

**Initial Impacts of the Ticket to Work
Program for Young New Social
Security Disability Awardees:
Estimates Based on Randomly
Assigned Mail Months**

Appendix G

July 30, 2013

David Stapleton
Arif Mamun
Jeremy Page



MATHEMATICA
Policy Research

This page has been left blank for double-sided copying.

Contract Number:
0600-03-60130

Mathematica Reference Number:
08977.963

Submitted to:
Social Security Administration
Office of Retirement and Disability Policy
500 E Street SW, 9th Floor
Washington, DC 20024
Project Officer: Paul O'Leary

Submitted by:
Mathematica Policy Research
1100 1st Street NE, 12th Floor
Washington, DC 20002-4221
Telephone: (202) 484-9220
Facsimile: (202) 863-1763
Project Director: Gina Livermore

**Initial Impacts of the Ticket to Work
Program for Young New Social
Security Disability Awardees:
Estimates Based on Randomly
Assigned Mail Months**

Appendix G

July 30, 2013

David Stapleton
Arif Mamun
Jeremy Page

This page has been left blank for double-sided copying.

CONTENTS

APPENDIX G SAS AND STATA PROGRAM AND OUTPUT FILES	1
A. Program Codes for the Impact Analysis	3
1. Program Codes to Prepare Clean Dataset for the TTW Impact Analysis	3
2. Program Codes to Prepare Variables for the TTW Impact Analysis	22
3. Program Codes to Select Analysis Sample for the TTW Impact Analysis	55
4. Program Codes for Linear Probability Models with Discrete IMM Indicators	56
5. Program Codes for Linear Probability Models with Continuous IMM Measure	62
6. Program Codes for Instrumental Variables Models with Discrete MM Indicators	67
7. Program Codes for Instrumental Variables Models with Continuous MM Measure	77
8. Projections for Total Impacts.....	82
B. Log Files for the Impact Analysis	89
1. Log File for Linear Probability Models with Discrete IMM Indicators (With and Without State Level Unemployment Measures).....	89
2. Log File for Linear Probability Models with Continuous IMM (With and Without State Level Unemployment Measures).....	481
3. Log File for Instrumental Variables Models with Discrete MM Indicators (With and Without State Level Unemployment Measures).....	986
4. Log File for Instrumental Variables Models with Continuous MM (With and Without State Level Unemployment Measures)	1676
5. Log File for Projections of Total Impacts	2144

This page has been left blank for double-sided copying.

APPENDIX G

SAS AND STATA PROGRAM AND OUTPUT FILES

This page has been left blank for double-sided copying.

A. Program Codes for the Impact Analysis

1. Program Codes to Prepare Clean Dataset for the TTW Impact Analysis

```
/*=====
project:      08977.963 TTW
program:      1_ImpextDataCleaning

purpose:      Prepare clean dataset for TTW analysis 8/22/12 revision
=====*/;
options nocenter ls=120 ps=50 mprint mlogic macrogen compress = binary obs=max;

%let   inpath = N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_for_production\Data\InputData\;
libname inpath 'N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_for_production\Data\InputData\';
libname outpath 'N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Data\OutputFolder\';
libname temp 'N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Data\OutputFolder\Temp\';
libname inpath2 'N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Data\PII\RawData\Delivery_8_29_12\';
libname inpath3 'N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Data\PII\RawData\Delivery_6_27_12\';

***data step to create variables;
data outpath.impactvars (keep = ssn awarddate awardst awardage awardage2 axbenawd0
                                benawd0 dobest cohort deceased dientdt dig1-dig12
                                doage dod dodmth dodday dodyr doi dpendawd0
                                eduardw enprov epestdt epestatus fipscode frstmltd
                                ldwstdt ldwstatus ldw24 ldw36 ldw48 male medawd0
                                medent0 medent1 medprtkml1 medtkml0 medtkml1 mieawd0
                                mieawd1 medcawd0 medcawd0v2 mieent0 mieent1
                                mietprtkml1 mietkml0
                                mietkml1 minmail modt: numldw48 nstw: phase pdc
                                pdcgroup provtype1
                                race rsadoe span: ssiawd12 ssibfrawd ssiatawd stawd0
                                stawd1 stent0 stent1 stprtkml1 sttktml0 sttktml1
                                suspect
                                svraprov tktassndt tktstatus twpstdt twpstatus vrprdi
                                vrprtkml
                                rd1_tktsltdt tsd: pial-pia3 ime1-ime3 );
    ***ticket select data;
merge inpath2.tktsltdt (where = (rd1_tktsltdt in ('12jan2002'd '26oct2002'd
'18oct2003'd))
                                keep = ssn rd1_tktsltdt pial-pia3 ime1-ime3
                                in=ticketselectdate)
    inpath.impext (keep = ssn awarddate awardst awardage awardage2 cohort ddol-
ddol12
                                dobest dod dodday dodmth dodyr dued: dueo: dues: dig1-
dig12
                                doi dpen: ebd: edx: entdat: medc: mede: medr: minmail
miex:
                                phase provtype1-provtype30 pst: race rsadoe: suspect sex
                                tktasgnddt: tktmailddt: twpdata: twpcmplmth:
                                rename =(awarddate=awarddate_char)
                                in=dicohortrawfile)
    inpath3.ldwstrng (keep = ssn ldwdi:);
```

```

    by ssn;
    if ticketselectdate and dicohortrawfile;

***deceased dummy variable;
if dod ne . then deceased = 1;
    else deceased = 0;
label deceased = '1 if deceased';

***format date variables;
format doi entdat: minmail tktasgnddt: tktmailddt: rd1_tktsltddt date. ;

***Change awarddate from yyyymm to a SAS date.
***The day will be the first day of the month.;
awarddate = mdy(substr(awarddate_char,5,2),1,substr(awarddate_char,1,4));
format awarddate date.;

***first ticket mail date;
frstmldt = .n;
if minmail ne . then frstmldt = minmail;
format frstmldt date.;
label frstmldt = 'first ticket mailing date';

***combined doi and entdatn variable;
***If doi is missing then the first occurrence of entdatn is used.;
dientdt = .n;
if doi ne . then dientdt = doi;
    else dientdt = min(of entdat1 - entdat12);
format dientdt date.;
label dientdt = 'doi and entdat: (doi populated first)';

***earliest ticket assignment date after award date;
tktassndt = .n;
array ticketassign (30) tktasgnddt1-tktasgnddt30;
do i = 1 to 30 until (tktassndt ne .n);
    if (tktassndt = .n and ticketassign(i) ne .) and
        ticketassign(i) >= awarddate then tktassndt = ticketassign(i);
end;

if tktassndt = .n and tktasgnddt30 = . then tktassndt = .;
format tktassndt date.;
label tktassndt = 'first occurrence of tktasgnddt: ';

***ticket assigned dummy;
if tktassndt ne . then tktstatus = 1;
    else tktstatus = 0;
label tktstatus = 'was a ticket ever assigned';

*~~~~~
| twp start date (first day of the month of the yymm in twpdata)
| The variable twpdatayymm only has information about the year and month
| the twp available. In order to create a SAS date a day of
| the month must be assigned. The award date for all beneficiaries has
| the first day of the month assigned so I am going to assign the second
| day of the month for twpstdt so the award date and the twp start date
| will not be the same SAS date.;
*~~~~~;
twpstdt = .n;
%macro twpstart(year);

```

```

%do i = 1 %to 12;
  %if &i < 10 %then %do;
    if (twpdata&year.0&i = "1" and twpstdt = .n) and
      mdy(&i.,1,&year.) >= awarddate then twpstdt = mdy(&i.,2,&year.);
  %end;
  %else %if &i >= 10 %then %do;
    if (twpdata&year.&i. = "1" and twpstdt = .n) and
      mdy(&i.,1,&year.) >= awarddate then twpstdt = mdy(&i.,2,&year.);
  %end;
%end;
%mend twpstart;
%twpstart(00);
%twpstart(01);
%twpstart(02);
%twpstart(03);
%twpstart(04);
%twpstart(05);
%twpstart(06);
%twpstart(07);
if twpstdt = .n then twpstdt = .;
format twpstdt date.;
label twpstdt = 'trial work period start date (2nd day of month)';

***dummy variable for twp;
if twpstdt ne . then twpstatus = 1;
  else twpstatus = 0;
label twpstatus = 'did a twp ever occur';

***The date of extended period of eligibility's start date is the month after
twpcmplmthn.;

***Recode twpcmplmthn that are greater than 2019 because they are a holdover
***from when the dates were coded as yyyyymm.;
array twp (4) twpcmplmth1-twpcmplmth4;
do i = 1 to 4;
  if year(twp(i)) > 2019
    then twp(i) = mdy(substr(twp(i),5,2),1,substr(twp(i),1,4));
end;

***Create temporary versions of twpcmplmthn that have the 2019 date fix applied
***and only contain twpcmplmth if the twpcmplmth is after the awarddate.;
if twpcmplmth1 >= awarddate and year(twpcmplmth1) < 2019 then temp1 =
twpcmplmth1;
if twpcmplmth2 >= awarddate and year(twpcmplmth2) < 2019 then temp2 =
twpcmplmth2;
if twpcmplmth3 >= awarddate and year(twpcmplmth3) < 2019 then temp3 =
twpcmplmth3;
if twpcmplmth4 >= awarddate and year(twpcmplmth4) < 2019 then temp4 =
twpcmplmth4;

tempfinal = min(of temp1-temp4);

***Date of extended period of eligibility start date(ebdn);
***The date is moved one month after the award date.;
epestdt = .n;
if min(of temp1 - temp4) ne .
  then epestdt = intnx('month',tempfinal,1);
drop temp;
format epestdt date.;
label epestdt = 'first occurrence of extended period of eligibility';

***extended period of eligibility dummy (ebdn);

```

```

if (epestdt ne . and epestdt ne .n) then epestatus = 1;
else epestatus = 0;
label epestatus = 'was there an occurrence of extended period of eligibility';

***ldw start date;
***The ldwstart date must be after the award date and LDWymm must be equal to 1 or
2.;
***In order to create a SAS date the first day of the month is used for ldwstdt.;
ldwstdt = .n;
%macro ldwstart(year);
%do i = 1 %to 12;
  %if &i. < 10 %then %do;
    if (ldwdi&year.0&i. = 1 or ldwdi&year.0&i. = 2) and ldwstdt = .n and
(mdy(&i.,1,&year.) > awarddate)
then ldwstdt = mdy(&i.,1,&year.);
  %end;
  %else %if &i. >= 10 %then %do;
    if (ldwdi&year.&i. = 1 or ldwdi&year.&i. = 2) and ldwstdt = .n and
(mdy(&i.,1,&year.) > awarddate)
then ldwstdt = mdy(&i.,1,&year.);
  %end;
%end;
%mend ldwstart;
%ldwstart(99);
%ldwstart(00);
%ldwstart(01);
%ldwstart(02);
%ldwstart(03);
%ldwstart(04);
%ldwstart(05);
%ldwstart(06);
%ldwstart(07);
if ldwstdt = .n then ldwstdt = .;
format ldwstdt date.;
label ldwstdt = 'ldw start date (1st day of month)';

***ldw dummy variable;
if ldwstdt ne . then ldwstatus = 1;
else ldwstatus = 0;
label ldwstatus = 'was there a ldw';

*~~~~~
| Medicare eligiblity at different reference dates such as award date, the month of
the first
| ticket mailing date, and month of DI entitlement.
~~~~~;
***medicare eligiblilty array;
array medrarray (1999:2007,1:12) medr9901 - medr9912
medr0001 - medr0012
medr0101 - medr0112
medr0201 - medr0212
medr0301 - medr0312
medr0401 - medr0412
medr0501 - medr0512
medr0601 - medr0612
medr0701 - medr0712;

***medicare eligiblity in month of awarddate;
medawd0=.n;
if (year(awarddate) ge 1999 and year(awarddate) le 2007) and (awarddate ne .) then
do;
  if medrarray(year(awarddate),month(awarddate)) = 1 then medawd0 = 1;

```

```

        else if medrarray(year(awarddate),month(awarddate)) = 0 then medawd0 = 0;
end;
label medawd0 = 'medicare eligiblity in month of awarddate';

***medicare eligiblity in month after awarddate;
after_awarddate = intnx('month',awarddate,1);
format after_awarddate date.;

medawd1 = .n;
if (year(after_awarddate) ge 1999 and year(after_awarddate) le 2007) and
(after_awarddate ne .) then do;
    if medrarray(year(after_awarddate),month(after_awarddate)) = 1 then medawd1 = 1;
    else if medrarray(year(after_awarddate),month(after_awarddate)) = 0 then
medawd1 = 0;
end;
label medawd1 = 'medicare eligiblity in month after awarddate';

***medicare eligiblity in month prior to first ticket mailing date;
before_frstmldt = intnx('month',frstmldt,-1);
format before_frstmldt date.;

medprtkml1 = .n;
if (year(before_frstmldt) ge 1999 and year(before_frstmldt) le 2007) and
(before_frstmldt ne .) then do;
    if medrarray(year(before_frstmldt),month(before_frstmldt)) = 1 then medprtkml1 =
1;
    else if medrarray(year(before_frstmldt),month(before_frstmldt)) = 0 then
medprtkml1 = 0;
end;
label medprtkml1 = 'medicare eligiblity in month prior to frstmldt';

***medicare eligiblity in month of first ticket mailing date;
medtkml0 = .n;
if (year(frstmldt) ge 1999 and year(frstmldt) le 2007) and (frstmldt ne .) then do;
    if medrarray(year(frstmldt),month(frstmldt)) = 1 then medtkml0 = 1;
    else if medrarray(year(frstmldt),month(frstmldt)) = 0 then medtkml0 = 0;
end;
label medtkml0 = 'medicare eligiblity in month of frstmldt';

***medicare eligiblity in month after first tickte mailing date;
after_frstmldt = intnx('month',frstmldt,1);
format after_frstmldt date.;

medtkml1 = .n;
if (year(after_frstmldt) ge 1999 and year(after_frstmldt) le 2007) and
(after_frstmldt ne .) then do;
    if medrarray(year(after_frstmldt),month(after_frstmldt)) = 1 then medtkml1 = 1;
    else if medrarray(year(after_frstmldt),month(after_frstmldt)) = 0 then medtkml1
= 0;
end;
label medtkml1 = 'medicare eligiblity in month after frstmldt';

***medicare eligiblity in month of entitlement, dientdt;
medent0 = .n;
if (year(dientdt) ge 1999 and year(dientdt) le 2007) and (dientdt ne .) then do;
    if medrarray(year(dientdt),month(dientdt)) = 1 then medent0 = 1;
    else if medrarray(year(dientdt),month(dientdt)) = 0 then medent0 = 0;
end;
label medent0 = 'medicare eligiblity in month of entitlement, dientdt';

```

```

***medicare eligiblity in month after of entitlement, dientdt;
after_dientdt = intnx('month',dientdt,1);
format after_dientdt date.;

medent1 = .n;
if (year(after_dientdt) ge 1999 and year(after_dientdt) le 2007) and (after_dientdt
ne .) then do;
    if medrarray(year(after_dientdt),month(after_dientdt)) = 1 then medent1 = 1;
    else if medrarray(year(after_dientdt),month(after_dientdt)) = 0 then medent1 =
0;
end;
label medent1 = 'medicare eligiblity in month after entitlement, dientdt';

*~~~~~
| Medicaid eligiblity at award date based on MEDEyymm
~~~~~;
***medicaid eligiblilty array;
array medearray (1999:2007,1:12) mede9901 - mede9912
                                mede0001 - mede0012
                                mede0101 - mede0112
                                mede0201 - mede0212
                                mede0301 - mede0312
                                mede0401 - mede0412
                                mede0501 - mede0512
                                mede0601 - mede0612
                                mede0701 - mede0712;

***medicaid eligiblity in month of awarddate;
medcawd0=.n;
if (year(awarddate) ge 1999 and year(awarddate) le 2007) and (awarddate ne .) then
do;
    if medearray(year(awarddate),month(awarddate)) = 1 then medcawd0 = 1;
    else if medearray(year(awarddate),month(awarddate)) = 0 then medcawd0 = 0;
end;
label medcawd0 = 'medicaid eligiblity in month of awarddate based on medeyymm';

*~~~~~
| Medicaid eligiblity at award date based on MEDCyymm
~~~~~;
***medicaid eligiblilty array;
array medcarray (1999:2007,1:12) medc9901 - medc9912
                                medc0001 - medc0012
                                medc0101 - medc0112
                                medc0201 - medc0212
                                medc0301 - medc0312
                                medc0401 - medc0412
                                medc0501 - medc0512
                                medc0601 - medc0612
                                medc0701 - medc0712;

***medicaid eligiblity in month of awarddate;
medcawd0v2=.n;
if (year(awarddate) ge 1999 and year(awarddate) le 2007) and (awarddate ne .) then
do;
    if medcarray(year(awarddate),month(awarddate)) in('C' 'Y') then medcawd0v2 = 1;
    else if medcarray(year(awarddate),month(awarddate)) notin('C' 'Y') then
medcawd0v2 = 0;
end;

```

```

label medcawd0v2 = 'medicaid eligiblity in month of awarddate based on medcyyymm=Y or
C';

*~~~~~
| Medical improvement at reference dates such as award date, the month of the first
| ticket mailing date, and month of DI entitlement.
~~~~~;
***medical improvement array;
array medimprarray (1999:2007,1:12) miex9901 - miex9912
                                miex0001 - miex0012
                                miex0101 - miex0112
                                miex0201 - miex0212
                                miex0301 - miex0312
                                miex0401 - miex0412
                                miex0501 - miex0512
                                miex0601 - miex0612
                                miex0701 - miex0712;

***medicare improvement in month of awarddate;
mieawd0 = ".n";
if (year(awarddate) ge 1999 and year(awarddate) le 2007) and (awarddate ne .) then
do;
    mieawd0 = medimprarray(year(awarddate),month(awarddate));
end;
label mieawd0 = 'medicare improvement in month of awarddate';

***medicare improvement in month after awarddate;
mieawd1 = ".n";
if (year(after_awarddate) ge 1999 and year(after_awarddate) le 2007) and
(after_awarddate ne .) then do;
    mieawd1 = medimprarray(year(after_awarddate),month(after_awarddate)) ;
end;
label mieawd1 = 'medicare improvement in month after awarddate';

***medicare improvement in month prior to first ticket mailing;
mieprtkml1 = ".n";
if (year(before_frstmldt) ge 1999 and year(before_frstmldt) le 2007) and
(before_frstmldt ne .) then do;
    mieprtkml1 = medimprarray(year(before_frstmldt),month(before_frstmldt));
end;
label mieprtkml1 = 'medicare improvement prior to first ticket mailing';

***medicare improvement at first ticket mailing;
mietkml0 = ".n";
if (year(frstmldt) ge 1999 and year(frstmldt) le 2007) and (frstmldt ne .) then do;
    mietkml0 = medimprarray(year(frstmldt),month(frstmldt));
end;
label mietkml0 = 'medicare improvement at first ticket mailing';

***medicare improvement in month after first ticket mailing;
mietkml1 = ".n";
if (year(after_frstmldt) ge 1999 and year(after_frstmldt) le 2007) and
(after_frstmldt ne .) then do;
    mietkml1 = medimprarray(year(after_frstmldt),month(after_frstmldt));
end;
label mietkml1 = 'medicare improvement in month after first ticket mailing';

***medicare improvement in month of entitlement, dientdt;
mieent0 = ".n";
if (year(dientdt) ge 1999 and year(dientdt) le 2007) and (dientdt ne .) then do;
    mieent0 = medimprarray(year(dientdt),month(dientdt));
end;
label mieent0 = 'medicare improvement in month of entitlement, dientdt';

```

```

***medicare improvement in month after entitlement, dientdt;
mieent1 = ".n";
if (year(after_dientdt) ge 1999 and year(after_dientdt) le 2007) and (after_dientdt
ne .) then do;
    mieent1 = medimprarray(year(after_dientdt),month(after_dientdt));
end;
label mieent1 = 'medicare improvement in month after entitlement, dientdt';

*~~~~~
| State of residence at different reference dates such as award date, the month of
the first
| ticket mailing date, and month of DI entitlement.
~~~~~;
***create pst array ;
array pst (*) pst9901 - pst9912
                pst0001 - pst0012
                pst0101 - pst0112
                pst0201 - pst0212
                pst0301 - pst0312
                pst0401 - pst0412
                pst0501 - pst0512
                pst0601 - pst0612
                pst0701 - pst0712;

***In order to correct missing values for pstyymm I am going to
***fill in pstyymm with the earliest populated value. If it is still
***missing then look forward to fill in the latest populated value.;
***Process pst array from 2nd member to last;
do i=2 to dim(pst);
    ***If pst for the current month is missing set to the
    pst from the previous month.;
    if pst(i)='' then pst(i)=pst(i-1);
end;
***Process pst array from the 1st member to the last.;
do j=1 to dim(pst)-1;
    ***If pst for the current month pst is missing set to the
    pst from the next month;
    if pst(j)='' then pst(j)=pst(j+1);
end;

***Populate pstyymm with the state at time of award;
***state of residence array;
array pstarray (1999:2007,1:12) pst9901 - pst9912
                                pst0001 - pst0012
                                pst0101 - pst0112
                                pst0201 - pst0212
                                pst0301 - pst0312
                                pst0401 - pst0412
                                pst0501 - pst0512
                                pst0601 - pst0612
                                pst0701 - pst0712;

***state of residence in month of awarddate;
stawd0 = ".n";
stawd0 = awardst;
***change stawd0 to TR if not on of the 50 states or DC or .n;
if stawd0 not in ("AL" "AK" "AZ" "AR" "CA" "CO" "CT" "DE" "DC" "FL" "GA"
                "HI" "ID" "IL" "IN" "IA" "KS" "KY" "LA" "ME" "MD" "MA"
                "MI" "MN" "MS" "MO" "MT" "NE" "NV" "NH" "NJ" "NM" "NY"
                "NC" "ND" "OH" "OK" "OR" "PA" "RI" "SC" "SD" "TN" "TX"
                "UT" "VT" "VA" "WA" "WV" "WI" "WY" ".n" "--" "") then stawd0 =
"TR";

```



```

if stawd0 = "--" then stawd0 = ".n";
if stawd0 = "" then stawd0 = ".n";
label stawd0 = 'state of residence in month of awarddate';

***state of residence in month after awarddate;
stawd1 = ".n";
if (year(after_awarddate) ge 1999 and year(after_awarddate) le 2007) and
(after_awarddate ne .) then do;
    stawd1 = pstarray(year(after_awarddate),month(after_awarddate)) ;
end;
label stawd1 = 'state of residence in month after awarddate';

***state of residence in month prior to first ticket mailing;
stprtkml1 = ".n";
if (year(before_frstmldt) ge 1999 and year(before_frstmldt) le 2007) and
(before_frstmldt ne .) then do;
    stprtkml1 = pstarray(year(before_frstmldt),month(before_frstmldt));
end;
label stprtkml1 = 'state of residence prior to first ticket mailing';

***state of residence at first ticket mailing;
sttktml0 = ".n";
if (year(frstmldt) ge 1999 and year(frstmldt) le 2007) and (frstmldt ne .) then do;
    sttktml0 = pstarray(year(frstmldt),month(frstmldt));
end;
label sttktml0 = 'state of residence at first ticket mailing';

***state of residence in month after first ticket mailing;
sttktml1 = ".n";
if (year(after_frstmldt) ge 1999 and year(after_frstmldt) le 2007) and
(after_frstmldt ne .) then do;
    sttktml1 = pstarray(year(after_frstmldt),month(after_frstmldt));
end;
label sttktml1 = 'state of residence in month after first ticket mailing';

***state of residence in month of entitlement, dientdt;
stent0 = ".n";
if (year(dientdt) ge 1999 and year(dientdt) le 2007) and (dientdt ne .) then do;
    stent0 = pstarray(year(dientdt),month(dientdt));
end;
label stent0 = 'state of residence in month of entitlement, dientdt';

***state of residence in month after entitlement, dientdt;
stent1 = ".n";
if (year(after_dientdt) ge 1999 and year(after_dientdt) le 2007) and (after_dientdt
ne .) then do;
    stent1 = pstarray(year(after_dientdt),month(after_dientdt));
end;
label stent1 = 'state of residence in month after entitlement, dientdt';

***create a merge variable for state unemployment;
***convert state abbreviation to fips code;
if stawd0 ne '.n' and stawd0 ne 'TR' then fipscode = stfips(stawd0);
label fipscode = 'fips code for awardst';

*~~~~~
| education level in month of awarddate
*~~~~~;
***Fill in edxyymm with the last populated value to fill in missing values;
***education level array;
array edx (*) edx9901 - edx9912
                edx0001 - edx0012
                edx0101 - edx0112

```

```

        edx0201 - edx0212
        edx0301 - edx0312
        edx0401 - edx0412
        edx0501 - edx0512
        edx0601 - edx0612
        edx0701 - edx0712;

***Process EDX array from 2nd member to last;
do i=2 to dim(edx);
    *** If EDX for the current month is missing set to the EDX from the previous
month;
    if edx(i)='' then edx(i)=edx(i-1);
end;

***two level education level array;
array edulvlarray (1999:2007,1:12)  edx9901 - edx9912
                                edx0001 - edx0012
                                edx0101 - edx0112
                                edx0201 - edx0212
                                edx0301 - edx0312
                                edx0401 - edx0412
                                edx0501 - edx0512
                                edx0601 - edx0612
                                edx0701 - edx0712;

***education level at award date;
edutemp = ".n";
if (year(awarddate) ge 1999 and year(awarddate) le 2007) and (awarddate ne .) then
do;
    edutemp = edulvlarray(year(awarddate),month(awarddate));
end;
***change edutemp from a character variable to a numeric variable;
eduawd = input(edutemp,6.);
label eduawd = 'education level in month of awarddate';

***gender dummy;
male = .n;
if sex = "M" then male = 1;
if sex = "F" then male = 0;

***earliest value of rsadoe1-rsadoe12;
rsadoe = .n;
if (min(of rsadoe1 - rsadoe12) ne .) then rsadoe = min(of rsadoe1 - rsadoe12);
format rsadoe date.;
label rsadoe = 'first occurrence of rsadoe: ';

***VR service eligibility prior to DI;
vrprdi = .n;
if (rsadoe <= awarddate) and (rsadoe ne .n and awarddate ne .) then vrprdi = 1;
if (rsadoe > awarddate) and (rsadoe ne .n and awarddate ne .) then vrprdi = 0;
label vrprdi = 'eligible for vr services prior to di';

***VR service eligibility prior to ticket mailing;
vrprtkml = .n;
if (rsadoe <= frstmldt) and (rsadoe ne .n and frstmldt ne .) then vrprtkml = 1;
if (rsadoe > frstmldt) and (rsadoe ne .n and frstmldt ne .) then vrprtkml = 0;
label vrprtkml = 'eligible for vr services prior to tkt mailing';

*~~~~~
| Count the number of months on ldw for 48 and 36 months starting at rollout date for
phase
~~~~~;
***ldwdi array;

```

```

%macro doit;
array di_array (*) %do year = 1999 %to 2007;
    %let yr=%substr(&year.,3,2);
    ldwdi&yr.01-ldwdi&yr.12
    %end;;
%mend doit;
%doit;

***stop month for array counting;
***generate a stop date that ends when beneficiary dies or dec 31 2007;
enddate= min(dod, '31dec2007'd);
stopmonth = intck('month','1jan1999'd,enddate)+1;

/* not needed because the LDW patch is already strung;

***string 3 into ldw variable to count continuous spells of ldw.;
***add 3 if missing value is after 1, 2, or 3;
do i = 2 to stopmonth;
    if di_array(i) = . and di_array(i-1) in (1,2,3) then di_array(i)=3;
end;
*/

***start month for array counting;
***dates are first rollout month for each phase;
if phase = 1 then frstmlstart = intck('month','1jan1999'd,'1feb2002'd)+1;
if phase = 2 then frstmlstart = intck('month','1jan1999'd,'1nov2002'd)+1;
if phase = 3 then frstmlstart = intck('month','1jan1999'd,'1nov2003'd)+1;

***generate date 48 months from roll out dates;
***frstmlstart is month 1;
frstmlstp = frstmlstart+47;

***generate number of months on ldw for 48 months;
numldw48=0;

if frstmlstart ~= . then
    do i= frstmlstart to frstmlstp;
        if di_array(i) in (1,2,3) then numldw48 = numldw48+1;
    end;

***generate number of months on nstw for 12,24,36, and 48 months;
***generate date 36 months from roll out dates;
***frstmlstart is month 1;
***nstw12;
frstmlstp12 = frstmlstart+11;
nstw12=0;

if frstmlstart ~= . then
    do i= frstmlstart to frstmlstp12;
        if di_array(i) in (1,2,3) then nstw12 = nstw12+1;
    end;

***nstw24;
frstmlstp24 = frstmlstart+23;
nstw24=0;

if frstmlstart ~= . then
    do i= frstmlstart to frstmlstp24;

```

```

    if di_array(i) in (1,2,3) then nstw24 = nstw24+1;
end;

***nstw36;
frstmlstp36 = frstmlstart+35;
nstw36=0;

if frstmlstart ~= . then
  do i= frstmlstart to frstmlstp36;
    if di_array(i) in (1,2,3) then nstw36 = nstw36+1;
  end;

***nstw48;
frstmlstp48 = frstmlstart+47;
nstw48=0;

if frstmlstart ~= . then
  do i= frstmlstart to frstmlstp48;
    if di_array(i) in (1,2,3) then nstw48 = nstw48+1;
  end;

***stop month for array counting when looking for LDWDI = 9 ;
*This should start counting in feb 2002 and stop in nov 2002;
if phase = 1 and stawd0 ~= "NY" then frstmlend = frstmlstart+7;
* This should start counting in feb 2002 and stop in oct2002 because phase 1 NY
people were mailed tickets in october 2002;
if phase = 1 and stawd0 = "NY" then frstmlend = frstmlstart+8;
* This should start counting in oct 2002 stop counting in september 2003 ;
if phase = 2 then frstmlend = frstmlstart+10;
* This should start counting in nov 2003 stop counting in september 2004 ;
if phase = 3 then frstmlend = frstmlstart+10;

***loop through months looking for LDWDI = 9;
terminated = 0;
if frstmlstart ~= . and frstmlend ~= . then
  do i= frstmlstart to frstmlend;
    if di_array(i) in (9) then terminated = 1;
  end;

label terminated = '=1 if ldwdi=9 during phase rollout period';

****drop array stop variables;
drop enddate stopmonth frstmlstart frstmlstp: frstmlend;

*~~~~~
| Number of dependents at award date and first mail date.
*~~~~~;
***number of dependents level array;
array dpenarray (1999:2007,1:12)  dpen9901 - dpen9912
                                dpen0001 - dpen0012
                                dpen0101 - dpen0112
                                dpen0201 - dpen0212
                                dpen0301 - dpen0312
                                dpen0401 - dpen0412
                                dpen0501 - dpen0512
                                dpen0601 - dpen0612
                                dpen0701 - dpen0712;

***number of dependents at awarddate;
dpendawd0 = .n;

```

```

if (year(awarddate) ge 1999 and year(awarddate) le 2007) and (awarddate ne .) then
do;
    dpendawd0 = dpenarray(year(awarddate),month(awarddate));
end;
label dpendawd0 = 'number of dependents in month of awarddate';

***number of dependents at first mail date;
dpendtkml0 = .n;
if (year(frstmldt) ge 1999 and year(frstmldt) le 2007) and (frstmldt ne .) then do;
    dpendtkml0 = dpenarray(year(frstmldt),month(frstmldt));
end;
label dpendtkml0 = 'number of dependents in month of frstmldt';

***age at disability onset;
***This variable is left with a decimal to show the number of months.;
doage = .n;
doage = (intck('month',dobbest,min(of ddol-ddo12))/12);
***change doage to zero if doage is one month before 0;
if (-1/12)<=doage<=0 then doage = 0;
***change doage to missing if doage is less than (-1/12);
if doage < (-1/12) then doage = 0;
***change doage to missing if doage is greater than 40;
if doage > 40 and doage ne . then doage = .;
label doage = 'age when disabled';

***first provider type was en;
enprov = .n;
if provtypel = "E" then enprov = 1;
else enprov = 0;
label enprov = 'first provider was EN';

***first provider type was SVRA;
svraprov = .n;
if provtypel = "V" then svraprov = 1;
else svraprov = 0;
label svraprov = 'first provider was SVRA';

***months spent off the rolls (ldw) 24, 36 and 48 months;
%macro number(num);
modt&num. = intnx('month',awarddate,&num.,'sameday'); *intnx advances dates;

format modt&num. date.;
label modt&num. = "Date &num. months after awarddate";
ldw&num. = .n;
if ldwstdt > modt&num. then ldw&num. = 0;
    else if ldwstdt < modt&num. and (ldwstdt ne . and modt&num. ne .)
        then ldw&num. = intck('month',ldwstdt,modt&num.); *intck counts intervals;

    else if ldwstdt = . then ldw&num. = .;
label ldw&num. = "cumulative months <= &num. spent off rolls due to ldw since di
award";
%mend number;

%number(24);
%number(36);
%number(48);

***number of months between award date and tkt assignment date;
span1 = .n;
if tktstatus = 1 then span1 = intck('month',awarddate,tktdat);
if tktstatus = 0 then span1 = .;

```

```

label span1 = 'num months between awarddate and tktassndt';

***number of months between award date and first twp;
span2 = .n;
if tktstatus = 1 then span2 = intck('month',awarddate,twpstdt);
if tktstatus = 0 then span2 = .;
label span2 = 'num months between awarddate and twpstdt';

***number of months between award date and epe;
span3 = .n;
if epestatus = 1 then span3 = intck('month',awarddate,epestdt);
if epestatus = 0 then span3 = .;
label span3 = 'num months between awarddate and epe';

***number of months between award date and ldw;
span4 = .n;
if ldwstatus = 1 then span4 = intck('month',awarddate,ldwstdt);
if ldwstatus = 0 then span4 = .;
label span4 = 'num months between awarddate and ldwstdt';

***primary disabling conditon group;
pdcgroup = .n;
if dig1 in(2960:2969, 3110:3119) then pdcgroup = 1;
else if dig1 in(2950:2959, 2980:2989, 3000:3019, 3080:3099,
                2900:2949, 2990:2999, 3030:3079, 3100:3109,
                3120:3129, 3138:3169, 3195,
                3170:3194, 3196:3199) then pdcgroup = 2;
else if dig1 in(7221:7249, 7100:7200, 7250:7399) then pdcgroup = 3;
else if dig1 in(0110:0119, 0450:0459, 0930:1359, 1380:1389,
                0070:0079, 0201:0449, 0540:0559, 0780:0789,
                1360:1369, 1400:2399, 2400:2479, 2500:2559,
                2630:2799, 2800:2899, 3610:3699, 3780:3789,
                3890:3899, 7840:7849, 3200:3419, 3430:3599,
                3860:3889, 3420:3429, 3750:3759, 3900:4599,
                4600:4869, 4910:5199, 7690:7699, 5200:5799,
                5800:6299, 6900:7099, 7400:7599, 8000:9599,
                0000:0069, 0680:0689, 2480:2499, 2580:2589,
                4880:4889, 6300:6889, 7600:7689, 7740:7839,
                7850:7959, 9840:9849, 3130) then pdcgroup = 4;
else pdcgroup = 5;
label pdcgroup = 'primary disabling condition group';

***primary disability group;
pdc = .n;
if dig1 in (2960:2969, 3110:3119) then pdc = 1;
else if dig1 in (2950:2959, 2980:2989) then pdc = 2;
else if dig1 in (3000:3019, 3080:3099) then pdc = 3;
else if dig1 in (2900:2949, 2990:2999,
                3030:3079, 3100:3109,
                3120:3129, 3138:3169,
                3195) then pdc = 4;
else if dig1 in (3170:3194, 3196:3199) then pdc = 5;
else if dig1 in (7221:7249) then pdc = 6;
else if dig1 in (7100:7200, 7250:7399) then pdc = 7;
else if dig1 in (0110:0119, 0450:0459,
                0930:1359, 1380:1389) then pdc = 8;
else if dig1 in (0070:0079, 0201:0449,
                0540:0559, 0780:0789,
                1360:1369) then pdc = 9;

```

```

else if dig1 in (1400:2399)           then pdc = 10;
else if dig1 in (2400:2479, 2500:2559,
                2630:2799)           then pdc = 11;
else if dig1 in (2800:2899)           then pdc = 12;
else if dig1 in (3610:3699, 3780:3789) then pdc = 13;
else if dig1 in (3890:3899)           then pdc = 14;
else if dig1 in (7840:7849)           then pdc = 15;
else if dig1 in (3200:3419, 3430:3599,
                3860:3889)           then pdc = 16;
else if dig1 in (3420:3429, 3750:3759,
                3900:4599)           then pdc = 17;
else if dig1 in (4600:4869, 4910:5199,
                7690:7699)           then pdc = 18;
else if dig1 in (5200:5799)           then pdc = 19;
else if dig1 in (5800:6299)           then pdc = 20;
else if dig1 in (6900:7099)           then pdc = 21;
else if dig1 in (7400:7599)           then pdc = 22;
else if dig1 in (8000:9599)           then pdc = 23;
else if dig1 in (0000:0069, 0680:0689,
                2480:2499, 2580:2589,
                4880:4889, 6300:6889,
                7600:7689, 7740:7839,
                7850:7959, 9840:9849,
                3130)                 then pdc = 24;
else pdc = 25;

***SSDI benefit award amount;
***SSDI benefits level array;
array duedarray (1999:2007,1:12)    dued9901 - dued9912
                                        dued0001 - dued0012
                                        dued0101 - dued0112
                                        dued0201 - dued0212
                                        dued0301 - dued0312
                                        dued0401 - dued0412
                                        dued0501 - dued0512
                                        dued0601 - dued0612
                                        dued0701 - dued0712;

***benefit amount at awarddate;
benawd0 = .n;
if (year(awarddate) ge 1999 and year(awarddate) le 2007) and (awarddate ne .) then
do;
    benawd0 = duedarray(year(awarddate),month(awarddate));
end;
label benawd0 = 'SSDI benefit amount at award month';

***Create a variable to indicate if the beneficiary was on SSI during the year
***before their DI award date.
*SSDI benefits level array;
array duesarray (1999:2007,1:12)    dues9901 - dues9912
                                        dues0001 - dues0012
                                        dues0101 - dues0112
                                        dues0201 - dues0212
                                        dues0301 - dues0312
                                        dues0401 - dues0412
                                        dues0501 - dues0512
                                        dues0601 - dues0612
                                        dues0701 - dues0712;

array pstaarray (1999:2007,1:12)    psta9901 - psta9912
                                        psta0001 - psta0012
                                        psta0101 - psta0112

```

```

                                psta0201 - psta0212
                                psta0301 - psta0312
                                psta0401 - psta0412
                                psta0501 - psta0512
                                psta0601 - psta0612
                                psta0701 - psta0712;

ssiawdl2 = .n;
if '01jan2000'd<=awarddate<='31dec2007'd then do
    i=intnx('month',awarddate,-12) to awarddate until(ssiawdl2 ne .n);
if (pstaarray(year(i),month(i)) in ('C01','M01','M02')) and
(duesarray(year(i),month(i))>0) then
    ssiawdl2=1;
end;
if ssiawdl2 = .n then ssiawdl2 = 0;

label ssiawdl2 = 'ssi status of the bene for 12 months before di award';

***ssi before DI award date;
ssibfrawd = .n;
if '01jan1999'd<=awarddate<='31dec2007'd then do
    i='01jan1999'd to intnx('month',awarddate,-1) until(ssibfrawd ne .n);
if (pstaarray(year(i),month(i)) in ('C01','M01','M02')) and
(duesarray(year(i),month(i))>0) then
    ssibfrawd=1;
end;
if ssibfrawd = .n then ssibfrawd = 0;
label ssibfrawd = 'ssi before awarddate';

***ssi on award date;
ssiatawd = .n;
if (year(awarddate) ge 1999 and year(awarddate) le 2007) then do ;
    if (pstaarray(year(awarddate),month(awarddate)) in ('C01','M01','M02'))
    and (duesarray(year(awarddate),month(awarddate))>0) then ssiatawd=1;
    else ssiatawd = 0;
end;
label ssiatawd = 'ssi on awarddate';

*SSDI dependent benefit level array;
array dueoarray (1999:2007,1:12) dueo9901 - dueo9912
                                dueo0001 - dueo0012
                                dueo0101 - dueo0112
                                dueo0201 - dueo0212
                                dueo0301 - dueo0312
                                dueo0401 - dueo0412
                                dueo0501 - dueo0512
                                dueo0601 - dueo0612
                                dueo0701 - dueo0712;

*ssdi dependent benefit due at awarddate;
axbenawd0 = .n;
if (year(awarddate) ge 1999 and year(awarddate) le 2007) and (awarddate ne .) then
do;
    axbenawd0 = dueoarray(year(awarddate),month(awarddate));
end;
label axbenawd0 = 'SSDI dependent benefit due amount at award month';

*~~~~~
*Variable creation based on ticket selection date
*~~~~~;

```



```

***age at ticket selection date;
***This variable is left with a decimal to show the number of months.;
tsd_age = .n;
tsd_age = (intck('month',dobbest,rd1_tktsltdt)-
(day(rd1_tktsltdt)<day(dobbest)))/12;

***education at ticket selection date;
***two level education level array;

*array edulvarray (1999:2007,1:12)  edx9901 - edx9912
                                edx0001 - edx0012
                                edx0101 - edx0112
                                edx0201 - edx0212
                                edx0301 - edx0312
                                edx0401 - edx0412
                                edx0501 - edx0512
                                edx0601 - edx0612
                                edx0701 - edx0712;

***education level at icket selection date;
tsd_edutemp = ".n";
if (year(rd1_tktsltdt) ge 1999 and year(rd1_tktsltdt) le 2007) and (rd1_tktsltdt
ne .) then do;
    tsd_edutemp = edulvarray(year(rd1_tktsltdt),month(rd1_tktsltdt));
end;
***change tsd_edutemp from a character variable to a numeric variable;
tsd_edu = input(edutemp,6.);
label tsd_edu = 'education level in ticket selection month';

drop tsd_edutemp;

*~~~~~
| Medical improvement at ticket selection date.
~~~~~;
***medical improvement array;
*array medimprarray (1999:2007,1:12) miex9901 - miex9912
                                miex0001 - miex0012
                                miex0101 - miex0112
                                miex0201 - miex0212
                                miex0301 - miex0312
                                miex0401 - miex0412
                                miex0501 - miex0512
                                miex0601 - miex0612
                                miex0701 - miex0712;

***medicare improvement in month of ticket selection date;
tsd_mie = ".n";
if (year(rd1_tktsltdt) ge 1999 and year(rd1_tktsltdt) le 2007) and (rd1_tktsltdt
ne .) then do;
    tsd_mie = medimprarray(year(rd1_tktsltdt),month(rd1_tktsltdt));
end;
label tsd_mie = 'medical improvement at ticket selection date';

*~~~~~
| Medicare eligiblity at ticket selection date
~~~~~;
***medicare eligiblilty array;
*array medrarray (1999:2007,1:12) medr9901 - medr9912
                                medr0001 - medr0012
                                medr0101 - medr0112
                                medr0201 - medr0212
                                medr0301 - medr0312

```

```

medr0401 - medr0412
medr0501 - medr0512
medr0601 - medr0612
medr0701 - medr0712;

***medicare eligiblity at ticket selection date;
tsd_medicare=.n;
if (year(rd1_tktsltddt) ge 1999 and year(rd1_tktsltddt) le 2007) and (rd1_tktsltddt
ne .) then do;
    if medrarray(year(rd1_tktsltddt),month(rd1_tktsltddt)) = 1 then tsd_medicare = 1;
    else if medrarray(year(rd1_tktsltddt),month(rd1_tktsltddt)) = 0 then
tsd_medicare = 0;
end;
label tsd_medicare = 'medicare eligiblity at ticket selection date';

*~~~~~
| Number of dependents at ticket selection date
*~~~~~;
***number of dependents level array;
*array dpenarray (1999:2007,1:12)    dpen9901 - dpen9912
                                     dpen0001 - dpen0012
                                     dpen0101 - dpen0112
                                     dpen0201 - dpen0212
                                     dpen0301 - dpen0312
                                     dpen0401 - dpen0412
                                     dpen0501 - dpen0512
                                     dpen0601 - dpen0612
                                     dpen0701 - dpen0712;

***number of dependents ticket selection date;
tsd_depend = .n;
if (year(rd1_tktsltddt) ge 1999 and year(rd1_tktsltddt) le 2007) and (rd1_tktsltddt
ne .) then do;
    tsd_depend = dpenarray(year(rd1_tktsltddt),month(rd1_tktsltddt));
end;
label tsd_depend = 'number of dependents at ticket selection date';

***SSDI benefit ticket selection date;
***SSDI benefits level array;
*array duedarray (1999:2007,1:12)    dued9901 - dued9912
                                     dued0001 - dued0012
                                     dued0101 - dued0112
                                     dued0201 - dued0212
                                     dued0301 - dued0312
                                     dued0401 - dued0412
                                     dued0501 - dued0512
                                     dued0601 - dued0612
                                     dued0701 - dued0712;

***benefit amount at ticket selection date;
tsd_ben = .n;
if (year(rd1_tktsltddt) ge 1999 and year(rd1_tktsltddt) le 2007) and (rd1_tktsltddt
ne .) then do;
    tsd_ben = duedarray(year(rd1_tktsltddt),month(rd1_tktsltddt));
end;
label tsd_ben = 'SSDI benefit amount at ticket selection';

***Populate pstyymm with the state at time of award;
***state of residence array;
*array pstarray (1999:2007,1:12)    pst9901 - pst9912
                                     pst0001 - pst0012

```

```

                                pst0101 - pst0112
                                pst0201 - pst0212
                                pst0301 - pst0312
                                pst0401 - pst0412
                                pst0501 - pst0512
                                pst0601 - pst0612
                                pst0701 - pst0712;

***state of residence in month of ticket selection;
tsd_state = ".n";
tsd_state = pstarray(year(rd1_tktsltdt),month(rd1_tktsltdt)) ;
label tsd_state = 'state of residence at ticket selection';

***missing state of residence in month of ticket selection;
if tsd_state = "" or tsd_state = ".n" then tsd_statemiss = 1;
   else tsd_statemiss = 0;

***Only have state information starting at 1999 so if the
***state information is from before then the state will be missing.
***Fill in missing state values with state at award;
if tsd_state = "" or tsd_state = ".n" or tsd_state = "--" then tsd_state = awardst;

***change tsd_state to TR if not on of the 50 states or DC or .n;
if tsd_state not in ("AL" "AK" "AZ" "AR" "CA" "CO" "CT" "DE" "DC" "FL" "GA"
                    "HI" "ID" "IL" "IN" "IA" "KS" "KY" "LA" "ME" "MD" "MA"
                    "MI" "MN" "MS" "MO" "MT" "NE" "NV" "NH" "NJ" "NM" "NY"
                    "NC" "ND" "OH" "OK" "OR" "PA" "RI" "SC" "SD" "TN" "TX"
                    "UT" "VT" "VA" "WA" "WV" "WI" "WY" ".n" "--" "" "PR") then

tsd_state = "TR";
if tsd_state = "--" then tsd_state = "";

***VR service eligibility prior to ticket selection;
tsd_vrpr = .n;
if (rsadoe <= rd1_tktsltdt) and (rsadoe ne .n) then tsd_vrpr = 1;
if (rsadoe > rd1_tktsltdt) and (rsadoe ne .n) then tsd_vrpr = 0;
label tsd_vrpr = 'eligible for vr services prior to tkt selection';

run;

proc freq data = outpath.impactvars;
table tsd_statemiss/list missing;
table tsd_state*tsd_statemiss/list missing;
run;

```

2. Program Codes to Prepare Variables for the TTW Impact Analysis

```
capture log close
clear all
cd "N:\Secure_Data-DC1\08977_TTW\Impact_Analysis"
log using ".\Production\Analysis_8_22_12\Data\2_LPMData.txt", text replace

/*=====

project:      08977 TTW Impact Analysis
program:      2_LPMData.do
purpose:      Create a dataset to be used with LPM
               Incorporates the ticket on demand variable
input file:   impactvars.dta
output files: LMPData.dta
created by:   Jeremy Page, mpr
modified:     6/19/2012 Jeremy Page- 1. Add October 2002 sample for NY
                                   2. Add dummy variable -died- to indicate a
beneficiary
                                   died during their phase rollout period.
                                   8/22/2010 Jeremy Page- 1. Add intended mail months
                                   2. Update dummy variables for dependents.
=====*/

***local for input path
local pathname "N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12"
local input    "`pathname'\Data\OutputFolder\impactvarstemp"
local outpath  "`pathname'\Data\OutputFolder\LPMData"
local monthly  "`pathname'\Data\InputData\MonthlySeasonallyAdjustedUnemployment.csv"

***insheet monthly unemployment rates
insheet using "`monthly'",clear

***input data
usesas using `input',clear

***generate dummy variable to indicate that a beneficiary died during their phase
rollout period.\
***phase1 NY
gen died = 1 if stawd0 == "NY"      ///
           & phase == 1             ///
           & dod > td(1feb2002)    ///
           & dod < td(1nov2002)

***phase 1
replace died = 1 if phase == 1      ///
              & dod > td(1feb2002)  ///
              & dod <= td(30nov2002)

***phase 2
replace died = 1 if phase == 2      ///
              & dod > td(1nov2002)  ///
              & dod <= td(30nov2003)

***phase 3
replace died = 1 if phase == 3      ///
              & dod > td(1nov2003)  ///
              & dod <= td(30nov2004)
```

```

***recode analytic variables

***change doage into an integer
gen doage2 = floor(doage)

***race (for DI beneficiaries, race does not include ethnicity)
***asian
gen race_a = (race == "A")
***black
gen race_b = (race == "B")
***hispanic
gen race_h = (race == "H")
***native american indian, alaskan native
gen race_i = (race == "I")
***white
gen race_w = (race == "W")
***other
gen race_o = (race == "O")
***unknown or missing
gen race_mis = (race == "U" | race == "")

tablist race race_a race_b race_h race_i race_w race_o race_mis,sort(v)

***eduaward
***less than 12 years of education
gen tsd_edu_lshs = (tsd_edu < 12)
***12 years of education
gen tsd_edu_hs = (tsd_edu == 12)
***more than 12 years of education
gen tsd_edu_mrhs = (tsd_edu > 12 & tsd_edu != .)
***education missing
gen tsd_edu_mis = (tsd_edu == 99 | tsd_edu == .)

tablist tsd_edu tsd_edu_lshs tsd_edu_hs tsd_edu_mrhs tsd_edu_mis, sort(v)

***meiawd0
***medical improvement expected
gen tsd_mie_exp = (tsd_mie=="E")
***medical improvement possible
gen tsd_mie_psbl = (tsd_mie=="P")
***medical improvement not expected
gen tsd_mie_ne = (tsd_mie=="N")
***mieawd0 missing
gen tsd_mie_mis = (tsd_mie=="0" | tsd_mie=="")

tablist tsd_mie tsd_mie_exp tsd_mie_psbl tsd_mie_ne tsd_mie_mis, sort(v)

***medawd0
***eligible for medicare
gen medawd02 = (medawd0 == 1)
***medawd0 missing
gen medawd0mis = (medawd0 == .n)

tablist medawd0 medawd02 medawd0mis, sort(v)

***medcawd0
***eligible for medicaid
gen medcawd02 = (medcawd0 == 1)
***medcawd0 missing
gen medcawd0mis = (medcawd0 == .n)

```

```

tablist medcawd0 medcawd02 medcawd0mis, sort(v)

***dependawd0, number of dependents at DI Award
***no dependents
gen dpendawd0nil = (dpendawd0 ==0 )
label var dpendawd0nil "number of dependents at DI award = 0"
***1 dependent
gen dpendawd0_1 = (dpendawd0 ==1)
label var dpendawd0_1 "number of dependents at DI award = 1"
***2 dependent
gen dpendawd0_2 = (dpendawd0 >=2 & !mi(dpendawd0))
label var dpendawd0_2 "number of dependents at DI award = 2 or more"
***missing values
gen dpendawd0mis = (dpendawd0==.)

tablist dpendawd0 dpendawd0nil dpendawd0_1 dpendawd0_2 dpendawd0mis,sort(v)

***dependawd0, number of dependents at DI Award
***no dependents
gen tsd_depend_nil = (tsd_depend ==0 )
label var dpendawd0nil "number of dependents at tkt selection = 0"
***1 dependent
gen tsd_depend_1 = (tsd_depend ==1)
label var dpendawd0_1 "number of dependents at tkt selection = 1"
***2 dependent
gen tsd_depend_2 = (tsd_depend >=2 & !mi(tsd_depend))
label var dpendawd0_2 "number of dependents at tkt selection = 2 or more"
***missing values
gen tsd_depend_miss = (tsd_depend==.)

tablist tsd_depend tsd_depend_nil tsd_depend_1 tsd_depend_2 tsd_depend_miss,sort(v)

***generate ticket mailing month indicators by calendar month
gen byte jan02 = cond(frstmldt >= td(01jan2002) & frstmldt <= td(31jan2002), 1, 0)
gen byte feb02 = cond(frstmldt >= td(01feb2002) & frstmldt <= td(28feb2002), 1, 0)
gen byte mar02 = cond(frstmldt >= td(01mar2002) & frstmldt <= td(31mar2002), 1, 0)
gen byte apr02 = cond(frstmldt >= td(01apr2002) & frstmldt <= td(30apr2002), 1, 0)
gen byte may02 = cond(frstmldt >= td(01may2002) & frstmldt <= td(31may2002), 1, 0)
gen byte jun02 = cond(frstmldt >= td(01jun2002) & frstmldt <= td(30jun2002), 1, 0)
gen byte jul02 = cond(frstmldt >= td(01jul2002) & frstmldt <= td(31jul2002), 1, 0)
gen byte aug02 = cond(frstmldt >= td(01aug2002) & frstmldt <= td(31aug2002), 1, 0)
gen byte sep02 = cond(frstmldt >= td(01sep2002) & frstmldt <= td(30sep2002), 1, 0)
gen byte oct02 = cond(frstmldt >= td(01oct2002) & frstmldt <= td(31oct2002), 1, 0)
gen byte nov02 = cond(frstmldt >= td(01nov2002) & frstmldt <= td(30nov2002), 1, 0)
gen byte dec02 = cond(frstmldt >= td(01dec2002) & frstmldt <= td(31dec2002), 1, 0)

gen byte jan03 = cond(frstmldt >= td(01jan2003) & frstmldt <= td(31jan2003), 1, 0)
gen byte feb03 = cond(frstmldt >= td(01feb2003) & frstmldt <= td(28feb2003), 1, 0)
gen byte mar03 = cond(frstmldt >= td(01mar2003) & frstmldt <= td(31mar2003), 1, 0)
gen byte apr03 = cond(frstmldt >= td(01apr2003) & frstmldt <= td(30apr2003), 1, 0)
gen byte may03 = cond(frstmldt >= td(01may2003) & frstmldt <= td(31may2003), 1, 0)
gen byte jun03 = cond(frstmldt >= td(01jun2003) & frstmldt <= td(30jun2003), 1, 0)
gen byte jul03 = cond(frstmldt >= td(01jul2003) & frstmldt <= td(31jul2003), 1, 0)
gen byte aug03 = cond(frstmldt >= td(01aug2003) & frstmldt <= td(31aug2003), 1, 0)
gen byte sep03 = cond(frstmldt >= td(01sep2003) & frstmldt <= td(30sep2003), 1, 0)
gen byte oct03 = cond(frstmldt >= td(01oct2003) & frstmldt <= td(31oct2003), 1, 0)
gen byte nov03 = cond(frstmldt >= td(01nov2003) & frstmldt <= td(30nov2003), 1, 0)
gen byte dec03 = cond(frstmldt >= td(01dec2003) & frstmldt <= td(31dec2003), 1, 0)

```

```

gen byte jan04 = cond(frstmldt >= td(01jan2004) & frstmldt <= td(31jan2004), 1, 0)
gen byte feb04 = cond(frstmldt >= td(01feb2004) & frstmldt <= td(29feb2004), 1, 0)
gen byte mar04 = cond(frstmldt >= td(01mar2004) & frstmldt <= td(31mar2004), 1, 0)
gen byte apr04 = cond(frstmldt >= td(01apr2004) & frstmldt <= td(30apr2004), 1, 0)
gen byte may04 = cond(frstmldt >= td(01may2004) & frstmldt <= td(31may2004), 1, 0)
gen byte jun04 = cond(frstmldt >= td(01jun2004) & frstmldt <= td(30jun2004), 1, 0)
gen byte jul04 = cond(frstmldt >= td(01jul2004) & frstmldt <= td(31jul2004), 1, 0)
gen byte aug04 = cond(frstmldt >= td(01aug2004) & frstmldt <= td(31aug2004), 1, 0)
gen byte sep04 = cond(frstmldt >= td(01sep2004) & frstmldt <= td(30sep2004), 1, 0)
gen byte oct04 = cond(frstmldt >= td(01oct2004) & frstmldt <= td(31oct2004), 1, 0)
gen byte nov04 = cond(frstmldt >= td(01nov2004) & frstmldt <= td(30nov2004), 1, 0)
gen byte dec04 = cond(frstmldt >= td(01dec2004) & frstmldt <= td(31dec2004), 1, 0)

```

```

gen byte jan05 = cond(frstmldt >= td(01jan2005) & frstmldt <= td(31jan2005), 1, 0)
gen byte feb05 = cond(frstmldt >= td(01feb2005) & frstmldt <= td(28feb2005), 1, 0)
gen byte mar05 = cond(frstmldt >= td(01mar2005) & frstmldt <= td(31mar2005), 1, 0)
gen byte apr05 = cond(frstmldt >= td(01apr2005) & frstmldt <= td(30apr2005), 1, 0)
gen byte may05 = cond(frstmldt >= td(01may2005) & frstmldt <= td(31may2005), 1, 0)
gen byte jun05 = cond(frstmldt >= td(01jun2005) & frstmldt <= td(30jun2005), 1, 0)
gen byte jul05 = cond(frstmldt >= td(01jul2005) & frstmldt <= td(31jul2005), 1, 0)
gen byte aug05 = cond(frstmldt >= td(01aug2005) & frstmldt <= td(31aug2005), 1, 0)
gen byte sep05 = cond(frstmldt >= td(01sep2005) & frstmldt <= td(30sep2005), 1, 0)
gen byte oct05 = cond(frstmldt >= td(01oct2005) & frstmldt <= td(31oct2005), 1, 0)
gen byte nov05 = cond(frstmldt >= td(01nov2005) & frstmldt <= td(30nov2005), 1, 0)
gen byte dec05 = cond(frstmldt >= td(01dec2005) & frstmldt <= td(31dec2005), 1, 0)

```

```

gen byte jan06 = cond(frstmldt >= td(01jan2006) & frstmldt <= td(31jan2006), 1, 0)
gen byte feb06 = cond(frstmldt >= td(01feb2006) & frstmldt <= td(28feb2006), 1, 0)
gen byte mar06 = cond(frstmldt >= td(01mar2006) & frstmldt <= td(31mar2006), 1, 0)
gen byte apr06 = cond(frstmldt >= td(01apr2006) & frstmldt <= td(30apr2006), 1, 0)
gen byte may06 = cond(frstmldt >= td(01may2006) & frstmldt <= td(31may2006), 1, 0)
gen byte jun06 = cond(frstmldt >= td(01jun2006) & frstmldt <= td(30jun2006), 1, 0)
gen byte jul06 = cond(frstmldt >= td(01jul2006) & frstmldt <= td(31jul2006), 1, 0)
gen byte aug06 = cond(frstmldt >= td(01aug2006) & frstmldt <= td(31aug2006), 1, 0)
gen byte sep06 = cond(frstmldt >= td(01sep2006) & frstmldt <= td(30sep2006), 1, 0)
gen byte oct06 = cond(frstmldt >= td(01oct2006) & frstmldt <= td(31oct2006), 1, 0)
gen byte nov06 = cond(frstmldt >= td(01nov2006) & frstmldt <= td(30nov2006), 1, 0)
gen byte dec06 = cond(frstmldt >= td(01dec2006) & frstmldt <= td(31dec2006), 1, 0)

```

***generate ticket mailing yearly indicators

```

gen tkyr02 = 0
replace tkyr02 = 1 if (jan02==1| feb02==1| mar02==1| apr02==1| may02==1| jun02==1|
///
                        jul02==1| aug02==1| sep02==1| oct02==1| nov02==1| dec02==1)

```

```

gen tkyr03 = 0
replace tkyr03 = 1 if (jan03==1| feb03==1| mar03==1| apr03==1| may03==1| jun03==1|
///
                        jul03==1| aug03==1| sep03==1| oct03==1| nov03==1| dec03==1)

```

```

gen tkyr04 = 0
replace tkyr04 = 1 if (jan04==1| feb04==1| mar04==1| apr04==1| may04==1| jun04==1|
///
                        jul04==1| aug04==1| sep04==1| oct04==1| nov04==1| dec04==1)

```

```

gen tkyr05 = 0
replace tkyr05 = 1 if (jan05==1| feb05==1| mar05==1| apr05==1| may05==1| jun05==1|
///
                        jul05==1| aug05==1| sep05==1| oct05==1| nov05==1| dec05==1)

```

```

gen tkyr06 = 0
replace tkyr06 = 1 if (jan06==1| feb06==1| mar06==1| apr06==1| may06==1| jun06==1|
///

```

```

                                jul06==1| aug06==1| sep06==1| oct06==1| nov06==1| dec06==1)

tablist tkyr02 tkyr03 tkyr04 tkyr05 tkyr06,sort(v)

***phase and ticket year interactions

gen treat0 =0
replace treat0 = 1 if (phase == 1) & (tkyr02 == 1)
replace treat0 = 1 if (phase == 2) & (tkyr03 == 1)
replace treat0 = 1 if (phase == 3) & (tkyr04 == 1)
tablist treat0 phase tkyr02-tkyr04,sort(v)

gen treat1 =0
replace treat1 = 1 if (phase == 1) & (tkyr03 == 1)
replace treat1 = 1 if (phase == 2) & (tkyr04 == 1)
replace treat1 = 1 if (phase == 3) & (tkyr05 == 1)
tablist treat1 phase tkyr03-tkyr05,sort(v)

gen treat2 =0
replace treat2 = 1 if (phase == 1) & (tkyr04 == 1)
replace treat2 = 1 if (phase == 2) & (tkyr05 == 1)
replace treat2 = 1 if (phase == 3) & (tkyr06 == 1)
tablist treat2 phase tkyr04-tkyr06,sort(v)

*****
*Sequence of events
*****

*** Check the timing of TWP relative to EPE
gen twpb4epe = .n
replace twpb4epe = 1 if (twpstdt<epestdt & twpstdt~=. & epestdt~=.n)
replace twpb4epe = 2 if (twpstdt>epestdt & twpstdt~=. & epestdt~=.n)
replace twpb4epe = 3 if (twpstdt==epestdt & twpstdt~=. & epestdt~=.n)
replace twpb4epe = 4 if (twpstdt==. & epestdt==.n)
replace twpb4epe = 5 if ((twpstdt==. | epestdt==.n) & twpb4epe==.n)
tab twpb4epe, mis

** Check the timing of TWP relative to LDW
gen twpb4ldw = .n
replace twpb4ldw = 1 if (twpstdt<ldwstdt & twpstdt~=. & ldwstdt~=.n)
replace twpb4ldw = 2 if (twpstdt>ldwstdt & twpstdt~=. & ldwstdt~=.n)
replace twpb4ldw = 3 if (twpstdt==ldwstdt & twpstdt~=. & ldwstdt~=.n)
replace twpb4ldw = 4 if (twpstdt==. & ldwstdt==.n)
replace twpb4ldw = 5 if ((twpstdt==. | ldwstdt==.n) & twpb4ldw==.n)
tab twpb4ldw, mis

** Check the timing of EPE relative to LDW
gen epeb4ldw = .n
replace epeb4ldw = 1 if (epestdt<ldwstdt & epestdt~=.n & ldwstdt~=.n)
replace epeb4ldw = 2 if (epestdt>ldwstdt & epestdt~=.n & ldwstdt~=.n)
replace epeb4ldw = 3 if (epestdt==ldwstdt & epestdt~=.n & ldwstdt~=.n)
replace epeb4ldw = 4 if (epestdt==.n & ldwstdt==.n)
replace epeb4ldw = 5 if ((epestdt==.n | ldwstdt==.n) & epeb4ldw==.n)
tab epeb4ldw, mis

** Check the timing of TWP relative to First Ticket Mailing Date
gen twpb4tkml = .n
replace twpb4tkml = 1 if (twpstdt<frstmltdt & twpstdt~=. & frstmltdt~=.n)
replace twpb4tkml = 2 if (twpstdt>frstmltdt & twpstdt~=. & frstmltdt~=.n)
replace twpb4tkml = 3 if (twpstdt==frstmltdt & twpstdt~=. & frstmltdt~=.n)
replace twpb4tkml = 4 if (twpstdt==. & frstmltdt==.n)

```



```

replace twpb4tkml = 5 if ((twpstdt==. | frstmldt==.n) & twpb4tkml ==.n)
tab twpb4tkml, mis

** Check the timing of EPE relative to First Ticket Mailing Date
gen epeb4tkml = .n
replace epeb4tkml = 1 if (epestdt<frstmldt & epestdt~=.n & frstmldt~=.n)
replace epeb4tkml = 2 if (epestdt>frstmldt & epestdt~=.n & frstmldt~=.n)
replace epeb4tkml = 3 if (epestdt==frstmldt & epestdt~=.n & frstmldt~=.n)
replace epeb4tkml = 4 if (epestdt==.n & frstmldt==.n)
replace epeb4tkml = 5 if ((epestdt==.n | frstmldt==.n) & epeb4tkml ==.n)
tab epeb4tkml, mis

** Check the timing of LDW relative to First Ticket Mailing Date
gen ldwb4tkml = .n
replace ldwb4tkml = 1 if (ldwstdt<frstmldt & ldwstdt~=. & frstmldt~=.n)
replace ldwb4tkml = 2 if (ldwstdt>frstmldt & ldwstdt~=. & frstmldt~=.n)
replace ldwb4tkml = 3 if (ldwstdt==frstmldt & ldwstdt~=. & frstmldt~=.n)
replace ldwb4tkml = 4 if (ldwstdt==. & frstmldt==.n)
replace ldwb4tkml = 5 if ((ldwstdt==. | frstmldt==.n) & ldwb4tkml ==.n)
tab ldwb4tkml, mis

*****
*** Generate service enrollment start date and status
*** using VR enrollment date and Ticket assignment date;
*** Ticket assignment indicates service enrollment in a VR agency or an EN.
*****
gen srvstdt = .n
format srvstdt %d
***service start date = rsadoe if rsadoe is after the DI award date
replace srvstdt = rsadoe if (rsadoe > awarddate & !mi(rsadoe))
***replace service start date with the ticket assignment date if missing the service
start date
replace srvstdt = tktassndt if (!mi(tktassndt) & mi(srvstdt))
***use ticket assign date if ticketet assign date is before rsadoe
replace srvstdt = tktassndt if (srvstdt~=.n & rsadoe~=.n & tktassndt~=. &
tktassndt<rsadoe)
***make srvstdt missing
replace srvstdt = . if (srvstdt==.n & rsadoe<=awarddate)
replace srvstdt = . if (srvstdt==.n & rsadoe==.n & tktassndt==.)

***display earliest and latest srvstdt
qui sum srvstdt
***earliest date
display %d r(min)
***latest srvstdt
display %d r(max)

***service start date summy variables
gen srvstatus = (srvstdt != .)
tab1 srvstdt srvstatus, mis

***VR service timing
***=1 if VR is before the even and =2 if after the event
replace vrprdi = 0
replace vrprdi = 1 if (rsadoe<=awarddate & rsadoe~=.n)
*tab vrprdi

replace vrprtkml = 0
replace vrprtkml = 1 if (rsadoe<=frstmldt & rsadoe~=.n)
*tab vrprtkml

```

```

gen vrb4di = .n
replace vrb4di = 1 if (rsadoe<=awarddate & rsadoe~=.n)
replace vrb4di = 2 if (rsadoe>awarddate & rsadoe~=.n)
replace vrb4di = 0 if (rsadoe==.n)
*tab vrb4di, mis

gen vrb4tkml = .n
replace vrb4tkml = 1 if (rsadoe<=frstmltdt & rsadoe~=.n)
replace vrb4tkml = 2 if (rsadoe>frstmltdt & rsadoe~=.n)
replace vrb4tkml = 0 if (rsadoe==.n)
*tab vrb4tkml, mis

***ticket before award
gen tktb4awd = 0
replace tktb4awd = 1 if (frstmltdt<awarddate & frstmltdt~=.n)

gen tktb4ent = 0
replace tktb4ent = 1 if (frstmltdt<doei & frstmltdt~=.n)

***mark people with their first mail date before their award date
gen mlbfrawd = (frstmltdt < awarddate & !mi(frstmltdt) & !mi(awarddate))
label var mlbfrawd "=1 if first mail date is before award date"

***mark people who were mailed a ticket more than 48 months after DI award
gen frstmltdtmore48 = (mofd(frstmltdt) - mofd(awarddate) > 48 & !mi(awarddate) &
!mi(frstmltdt))
label var frstmltdtmore48 "=1 if ticket was mailed 49 or more months after award date"

***number of months after awarddate starting on Jan 2001. Jan 2001 = 1
***award date must be after Jan 1, 2001 and before Jan 1, 2005
gen nummnthjan01 = mofd(awarddate) - mofd(date("12/1/2000","MDY")) ///
if awarddate>=date("1/1/2001","MDY") ///
& awarddate<=date("12/31/2004","MDY")
label var nummnthjan01 "number of months after awarddate starting on Jan 2001. Jan
2001 = 1"

***square term
gen nummnthjan01sqr = (nummnthjan01*nummnthjan01)
label var nummnthjan01sqr "nummnthjan01*nummnthjan01"

***quadratic term
gen nummnthjan01cub = (nummnthjan01*nummnthjan01*nummnthjan01)
label var nummnthjan01cub "nummnthjan01*nummnthjan01*nummnthjan01"

/*
tablist awarddate nummnthjan01 nummnthjan01sqr nummnthjan01cub ///
if awarddate>=date("1/1/2001","MDY") &
awarddate<=date("12/1/2004","MDY"),sort(v)
*/

***date variables to advance di award date by 1-4 years
gen yr1aftdi = mdy(month(awarddate),day(awarddate),(year(awarddate) +1))
gen yr2aftdi = mdy(month(awarddate),day(awarddate),(year(awarddate) +2))
gen yr3aftdi = mdy(month(awarddate),day(awarddate),(year(awarddate) +3))
gen yr4aftdi = mdy(month(awarddate),day(awarddate),(year(awarddate) +4))

***indicators for event between award date 1-4 year of time
local events srvstdt twpstdt epestdt ldwstdt
foreach e of local events { /* loop for events */

```

```

    ***event within 1 year
    gen byte `e'12 = (`e' <= yr1aftdi)
    ***event within 2 years
    gen byte `e'24 = (`e' <= yr2aftdi)
    ***event within 3 years
    gen byte `e'36 = (`e' <= yr3aftdi)
    ***event within 4 years
    gen byte `e'48 = (`e' <= yr4aftdi)
}
*

***dummy variable for the number of months after
***first mail date that a beneficiary recieved an award
***tkaft0di = 1 if award month and first mail month are the same month
foreach n of num 0(1)48 {
    gen byte tkaft`n'di = ((mofd(awarddate)+ `n') == (mofd(frstmldt)))
}
*

***dummy variable for the number of years after
***first mail date that a beneficiary recieved an award
***tkaft0di = 1 if award month and first mail month are the same month
gen byte tkyr1di = (inlist(1,tkaft0di,tkaft1di,tkaft2di,tkaft3di, ///
                          tkaft4di,tkaft5di,tkaft6di,tkaft7di, ///
                          tkaft8di,tkaft9di,tkaft10di,tkaft11di,tkaft12di))

gen byte tkyr2di = (inlist(1,tkaft13di,tkaft14di,tkaft15di,tkaft16di, ///
                          tkaft17di,tkaft18di,tkaft19di,tkaft20di, ///
                          tkaft21di,tkaft22di,tkaft23di,tkaft24di))

gen byte tkyr3di = (inlist(1,tkaft25di,tkaft26di,tkaft27di,tkaft28di, ///
                          tkaft29di,tkaft30di,tkaft31di,tkaft32di, ///
                          tkaft33di,tkaft34di,tkaft35di,tkaft36di))

gen byte tkyr4di = (inlist(1,tkaft37di,tkaft38di,tkaft39di,tkaft40di, ///
                          tkaft41di,tkaft42di,tkaft43di,tkaft44di, ///
                          tkaft45di,tkaft46di,tkaft47di,tkaft48di))

/*
tablist tkyr*di,sort(v)
*/

***ticket on demand dummy variable
preserve

***keep people with ticket mail date after nov 2001 and before dec 2004
keep if frstmldt >= mdy(11,1,2001) & frstmldt <= mdy(12,31,2004)

***generate terminal digit of ssn
gen str1 ssn9 = substr(ssn,9,1)

***ny phase dummy
gen byte phaselny    = (phase == 1 & awardst == "NY")
gen byte phasenotny = (phase == 1 & awardst != "NY")

*tab phasel phasenotny,m

***ticket on demand for phase == 1 and awardst != NY
generate tdemand =      (inlist(ssn9,"1")                & frstmldt<mdy(1,1,2002) &
phasenotny == 1)
replace tdemand = 1 if inlist(ssn9,"2","3")            & frstmldt<mdy(4,1,2002) &
phasenotny == 1
replace tdemand = 1 if inlist(ssn9,"4","5","6")        & frstmldt<mdy(5,1,2002) &
phasenotny == 1

```

```

replace tdemand = 1 if inlist(ssn9,"7","8","9","0") & frstmltdt<mdy(6,1,2002) &
phasenotny == 1
/*
table frstmltdt ssn9 tdemand if phasenotny ==1 & year(frstmltdt)==2002
*/
***ticket on demand for phase == 1 and awardst == NY
replace tdemand = 1 if inlist(ssn9,"1") & frstmltdt<mdy(1,1,2002) & phaselny == 1
replace tdemand = 1 if inlist(ssn9,"2") & frstmltdt<mdy(5,1,2002) & phaselny == 1
replace tdemand = 1 if inlist(ssn9,"3","4") & frstmltdt<mdy(7,1,2002) & phaselny == 1
replace tdemand = 1 if inlist(ssn9,"5","6") & frstmltdt<mdy(8,1,2002) & phaselny == 1
replace tdemand = 1 if inlist(ssn9,"7","8") & frstmltdt<mdy(9,1,2002) & phaselny == 1
replace tdemand = 1 if inlist(ssn9,"9","0") & frstmltdt<mdy(10,1,2002) & phaselny == 1
/*
table frstmltdt ssn9 tdemand if phaselny ==1 & year(frstmltdt)==2002
*/
***ticket on demand for phase == 2
replace tdemand = 1 if inlist(ssn9,"1") & frstmltdt<mdy(10,1,2002) &
frstmltdt>mdy(10,26,2002) & phase==2
replace tdemand = 1 if inlist(ssn9,"2") & frstmltdt<mdy(1,1,2003) &
frstmltdt>mdy(10,26,2002) & phase==2
replace tdemand = 1 if inlist(ssn9,"3") & frstmltdt<mdy(2,1,2003) &
frstmltdt>mdy(10,26,2002) & phase==2
replace tdemand = 1 if inlist(ssn9,"4") & frstmltdt<mdy(3,1,2003) &
frstmltdt>mdy(10,26,2002) & phase==2
replace tdemand = 1 if inlist(ssn9,"5") & frstmltdt<mdy(4,1,2003) &
frstmltdt>mdy(10,26,2002) & phase==2
replace tdemand = 1 if inlist(ssn9,"6") & frstmltdt<mdy(5,1,2003) &
frstmltdt>mdy(10,26,2002) & phase==2
replace tdemand = 1 if inlist(ssn9,"7") & frstmltdt<mdy(6,1,2003) &
frstmltdt>mdy(10,26,2002) & phase==2
replace tdemand = 1 if inlist(ssn9,"8") & frstmltdt<mdy(7,1,2003) &
frstmltdt>mdy(10,26,2002) & phase==2
replace tdemand = 1 if inlist(ssn9,"9") & frstmltdt<mdy(8,1,2003) &
frstmltdt>mdy(10,26,2002) & phase==2
replace tdemand = 1 if inlist(ssn9,"0") & frstmltdt<mdy(9,1,2003) &
frstmltdt>mdy(10,26,2002) & phase==2
/*
table frstmltdt ssn9 tdemand if phase==2 & inlist(year(frstmltdt),2002,2003)
*/
***ticket on demand for phase == 3
***tdemand = 0 if people are in phase 3 but have a frstmltdt before Oct 18 2003.
***Oct 18 2003 was the date that people in phase 3 were selected so you could not
***"demand" a ticket before then.
replace tdemand = 1 if inlist(ssn9,"1") & frstmltdt<mdy(11,1,2003) &
frstmltdt>mdy(10,18,2003) & phase==3
replace tdemand = 1 if inlist(ssn9,"2") & frstmltdt<mdy(1,1,2004) &
frstmltdt>mdy(10,18,2003) & phase==3
replace tdemand = 1 if inlist(ssn9,"3") & frstmltdt<mdy(2,1,2004) &
frstmltdt>mdy(10,18,2003) & phase==3
replace tdemand = 1 if inlist(ssn9,"4") & frstmltdt<mdy(3,1,2004) &
frstmltdt>mdy(10,18,2003) & phase==3
replace tdemand = 1 if inlist(ssn9,"5") & frstmltdt<mdy(4,1,2004) &
frstmltdt>mdy(10,18,2003) & phase==3
replace tdemand = 1 if inlist(ssn9,"6") & frstmltdt<mdy(5,1,2004) &
frstmltdt>mdy(10,18,2003) & phase==3
replace tdemand = 1 if inlist(ssn9,"7") & frstmltdt<mdy(6,1,2004) &
frstmltdt>mdy(10,18,2003) & phase==3
replace tdemand = 1 if inlist(ssn9,"8") & frstmltdt<mdy(7,1,2004) &
frstmltdt>mdy(10,18,2003) & phase==3
replace tdemand = 1 if inlist(ssn9,"9") & frstmltdt<mdy(8,1,2004) &
frstmltdt>mdy(10,18,2003) & phase==3
replace tdemand = 1 if inlist(ssn9,"0") & frstmltdt<mdy(9,1,2004) &
frstmltdt>mdy(10,18,2003) & phase==3

```

```

/*
table frstmldt ssn9 tdemand if phase==3 & inlist(year(frstmldt),2003,2004)
*/
label var tdemand "1=ticket by demand"

***tempsave
keep ssn tdemand
compress
tempfile demand
sort ssn
save `demand'

***recall full dataset
restore
***merge on tdemand variable
merge 1:1 ssn using `demand'

***drop merge variable
drop _merge

***fill in missing values of tdemad with 0
replace tdemand = 0 if tdemand == .

***monthly state unemployment rates
***convert the dataset to a wide dataset to merge by state
***save full dataset
tempfile full
save `full'

***insheet monthly unemployment rates
insheet using "`monthly'",clear

***drop years before 1999
drop if year < 1999

***rename variables for reshape
rename jan mly
rename feb m2y
rename mar m3y
rename apr m4y
rename may m5y
rename jun m6y
rename jul m7y
rename aug m8y
rename sep m9y
rename oct m10y
rename nov m11y
rename dec m12y
rename postalcode awardst

***reshape wide
reshape wide mly - m12y, i(awardst) j(year)

***save unemployment information
compress
tempfile unemploy
save `unemploy'

***load full dataset
use `full', clear

***merge in unemployment data

```

```

merge m:1 awardst using `unemploy'

***drop merge variable
drop _merge

/*~~~~~
| State unemployment levels n months after award date. (n=1-36 months)
~~~~~*/

***state unemployment rate for n=1-36 months after award
***date n months after award date (n=1-36 months)
***month`n`afterdi is always the 1st day of the month
***awarddate is always the 1st day of the month
foreach n of num 0(1)36 {
    generate int month`n`afterdi = dofm(mofd(awarddate) + `n')
    format month`n`afterdi %td
}
*

***unemployment rate in n months after award date (n=1-36 months)
foreach n of num 0(1)36 {
    generate unemp`n`aftawddi = m`=month(month`n`afterdi)'y`=year(month`n`afterdi)'
    label var unemp`n`aftawddi `"state unemployment rate `n' months after awarddate"
}
*

/*~~~~~
| State unemployment levels n months after first mail date. (n=1-36 months)
|
| This code only works if the first mail date is not missing and the first mail date
| is before Jan 2008
| I am going to remove the people without a first mail date and append them
| on afterwards.
~~~~~*/

***save full sample of people
preserve
tempfile misssmaildate
***keeping people without a first mail date or first mail date is after jan 2008
keep if mi(frstmldt) | frstmldt >= td(1jan2008)
***saving people without a first mail date
save `misssmaildate'

***loading full dataset
restore
***drop people without a first mail date
drop if mi(frstmldt) | frstmldt >= td(1jan2008)

***state unemployment rate for n=1-48 months after first mail date
***date n months after first mail date (n=1-48 months)
***month`n`aftfrstm1 is always the 1st day of the month

***state unemployment rate for n=1-48 months after first mail date
***n=1-48 months after first mail date
foreach n of num 0(1)48 {
    generate int month`n`aftfrstm1 = dofm(mofd(frstmldt) + `n')
    format month`n`aftfrstm1 %td
}
*

***return unemployment rate based on first mail date

```

```

foreach n of num 0(1)48 {
    gen unemp`n'aftfrstml = m`=month(month`n'aftfrstml)'y`=year(month`n'aftfrstml)'
    label var unemp`n'aftfrstml `"state unemployment rate `n' months after first mail
date"'
}
*

***append people without a first mail date
append using `missmaildate'

***drop raw employment and montly variables
drop mly1999-m12y2011 month0afterdi- month36afterdi month0aftfrstml-month48aftfrstml

/*~~~~~
| Mean unemployment between the month after first mail and 48 months after.
| Difference between the unemployment rate 48 months from the first mail date
| and the unemployment rate.
~~~~~*/
egen meanunemp48frstml = rowmean(unemplaftfrstml-unemp48aftfrstml)
label var meanunemp48frstml "avg unemp from month after frstmltdt to 48 mnths later"

gen diffunemp48frstml = (unemp48aftfrstml - unemplaftfrstml)
label var diffunemp48frstml "(unemp48aftfrstml - unemplaftfrstml)"

/*~~~~~
| Mean unemployment between the month after award month and 12, 24 and 36 months
after.
| Difference between the unemployment rate 12, 24 and 36 months from the award date
| and the unemployment rate.
~~~~~*/
egen meanunemp12 = rowmean(unemplaftawddi-unemp12aftawddi)
egen meanunemp24 = rowmean(unemplaftawddi-unemp24aftawddi)
egen meanunemp36 = rowmean(unemplaftawddi-unemp36aftawddi)

label var meanunemp12 "avg unemp from month after award date to 12 mnths later"
label var meanunemp24 "avg unemp from month after award date to 24 mnths later"
label var meanunemp36 "avg unemp from month after award date to 36 mnths later"

gen diffunemp12 = (unemp12aftawddi - unemplaftawddi)
gen diffunemp24 = (unemp24aftawddi - unemplaftawddi)
gen diffunemp36 = (unemp36aftawddi - unemplaftawddi)

label var diffunemp12 "(unemp12aftawddi - unemplaftawddi)"
label var diffunemp24 "(unemp24aftawddi - unemplaftawddi)"
label var diffunemp36 "(unemp36aftawddi - unemplaftawddi)"

***Generate calendar month indicators for month of DI award: Jan 2001 through Oct
2003
***Jan 2001 - Dec 2001
foreach n of numlist 1(1)12 {
    gen byte awardmonth`n' = (mofd(awarddate) == mofd(`=date("`n'/1/2001", "MDY")))
    label var awardmonth`n' `="=1 if award date is in `n'/1/2001"'
}
*

***Jan 2002 - Dec 2002
local c = 1
foreach n of numlist 13(1)24 {
    gen byte awardmonth`n' = (mofd(awarddate) == mofd(`=date("`c'/1/2002", "MDY")))
    label var awardmonth`n' `="=1 if award date is in `c'/1/2002"'
    local c = `c'+1
}
*

```

```

***Jan 2003 - Dec 2003
local c = 1
foreach n of numlist 25(1)36 {
    gen byte awardmonth`n' = (mofd(awarddate) == mofd(`=date("`c'/1/2003", "MDY")))
    label var awardmonth`n' `="=1 if award date is in `c'/1/2003"
    local c = `c'+1
}
*

***Generate calendar month indicators for month of ticket mailing: Nov 2003 through
Sep 2004
gen int mailmonth1 = (frstmltdt>= `=date("11/1/2003", "MDY")' &
frstmltdt<`=date("12/1/2003", "MDY")')
label var mailmonth1 "=1 if first mail date is in Nov 2003"
gen int mailmonth2 = (frstmltdt>= `=date("12/1/2003", "MDY")' &
frstmltdt<`=date("1/1/2004", "MDY")')
label var mailmonth2 "=1 if first mail date is in Dec 2003"
gen int mailmonth3 = (frstmltdt>= `=date("1/1/2004", "MDY")' &
frstmltdt<`=date("2/1/2004", "MDY")')
label var mailmonth3 "=1 if first mail date is in Jan 2004"
gen int mailmonth4 = (frstmltdt>= `=date("2/1/2004", "MDY")' &
frstmltdt<`=date("3/1/2004", "MDY")')
label var mailmonth4 "=1 if first mail date is in Feb 2004"
gen int mailmonth5 = (frstmltdt>= `=date("3/1/2004", "MDY")' &
frstmltdt<`=date("4/1/2004", "MDY")')
label var mailmonth5 "=1 if first mail date is in Mar 2004"
gen int mailmonth6 = (frstmltdt>= `=date("4/1/2004", "MDY")' &
frstmltdt<`=date("5/1/2004", "MDY")')
label var mailmonth6 "=1 if first mail date is in Apr 2004"
gen int mailmonth7 = (frstmltdt>= `=date("5/1/2004", "MDY")' &
frstmltdt<`=date("6/1/2004", "MDY")')
label var mailmonth7 "=1 if first mail date is in May 2004"
gen int mailmonth8 = (frstmltdt>= `=date("6/1/2004", "MDY")' &
frstmltdt<`=date("7/1/2004", "MDY")')
label var mailmonth8 "=1 if first mail date is in Jun 2004"
gen int mailmonth9 = (frstmltdt>= `=date("7/1/2004", "MDY")' &
frstmltdt<`=date("8/1/2004", "MDY")')
label var mailmonth9 "=1 if first mail date is in Jul 2004"
gen int mailmonth10 = (frstmltdt>= `=date("8/1/2004", "MDY")' &
frstmltdt<`=date("9/1/2004", "MDY")')
label var mailmonth10 "=1 if first mail date is in Aug 2004"
gen int mailmonth11 = (frstmltdt>= `=date("9/1/2004", "MDY")' &
frstmltdt<`=date("10/1/2004", "MDY")')
label var mailmonth11 "=1 if first mail date is in Sep 2004"

local events srvstdt twpstdt epestdt ldwstdt
foreach e of local events { /* loop for events */
    foreach y of numlist 2004(1)2007 { /* loop for year */
        local d = `y'+1
        gen byte `e'`y' = (mofd(`e') < mofd(`=date("1/1/`d'", "MDY")))
        label var `e'`y' `="=1 if mofd(`e') < mofd(1/1/`d')"
    } /* close year loop */
} /* close event loop */
*
/*
tablist srvstdt srvstdt2004 if srvstdt < `=date("2/1/2005", "MDY")',sort(v)
*/

/*~~~~~
| Phase rollout indicators for 1-4 years
~~~~~*/

```



```

***date variable to advance phase 1 roll out date by 1-4 years
foreach n of num 1(1)4 {
  gen phaselyr`n'aft = mofd(mdy(2,1,(2002+`n')))
  if `n' == 1 {
    label var phaselyr`n'aft `" `n' year after Feb 2002"'
  }
  else {
    label var phaselyr`n'aft `" `n' years after Feb 2002"'
  }
  format phaselyr`n'aft %td
}
*

***date variable to advance phase 2 roll out date by 1-4 years
foreach n of num 1(1)4 {
  gen phase2yr`n'aft = mofd(mdy(11,1,(2002+`n')))
  if `n' == 1 {
    label var phase2yr`n'aft `" `n' year after Nov 2002"'
  }
  else {
    label var phase2yr`n'aft `" `n' years after Nov 2002"'
  }
  format phase2yr`n'aft %td
}
*

***date variable to advance phase 3 roll out date by 1-4 years
foreach n of num 1(1)4 {
  gen phase3yr`n'aft = mofd(mdy(11,1,(2003+`n')))
  if `n' == 1 {
    label var phase3yr`n'aft `" `n' year after phase Nov 2003"'
  }
  else {
    label var phase3yr`n'aft `" `n' years after phase Nov 2003"'
  }
  format phase3yr`n'aft %td
}
*

***binary variable indicating if an event occurred 12,24,36 or 48 after
***the phase mail date
local events srv twp epe ldw
foreach e of local events { /* loop for events */
  ***event indicators for windows of time
  gen byte `e'roll12 = (mofd(`e'stdt) >= mofd(mdy(2,1,2002))) & ///
    mofd(`e'stdt) <= phaselyr1aft & phase == 1)

  gen byte `e'roll24 = (mofd(`e'stdt) >= mofd(mdy(2,1,2002))) & ///
    mofd(`e'stdt) <= phaselyr2aft & phase == 1)

  gen byte `e'roll36 = (mofd(`e'stdt) >= mofd(mdy(2,1,2002))) & ///
    mofd(`e'stdt) <= phaselyr3aft & phase == 1)

  gen byte `e'roll48 = (mofd(`e'stdt) >= mofd(mdy(2,1,2002))) & ///
    mofd(`e'stdt) <= phaselyr4aft & phase == 1)
}
*

local events srv twp epe ldw
foreach e of local events { /* loop for events */
  ***event indicators for windows of time

```

```

replace `e'roll12 = 1 if (mofd(`e'stdt) >= mofd(mdy(11,1,2002)) & ///
                        mofd(`e'stdt) <= phase2yr1aft) & phase == 2

replace `e'roll24 = 1 if (mofd(`e'stdt) >= mofd(mdy(11,1,2002)) & ///
                        mofd(`e'stdt) <= phase2yr2aft) & phase == 2

replace `e'roll36 = 1 if (mofd(`e'stdt) >= mofd(mdy(11,1,2002)) & ///
                        mofd(`e'stdt) <= phase2yr3aft) & phase == 2

replace `e'roll48 = 1 if (mofd(`e'stdt) >= mofd(mdy(11,1,2002)) & ///
                        mofd(`e'stdt) <= phase2yr4aft) & phase == 2

}
*

local events srv twp epe ldw
foreach e of local events { /* loop for events */
  ***event indicators for windows of time
  replace `e'roll12 = 1 if (mofd(`e'stdt) >= mofd(mdy(11,1,2003)) & ///
                          mofd(`e'stdt) <= phase3yr1aft) & phase == 3

  replace `e'roll24 = 1 if (mofd(`e'stdt) >= mofd(mdy(11,1,2003)) & ///
                          mofd(`e'stdt) <= phase3yr2aft) & phase == 3

  replace `e'roll36 = 1 if (mofd(`e'stdt) >= mofd(mdy(11,1,2003)) & ///
                          mofd(`e'stdt) <= phase3yr3aft) & phase == 3

  replace `e'roll48 = 1 if (mofd(`e'stdt) >= mofd(mdy(11,1,2003)) & ///
                          mofd(`e'stdt) <= phase3yr4aft) & phase == 3
}
*

/*~~~~~
| Number of months after roll out date that event occurs.
| 0 if month before rollout
| 1 if month of the rollout up to 48 months
| 99 if event after 48 months
~~~~~*/

local events srv twp epe ldw
foreach e of local events { /* loop for events */
  generate frst_`e'_mnth = .
  ***phase 1
  ***number of months after rollout that event occurs
  replace frst_`e'_mnth = mofd(`e'stdt) - mofd(td(1feb2002) +1) if ///
                        phase == 1 ///
                        & stawd0 != "NY" ///
                        & mofd(awarddate) < tm(2002m2) ///
                        & inlist(mofd(frstmldt),mofd(td(1jan2002)) ///
                                ,mofd(td(1feb2002)) ///
                                ,mofd(td(1apr2002)) ///
                                ,mofd(td(1may2002)) ///
                                ,mofd(td(1jun2002)) ///
                                ,mofd(td(1jul2002)) ///
                                ,mofd(td(1aug2002)) ///
                                ,mofd(td(1sep2002)))

  ***if the event is more than 48 months after phase 1 rollout frst_`e'_mnth=99
  replace frst_`e'_mnth = 99 if phase == 1 ///
                        & stawd0 != "NY" ///
                        & mofd(`e'stdt) - mofd(td(1feb2002) +1) >= 49 ///
                        & mofd(awarddate) < tm(2002m2) ///
                        & inlist(mofd(frstmldt),mofd(td(1jan2002)) ///
                                ,mofd(td(1feb2002)) ///
                                ,mofd(td(1apr2002)) ///
                                ,mofd(td(1may2002)) ///
                                ,mofd(td(1jun2002)) ///
                                ,mofd(td(1jul2002)) ///
                                ,mofd(td(1aug2002)) ///
                                ,mofd(td(1sep2002)))

```

```

, mofd(td(1feb2002))    ///
, mofd(td(1apr2002))   ///
, mofd(td(1may2002))   ///
, mofd(td(1jun2002))   ///
, mofd(td(1jul2002))   ///
, mofd(td(1aug2002))   ///
, mofd(td(1sep2002))   ///

***0 if the event month is before rollout start
replace frst_`e'_mnth=0 if mofd(`e'stdt) < mofd(td(1feb2002)) ///
& phase == 1          ///
& stawd0 != "NY"

*****
***This section below is for people in phase 1 and in NY.
***People in phase 1 and in NY can have a first mail date in October.
*****

***phase 1
***number of months after rollout that event occurs
replace frst_`e'_mnth = mofd(`e'stdt) - mofd(td(1feb2002) +1) if ///
phase == 1          ///
& mofd(awarddate) < tm(2002m2)      ///
& stawd0 == "NY"          ///
& inlist(mofd(frstmldt),mofd(td(1jan2002)) ///
,mofd(td(1feb2002)) ///
,mofd(td(1apr2002)) ///
,mofd(td(1may2002)) ///
,mofd(td(1jun2002)) ///
,mofd(td(1jul2002)) ///
,mofd(td(1aug2002)) ///
,mofd(td(1sep2002)) ///
,mofd(td(1oct2002)))

***if the event is more than 48 months after phase 1 rollout frst_`e'_mnth=99
replace frst_`e'_mnth = 99 if phase == 1          ///
& mofd(`e'stdt) - mofd(td(1feb2002) +1) >= 49 ///
& mofd(awarddate) < tm(2002m2)      ///
& stawd0 == "NY"          ///
& inlist(mofd(frstmldt),mofd(td(1jan2002)) ///
,mofd(td(1feb2002)) ///
,mofd(td(1apr2002)) ///
,mofd(td(1may2002)) ///
,mofd(td(1jun2002)) ///
,mofd(td(1jul2002)) ///
,mofd(td(1aug2002)) ///
,mofd(td(1sep2002)) ///
,mofd(td(1oct2002)))

***0 if the event month is before rollout start
replace frst_`e'_mnth=0 if mofd(`e'stdt) < mofd(td(1feb2002)) & stawd0 == "NY" ///
& phase == 1

***phase 2
***number of months after rollout that event occurs
replace frst_`e'_mnth = mofd(`e'stdt) - mofd(td(1nov2002) +1) if ///
phase == 2          ///
& mofd(awarddate) < tm(2002m11)      ///
& inlist(mofd(frstmldt),mofd(td(1oct2002)) ///
,mofd(td(1nov2002)) ///

```

```

, mofd(td(1jan2003)) ///
, mofd(td(1feb2003)) ///
, mofd(td(1mar2003)) ///
, mofd(td(1apr2003)) ///
, mofd(td(1may2003)) ///
, mofd(td(1jun2003)) ///
, mofd(td(1jul2003)) ///
, mofd(td(1aug2003)) ///
, mofd(td(1sep2003))

***if the event is more than 48 months after phase 1 rollout frst_`e'_mnth=99
replace frst_`e'_mnth = 99 if phase == 2 ///
    & mofd(`e'stdt) - mofd(td(1nov2002) +1) >= 49 ///
    & mofd(awarddate) < tm(2002m11) ///
    & inlist(mofd(frstmldt), mofd(td(1oct2002)) ///
        , mofd(td(1nov2002)) ///
        , mofd(td(1jan2003)) ///
        , mofd(td(1feb2003)) ///
        , mofd(td(1mar2003)) ///
        , mofd(td(1apr2003)) ///
        , mofd(td(1may2003)) ///
        , mofd(td(1jun2003)) ///
        , mofd(td(1jul2003)) ///
        , mofd(td(1aug2003)) ///
        , mofd(td(1sep2003)))

***0 if the event month is before rollout start
replace frst_`e'_mnth=0 if mofd(`e'stdt) < mofd(td(1nov2002)) ///
    & phase == 2

***phase 3
***number of months after rollout that event occurs
replace frst_`e'_mnth = mofd(`e'stdt) - mofd(td(1nov2003) +1) if ///
    phase == 3 ///
    & mofd(awarddate) < tm(2003m11) ///
    & inlist(mofd(frstmldt), mofd(td(1oct2003)) ///
        , mofd(td(1nov2003)) ///
        , mofd(td(1jan2004)) ///
        , mofd(td(1feb2004)) ///
        , mofd(td(1mar2004)) ///
        , mofd(td(1apr2004)) ///
        , mofd(td(1may2004)) ///
        , mofd(td(1jun2004)) ///
        , mofd(td(1jul2004)) ///
        , mofd(td(1aug2004)) ///
        , mofd(td(1sep2004)))

***if the event is more than 48 months after phase 1 rollout frst_`e'_mnth=99
replace frst_`e'_mnth = 99 if phase == 3 ///
    & mofd(`e'stdt) - mofd(td(1nov2003) +1) >= 49 ///
    & mofd(awarddate) < tm(2003m11) ///
    & inlist(mofd(frstmldt), mofd(td(1oct2003)) ///
        , mofd(td(1nov2003)) ///
        , mofd(td(1jan2004)) ///
        , mofd(td(1feb2004)) ///
        , mofd(td(1mar2004)) ///
        , mofd(td(1apr2004)) ///
        , mofd(td(1may2004)) ///
        , mofd(td(1jun2004)) ///
        , mofd(td(1jul2004)) ///
        , mofd(td(1aug2004)) ///
        , mofd(td(1sep2004)))

```

```

, mofd(td(1sep2004)))

***0 if the event month is before rollout start
replace first_`e'_mnth=0 if mofd(`e'stdt) < mofd(td(1nov2003)) ///
& phase == 3
}
*

/*~~~~~
| Potential number of months suspended or terminated for work.
| 0 if no LDW event between phase rollout month and 48 month observation period.
| pmoldw = (Date of 48th month from phase rollout month) - (first LDW month)
|
| PMOLDW can be missing but numldw48 populated for cases in phase 1 because ldwstdt
| is missing.
|~~~~~*/
generate pmoldw = .

***phase 1
*** potential number of months on ldw to 0 if ldw did not occur in 48 months after
phase 1 rollout
replace pmoldw = 0 if phase == 1 ///
& mofd(awarddate) <= tm(2001m12)

***potential number of ldw months in a 48 month period after phase 1 rollout
replace pmoldw = (mofd(td(1feb2002))+48)-mofd(ldwstdt) if phase == 1
///
& (mofd(td(1feb2002))+48)-
mofd(ldwstdt) <= 48 ///
& (mofd(td(1feb2002))+48)-
mofd(ldwstdt) >= 0 ///
& mofd(awarddate) <
tm(2002m2) ///
& !mi(ldwstdt)
///
& !mi(frstmldt)

***phase 2
*** potential number of months on ldw to 0 if ldw did not occur in 48 months after
phase 2 rollout
replace pmoldw = 0 if phase == 2 ///
& mofd(awarddate) <= tm(2002m11)

***potential number of ldw months in a 48 month period after phase 2 rollout
replace pmoldw = (mofd(td(1nov2002))+48)-mofd(ldwstdt) if phase == 2
///
& (mofd(td(1nov2002))+48)-
mofd(ldwstdt) <= 48 ///
& (mofd(td(1nov2002))+48)-
mofd(ldwstdt) >= 0 ///
& mofd(awarddate) <
tm(2002m11) ///
& !mi(ldwstdt)
///
& !mi(frstmldt)

***phase 3
*** potential number of months on ldw to 0 if ldw did not occur in 48 months after
phase 3 rollout

```

```

replace pmoldw = 0 if phase == 3                                     ///
                        & mofd(awarddate) < tm(2003m11)
***potential number of ldw months in a 48 month period after phase 3 rollout
replace pmoldw = (mofd(td(1nov2003))+48)-mofd(ldwstdt) if phase == 3
///
mofd(ldwstdt) <= 48  ///                                          & (mofd(td(1nov2003))+48)-
mofd(ldwstdt) >= 0  ///                                          & (mofd(td(1nov2003))+48)-
tm(2003m11)          ///                                          & mofd(awarddate) <=
///                                                         & !mi(ldwstdt)
///                                                         & !mi(frstmltd)

/*
***tab with and without missing for the histograms
tab pmoldw,m p
tab pmoldw,p
bysort phase: tab pmoldw,p
*/

/* The month to ticket, "mototkt", code below is based on award dates and first mail
dates.
The new code after the commented out section is based on ticket selection date.

/*~~~~~
| Duration in months from the rollout date to
| the ticket mail date.
| Phase 1 example
| 1 = January/february mailing
| 2 = March mailing
~~~~~*/
generate mototkt = .
***phase 1 no NY
replace mototkt = (mofd(frstmltd) - mofd(td(1feb2002))+1) if phase == 1
///
///                                                         & stawd0 != "NY"
///                                                         & mofd(awarddate) <
tm(2002m2)          ///                                          & mofd(frstmltd) >=
mofd(td(1feb2002))  ///                                          &
inlist(mofd(frstmltd),mofd(td(1feb2002))  ///
,mofd(td(1apr2002))  ///
,mofd(td(1may2002))  ///
,mofd(td(1jun2002))  ///
,mofd(td(1jul2002))  ///
,mofd(td(1aug2002))  ///
,mofd(td(1sep2002)))

***change mototkt to 1 if first mail date is in January 1, 2002 because SSA
***incorrectly recorded the mailing dates for January 2002.
replace mototkt = 1 if phase == 1                                     ///
                        & mofd(awarddate) < tm(2002m2)           ///
                        & mofd(frstmltd) == mofd(td(1jan2002))

```

```

*****
***This section below is for people in phase 1 and in NY.
***People in phase 1 and in NY can have a first mail date in October.
*****
***phase 1 in NY
replace mototkt = (mofd(frstmldt) - mofd(td(1feb2002))+1) if phase == 1
///
tm(2002m2)          ///
mofd(td(1feb2002))  ///
///
inlist(mofd(frstmldt),mofd(td(1feb2002))  ///
,mofd(td(1apr2002))  ///
,mofd(td(1may2002))  ///
,mofd(td(1jun2002))  ///
,mofd(td(1jul2002))  ///
,mofd(td(1aug2002))  ///
,mofd(td(1sep2002))  ///
,mofd(td(1oct2002)))

& mofd(awarddate) <
& mofd(frstmldt) >=
& stawd0 == "NY"
&

***phase 2
replace mototkt = (mofd(frstmldt) - mofd(td(1nov2002))+1) if phase == 2
///
tm(2002m11)         ///
mofd(td(1nov2002))  ///
///
inlist(mofd(frstmldt),mofd(td(1nov2002))  ///
,mofd(td(1jan2003))  ///
,mofd(td(1feb2003))  ///
,mofd(td(1mar2003))  ///
,mofd(td(1apr2003))  ///
,mofd(td(1may2003))  ///
,mofd(td(1jun2003))  ///
,mofd(td(1jul2003))  ///
,mofd(td(1aug2003))  ///
,mofd(td(1sep2003)))

& mofd(awarddate) <
& mofd(frstmldt) >=
&

***change mototkt to zero if first mail date is in October 1, 2002 because SSA

```

```

***incorrectly recorded the mailing dates for October 1 2002.
replace mototkt = 1 if phase == 2                                     ///
                    & mofd(awarddate) < tm(2002m11)                ///
                    & mofd(frstmldt) == mofd(td(1oct2002))

***phase 3
replace mototkt = (mofd(frstmldt) - mofd(td(1nov2003))+1) if phase == 3
///
tm(2003m11)           ///
                    & mofd(awarddate) <
mofd(td(1nov2003))    ///
                    & mofd(frstmldt) >=
                    &
inlist(mofd(frstmldt),mofd(td(1nov2003)) ///
,mofd(td(1jan2004))  ///
,mofd(td(1feb2004))  ///
,mofd(td(1mar2004))  ///
,mofd(td(1apr2004))  ///
,mofd(td(1may2004))  ///
,mofd(td(1jun2004))  ///
,mofd(td(1jul2004))  ///
,mofd(td(1aug2004))  ///
,mofd(td(1sep2004)))

***mototkt square and cube
gen mototktsq = mototkt*mototkt
gen mototktcb = mototkt*mototkt*mototkt

*/

/*~~~~~
| Duration in months from the rollout date to
| the ticket mail date.
| Phase 1 example
| 1 = January/february mailing
| 2 = March mailing
~~~~~*/
generate mototkt = .
***phase 1
replace mototkt = (mofd(frstmldt) - mofd(td(1feb2002))+1) if rd1_tktsltdt ==
d(12jan2002)

***Change mototkt to 1 if first mail date is in January 2002 and the record is a
phase 1 ticket selection.
***SSA incorrectly recorded the mailing dates for January 2002.
replace mototkt = 1 if rd1_tktsltdt == d(12jan2002) & mofd(frstmldt) ==
mofd(td(1jan2002))

***phase 2

```



```

replace mototkt = (mofd(frstmldt) - mofd(td(1nov2002))+1) if rd1_tktsltddt ==
d(26oct2002)

***Change mototkt to one if first mail date is in October 2002 and the record is a
phase 2 ticket selection.
***SSA incorrectly recorded the mailing dates for October 1 2002.
replace mototkt = 1 if rd1_tktsltddt == d(26oct2002) & mofd(frstmldt) ==
mofd(td(1oct2002))

***phase 3
replace mototkt = (mofd(frstmldt) - mofd(td(1nov2003))+1) if rd1_tktsltddt ==
td(18oct2003)

*tab mototkt_new mototkt ,m

***restrict mototkt to the rollout period
replace mototkt = 0 if mototkt < 1 | mototkt > 11

***mototkt square and cube
gen mototktsq = mototkt*mototkt
gen mototktcb = mototkt*mototkt*mototkt

***create monthly rollout dummies
generate byte mmb4 = (mofd(frstmldt) < mofd(td(1jan2002)))
generate byte mmmis= (mi(frstmldt))
generate byte mm1 = (mofd(frstmldt) == mofd(td(1jan2002)) | mofd(frstmldt) ==
mofd(td(1feb2002)))
generate byte mm2 = (mofd(frstmldt) == mofd(td(1mar2002)))
generate byte mm3 = (mofd(frstmldt) == mofd(td(1apr2002)))
generate byte mm4 = (mofd(frstmldt) == mofd(td(1may2002)))
generate byte mm5 = (mofd(frstmldt) == mofd(td(1jun2002)))
generate byte mm6 = (mofd(frstmldt) == mofd(td(1jul2002)))
generate byte mm7 = (mofd(frstmldt) == mofd(td(1aug2002)))
generate byte mm8 = (mofd(frstmldt) == mofd(td(1sep2002)))

generate byte mm9 = (mofd(frstmldt) == mofd(td(1oct2002)) & rd1_tktsltddt ==
d(12jan2002) & tsd_state == "NY" )
generate byte mm10 = (mofd(frstmldt) == mofd(td(1oct2002)) & rd1_tktsltddt ==
d(26oct2002))
replace mm10 = 1 if (mofd(frstmldt) == mofd(td(1nov2002)))

generate byte mm11 = (mofd(frstmldt) == mofd(td(1dec2002)))
generate byte mm12 = (mofd(frstmldt) == mofd(td(1jan2003)))
generate byte mm13 = (mofd(frstmldt) == mofd(td(1feb2003)))
generate byte mm14 = (mofd(frstmldt) == mofd(td(1mar2003)))
generate byte mm15 = (mofd(frstmldt) == mofd(td(1apr2003)))
generate byte mm16 = (mofd(frstmldt) == mofd(td(1may2003)))
generate byte mm17 = (mofd(frstmldt) == mofd(td(1jun2003)))
generate byte mm18 = (mofd(frstmldt) == mofd(td(1jul2003)))
generate byte mm19 = (mofd(frstmldt) == mofd(td(1aug2003)))
generate byte mm20 = (mofd(frstmldt) == mofd(td(1sep2003)))
generate byte mm21 = (mofd(frstmldt) == mofd(td(1oct2003)) | mofd(frstmldt) ==
mofd(td(1nov2003)))
generate byte mm22 = (mofd(frstmldt) == mofd(td(1dec2003)))
generate byte mm23 = (mofd(frstmldt) == mofd(td(1jan2004)))
generate byte mm24 = (mofd(frstmldt) == mofd(td(1feb2004)))
generate byte mm25 = (mofd(frstmldt) == mofd(td(1mar2004)))
generate byte mm26 = (mofd(frstmldt) == mofd(td(1apr2004)))
generate byte mm27 = (mofd(frstmldt) == mofd(td(1may2004)))
generate byte mm28 = (mofd(frstmldt) == mofd(td(1jun2004)))

```

```

generate byte mm29 = (mofd(frstmldt) == mofd(td(1jul2004)))
generate byte mm30 = (mofd(frstmldt) == mofd(td(1aug2004)))
generate byte mm31 = (mofd(frstmldt) == mofd(td(1sep2004)))
generate byte mmaft = ((mofd(frstmldt) > mofd(td(1sep2004)) & !mi(frstmldt)))
generate byte mmoth = (inlist(cohort,1999,2000,2001,2002,2003,2004) &
frstmldt>td(30sep2004) & !mi(frstmldt))

```

```

label var mm1 "frstmldt = month of jan2002 | month of feb2002"
label var mm2 "frstmldt = month of mar2002"
label var mm3 "frstmldt = month of apr2002"
label var mm4 "frstmldt = month of may2002"
label var mm5 "frstmldt = month of jun2002"
label var mm6 "frstmldt = month of jul2002"
label var mm7 "frstmldt = month of aug2002"
label var mm8 "frstmldt = month of sep2002"
label var mm9 "frstmldt = month of oct2002"
label var mm10 "frstmldt = month of nov2002"
label var mm11 "frstmldt = month of dec2002"
label var mm12 "frstmldt = month of jan2003"
label var mm13 "frstmldt = month of feb2003"
label var mm14 "frstmldt = month of mar2003"
label var mm15 "frstmldt = month of apr2003"
label var mm16 "frstmldt = month of may2003"
label var mm17 "frstmldt = month of jun2003"
label var mm18 "frstmldt = month of jul2003"
label var mm19 "frstmldt = month of aug2003"
label var mm20 "frstmldt = month of sep2003"
label var mm21 "frstmldt = month of nov2003"
label var mm22 "frstmldt = month of dec2003"
label var mm23 "frstmldt = month of jan2004"
label var mm24 "frstmldt = month of feb2004"
label var mm25 "frstmldt = month of mar2004"
label var mm26 "frstmldt = month of apr2004"
label var mm27 "frstmldt = month of may2004"
label var mm28 "frstmldt = month of jun2004"
label var mm29 "frstmldt = month of jul2004"
label var mm30 "frstmldt = month of aug2004"
label var mm31 "frstmldt = month of sep2004"

```

***intended mail month variables based on terminal digit and state at ticket selection

```

generate phasel_st_nony = (rd1_tktsltdt == td(12jan2002) & tsd_state != "NY")
generate phasel_st_ny = (rd1_tktsltdt == td(12jan2002) & tsd_state == "NY")

```

```

generate phase2_st = (rd1_tktsltdt == td(26oct2002))

```

```

generate phase3_st = (rd1_tktsltdt == td(18oct2003))

```

```

tablist tsd_state phasel_st_nony phasel_st_ny phase2_st phase3_st,sort(v)

```

```

/*

```

***intended mail month variables based on terminal digit and state at ticket selection

```

generate phasel_state_nony = (inlist(tsd_state,"AZ","CO","DE","FL","IL", ///
"IA","MA","OK","OR"))

```

```

replace phasel_state_nony = 1 if inlist(tsd_state,"SC","VT","WI")

```

```

generate phasel_state_ny = (tsd_state == "NY")

```

```

generate phase2_state = (inlist(tsd_state,"AK","AR","CT","DC","GA", ///
                               "IN","KS","KY","LA"))
replace phase2_state = 1 if inlist(tsd_state,"MI","MS","MO","MT","NV", ///
                                   "NH","NJ","NM","ND")
replace phase2_state = 1 if inlist(tsd_state,"VA","SD","TN")

generate phase3_state = (inlist(tsd_state,"AL","CA","HI","ID","ME", ///
                               "MD","MN","NE","NC"))
replace phase3_state = 1 if inlist(tsd_state,"OH","PA","RI","TX","UT", ///
                                   "WA","WV","WY","TR")
replace phase3_state = 1 if inlist(tsd_state,"PR")

tablist tsd_state phase1_state_nony phase1_state_ny phase2_state phase3_state,sort(v)
*/

```

```

***generate terminal digit of ssn
generate str1 ssn9 = substr(ssn,9,1)

```

```

***phase 1
generate byte imm1 = (inlist(ssn9,"1") & (phase1_st_nony == 1 | phase1_st_ny == 1))
generate byte imm2 = 0
generate byte imm3 = (inlist(ssn9,"2","3") & phase1_st_nony == 1)
generate byte imm4 = (inlist(ssn9,"4","5","6") & phase1_st_nony == 1)
replace imm4 = 1 if (inlist(ssn9,"2") & phase1_st_ny == 1)
generate byte imm5 = (inlist(ssn9,"7","8","9","0") & phase1_st_nony == 1)
generate byte imm6 = (inlist(ssn9,"3","4") & phase1_st_ny == 1)
generate byte imm7 = (inlist(ssn9,"5","6") & phase1_st_ny == 1)
generate byte imm8 = (inlist(ssn9,"7","8") & phase1_st_ny == 1)
generate byte imm9 = (inlist(ssn9,"9","0") & phase1_st_ny == 1)

```

```

***phase 2
generate byte imm10 = (inlist(ssn9,"1") & phase2_st == 1)
generate byte imm11 = 0
generate byte imm12 = (inlist(ssn9,"2") & phase2_st == 1)
generate byte imm13 = (inlist(ssn9,"3") & phase2_st == 1)
generate byte imm14 = (inlist(ssn9,"4") & phase2_st == 1)
generate byte imm15 = (inlist(ssn9,"5") & phase2_st == 1)
generate byte imm16 = (inlist(ssn9,"6") & phase2_st == 1)
generate byte imm17 = (inlist(ssn9,"7") & phase2_st == 1)
generate byte imm18 = (inlist(ssn9,"8") & phase2_st == 1)
generate byte imm19 = (inlist(ssn9,"9") & phase2_st == 1)
generate byte imm20 = (inlist(ssn9,"0") & phase2_st == 1)

```

```

***phase 3
generate byte imm21 = (inlist(ssn9,"1") & phase3_st == 1)
generate byte imm22 = 0
generate byte imm23 = (inlist(ssn9,"2") & phase3_st == 1)
generate byte imm24 = (inlist(ssn9,"3") & phase3_st == 1)
generate byte imm25 = (inlist(ssn9,"4") & phase3_st == 1)
generate byte imm26 = (inlist(ssn9,"5") & phase3_st == 1)
generate byte imm27 = (inlist(ssn9,"6") & phase3_st == 1)
generate byte imm28 = (inlist(ssn9,"7") & phase3_st == 1)
generate byte imm29 = (inlist(ssn9,"8") & phase3_st == 1)
generate byte imm30 = (inlist(ssn9,"9") & phase3_st == 1)
generate byte imm31 = (inlist(ssn9,"0") & phase3_st == 1)

```

```

drop ssn9

```

```

***crosstabulations of IMM and MM
***phase 1 NY

```

```

gen imm1list_phase1NY = ""
foreach v in imm1 imm4 imm6 imm7 imm8 imm9 {
    replace imm1list_phase1NY = "`v'" if `v' == 1 & phase1_st_ny == 1
}

gen mmlist_phase1NY = ""
foreach v of varlist mmb4 - mmoth {
    replace mmlist_phase1NY = "`v'" if `v' == 1 & phase1_st_ny == 1
}

***phase 1 no ny
gen imm1list_phase1NONY = ""
foreach v in imm1 imm3 imm4 imm5 {
    replace imm1list_phase1NONY = "`v'" if `v' == 1 & phase1_st_nony == 1
}

gen mmlist_phase1NONY = ""
foreach v of varlist mmb4 - mmoth {
    replace mmlist_phase1NONY = "`v'" if `v' == 1 & phase1_st_nony == 1
}

***phase 2
gen imm1list_phase2 = ""
foreach v of varlist imm10-imm20 {
    replace imm1list_phase2 = "`v'" if `v' == 1 & phase2_st == 1
}

gen mmlist_phase2 = ""
foreach v of varlist mmb4 - mmoth {
    replace mmlist_phase2 = "`v'" if `v' == 1 & phase2_st == 1
}

***phase 3
gen imm1list_phase3 = ""
foreach v of varlist imm21-imm31 {
    replace imm1list_phase3 = "`v'" if `v' == 1 & phase3_st == 1
}

gen mmlist_phase3 = ""
foreach v of varlist mmb4 - mmoth {
    replace mmlist_phase3 = "`v'" if `v' == 1 & phase3_st == 1
}

*** with missing values
set line 180
tab mmlist_phase1NY imm1list_phase1NY if phase1_st_ny == 1,m
tab mmlist_phase1NONY imm1list_phase1NONY if phase1_st_nony == 1,m
tab mmlist_phase2 imm1list_phase2 if phase2_st == 1,m
tab mmlist_phase3 imm1list_phase3 if phase3_st == 1,m

***months from ticket selection date to imm
generate imm_date = mofd(d(1feb2002)) if imm1 == 1
replace imm_date = mofd(d(1mar2002)) if imm2 == 1
replace imm_date = mofd(d(1apr2002)) if imm3 == 1
replace imm_date = mofd(d(1may2002)) if imm4 == 1
replace imm_date = mofd(d(1jun2002)) if imm5 == 1
replace imm_date = mofd(d(1jul2002)) if imm6 == 1
replace imm_date = mofd(d(1aug2002)) if imm7 == 1
replace imm_date = mofd(d(1sep2002)) if imm8 == 1
replace imm_date = mofd(d(1oct2002)) if imm9 == 1
replace imm_date = mofd(d(1nov2002)) if imm10 == 1

```

```

replace imm_date = mofd(d(1dec2002)) if imm11 == 1
replace imm_date = mofd(d(1jan2003)) if imm12 == 1
replace imm_date = mofd(d(1feb2003)) if imm13 == 1
replace imm_date = mofd(d(1mar2003)) if imm14 == 1
replace imm_date = mofd(d(1apr2003)) if imm15 == 1
replace imm_date = mofd(d(1may2003)) if imm16 == 1
replace imm_date = mofd(d(1jun2003)) if imm17 == 1
replace imm_date = mofd(d(1jul2003)) if imm18 == 1
replace imm_date = mofd(d(1aug2003)) if imm19 == 1
replace imm_date = mofd(d(1sep2003)) if imm20 == 1
replace imm_date = mofd(d(1nov2003)) if imm21 == 1
replace imm_date = mofd(d(1dec2003)) if imm22 == 1
replace imm_date = mofd(d(1jan2004)) if imm23 == 1
replace imm_date = mofd(d(1feb2004)) if imm24 == 1
replace imm_date = mofd(d(1mar2004)) if imm25 == 1
replace imm_date = mofd(d(1apr2004)) if imm26 == 1
replace imm_date = mofd(d(1may2004)) if imm27 == 1
replace imm_date = mofd(d(1jun2004)) if imm28 == 1
replace imm_date = mofd(d(1jul2004)) if imm29 == 1
replace imm_date = mofd(d(1aug2004)) if imm30 == 1
replace imm_date = mofd(d(1sep2004)) if imm31 == 1

gen motoimm = imm_date - mofd(rd1_tktsltddt)
gen motoimmsq = motoimm*motoimm
gen motoimmcb = motoimm*motoimm*motoimm

drop imm_date

/*

***intended mail month variables based on terminal digit and rd1_tktsltddt
***generate terminal digit of ssn
gen str1 ssn9 = substr(ssn,9,1)

***ny phase dummy
gen byte phaselny = (phase == 1 & awardst == "NY")
gen byte phasenotny = (phase == 1 & awardst != "NY")
tablist phase phaselny phasenotny

***phase 1
generate byte imm1 = (inlist(ssn9,"1") & rd1_tktsltddt == td(12jan2002))
generate byte imm2 = 0
generate byte imm3 = (inlist(ssn9,"2","3") & rd1_tktsltddt ==
td(12jan2002) & phasenotny == 1)
generate byte imm4 = (inlist(ssn9,"4","5","6") & rd1_tktsltddt ==
td(12jan2002) & phasenotny == 1)
replace imm4 = 1 if (inlist(ssn9,"2") & rd1_tktsltddt ==
td(12jan2002) & phaselny == 1)
generate byte imm5 = (inlist(ssn9,"7","8","9","0") & rd1_tktsltddt ==
td(12jan2002) & phasenotny == 1)
generate byte imm6 = (inlist(ssn9,"3","4") & rd1_tktsltddt ==
td(12jan2002) & phaselny == 1)
generate byte imm7 = (inlist(ssn9,"5","6") & rd1_tktsltddt ==
td(12jan2002) & phaselny == 1)
generate byte imm8 = (inlist(ssn9,"7","8") & rd1_tktsltddt ==
td(12jan2002) & phaselny == 1)
generate byte imm9 = (inlist(ssn9,"9","0") & rd1_tktsltddt ==
td(12jan2002) & phaselny == 1)
generate byte imm10 = (inlist(ssn9,"1") & rd1_tktsltddt ==
td(26oct2002))
generate byte imm11 = 0
generate byte imm12 = (inlist(ssn9,"2") & rd1_tktsltddt ==
td(26oct2002))

```

```

generate byte imm13 = (inlist(ssn9,"3")           & rdl_tktsltdt ==
td(26oct2002))
generate byte imm14 = (inlist(ssn9,"4")           & rdl_tktsltdt ==
td(26oct2002))
generate byte imm15 = (inlist(ssn9,"5")           & rdl_tktsltdt ==
td(26oct2002))
generate byte imm16 = (inlist(ssn9,"6")           & rdl_tktsltdt ==
td(26oct2002))
generate byte imm17 = (inlist(ssn9,"7")           & rdl_tktsltdt ==
td(26oct2002))
generate byte imm18 = (inlist(ssn9,"8")           & rdl_tktsltdt ==
td(26oct2002))
generate byte imm19 = (inlist(ssn9,"9")           & rdl_tktsltdt ==
td(26oct2002))
generate byte imm20 = (inlist(ssn9,"0")           & rdl_tktsltdt ==
td(26oct2002))
generate byte imm21 = (inlist(ssn9,"1")           & rdl_tktsltdt ==
td(18oct2003))
generate byte imm22 = 0
generate byte imm23 = (inlist(ssn9,"2")           & rdl_tktsltdt ==
td(18oct2003))
generate byte imm24 = (inlist(ssn9,"3")           & rdl_tktsltdt ==
td(18oct2003))
generate byte imm25 = (inlist(ssn9,"4")           & rdl_tktsltdt ==
td(18oct2003))
generate byte imm26 = (inlist(ssn9,"5")           & rdl_tktsltdt ==
td(18oct2003))
generate byte imm27 = (inlist(ssn9,"6")           & rdl_tktsltdt ==
td(18oct2003))
generate byte imm28 = (inlist(ssn9,"7")           & rdl_tktsltdt ==
td(18oct2003))
generate byte imm29 = (inlist(ssn9,"8")           & rdl_tktsltdt ==
td(18oct2003))
generate byte imm30 = (inlist(ssn9,"9")           & rdl_tktsltdt ==
td(18oct2003))
generate byte imm31 = (inlist(ssn9,"0")           & rdl_tktsltdt ==
td(18oct2003))

***crosstabulations of IMM and MM
***phase 1 NY
gen imm1list_phase1NY = "imm1" if imm1 == 1
foreach v in imm4 imm6 imm7 imm8 imm9 {
  replace imm1list_phase1NY = "`v'" if `v' == 1 & phase == 1 & awardst == "NY"
}

gen mmlist_phase1NY = "mm1" if mm1 == 1
foreach v in mm4 mm6 mm7 mm8 mm9 {
  replace mmlist_phase1NY = "`v'" if `v' == 1 & phase == 1 & awardst == "NY"
}

***phase 1 no ny
gen imm1list_phase1NONY = "imm1" if imm1 == 1
foreach v in imm3 imm4 imm5 {
  replace imm1list_phase1NONY = "`v'" if `v' == 1 & phase == 1 & awardst != "NY"
}

gen mmlist_phase1NONY = "mm1" if mm1 == 1
foreach v in mm3 mm4 mm5 {
  replace mmlist_phase1NONY = "`v'" if `v' == 1 & phase == 1 & awardst != "NY"
}

***phase 2
gen imm1list_phase2 = "imm10" if imm10 == 1

```

```

foreach v of varlist imm11-imm20 {
    replace imm1list_phase2 = "`v'" if `v' == 1 & phase == 2
}

gen mmlist_phase2 = "mm10" if mm10 == 1
foreach v of varlist mm11-mm20 {
    replace mmlist_phase2 = "`v'" if `v' == 1 & phase == 2
}

***phase 3
gen imm1list_phase3 = "imm21" if imm21 == 1
foreach v of varlist imm22-imm31 {
    replace imm1list_phase3 = "`v'" if `v' == 1 & phase == 3
}

gen mmlist_phase3 = "mm21" if mm21 == 1
foreach v of varlist mm22-mm31 {
    replace mmlist_phase3 = "`v'" if `v' == 1 & phase == 3
}

*** with missing values
set line 160
tab imm1list_phase1NY mmlist_phase1NY,m
tab imm1list_phase1NONY mmlist_phase1NONY,m
tab imm1list_phase2 mmlist_phase2,m
tab imm1list_phase3 mmlist_phase3,m

*** with missing values
set line 160
tab imm1list_phase1NY mmlist_phase1NY if phase == 1 & awardst == "NY",m
tab imm1list_phase1NONY mmlist_phase1NONY if phase == 1 & awardst != "NY",m
tab imm1list_phase2 mmlist_phase2 if phase == 2,m
tab imm1list_phase3 mmlist_phase3 if phase == 3,m

drop ssn9 phaselny phasenotny

*/

***dummy variables indicating state of residence ticket selection date
tab tsd_state, mis
replace tsd_state = "ZZ" if (tsd_state=="."|tsd_state=="")
tab tsd_state,g(tsd_state)

***dummy variables for pdcgroup
tab pdcgroup,g(pdcgroup)

***dummy variables for cohort
foreach n of numlist 1999(1)2005 {
    gen cohort`n' = (cohort == `n')
    label var cohort`n' `"'cohort = `n'"'
}
*

***number of months from the month before the rollout to the ticket mail date for 48
months

```

```

***the ticket must have been mailed on or after the rollout month
***phase 1
generate spell1 = mofd(frstmldt) - mofd(td(1feb2002))+1 if phase == 1 ///
                  & mofd(frstmldt) - mofd(td(1feb2002))+1 <=48          ///
                  & mofd(frstmldt)>= mofd(td(1jan2002))

***this corrects people incorrectly marked with a first mail date of January 2002.
replace spell1 = 1 if mofd(frstmldt)== mofd(td(1jan2002)) & phase == 1

***phase 2
replace spell1 = mofd(frstmldt) - mofd(td(1nov2002))+1 if phase == 2 ///
                  & mofd(frstmldt) - mofd(td(1nov2002))+1 <=48          ///
                  & mofd(frstmldt)>= mofd(td(1oct2002))

***this corrects people incorrectly marked with a first mail date of October 2002.
replace spell1 = 1 if mofd(frstmldt)== mofd(td(1oct2002)) & phase == 2

***phase 3
replace spell1 = mofd(frstmldt) - mofd(td(1nov2003))+1 if phase == 3 ///
                  & mofd(frstmldt) - mofd(td(1nov2003))+1 <=48          ///
                  & mofd(frstmldt)>= mofd(td(1nov2003))

tab spell1 phase,m

***monthly state unemployment rates based on ticket selection state
***convert the dataset to a wide dataset to merge by state
***save full dataset
tempfile full
save `full'

***insheet monthly unemployment rates
insheet using "`monthly'",clear

***drop years before 1999
drop if year < 1999 | year > 2004

***rename variables for reshape
rename jan    m1y
rename feb    m2y
rename mar    m3y
rename apr    m4y
rename may    m5y
rename jun    m6y
rename jul    m7y
rename aug    m8y
rename sep    m9y
rename oct    m10y
rename nov    m11y
rename dec    m12y
rename postalcode tsd_state

***reshape wide
reshape wide m1y - m12y, i(tsd_state) j(year)

***save unemployment information
compress
tempfile unemploy
save `unemploy'

***load full dataset

```



```

use `full`, clear

***merge in unemployment data
merge m:1 tsd_state using `unemploy'

tab tsd_state if _merge == 1
***drop merge variable
drop _merge

***generate terminal digit of ssn
generate str1 ssn9 = substr(ssn,9,1)

***phase 1
generate imm_month = 1 if (inlist(ssn9,"1") & (phase1_st_nony == 1 | phase1_st_ny == 1))
replace imm_month = 3 if (inlist(ssn9,"2","3") & phase1_st_nony == 1)
replace imm_month = 4 if (inlist(ssn9,"4","5","6") & phase1_st_nony == 1)
replace imm_month = 4 if (inlist(ssn9,"2") & phase1_st_ny == 1)
replace imm_month = 5 if (inlist(ssn9,"7","8","9","0") & phase1_st_nony == 1)
replace imm_month = 6 if (inlist(ssn9,"3","4") & phase1_st_ny == 1)
replace imm_month = 7 if (inlist(ssn9,"5","6") & phase1_st_ny == 1)
replace imm_month = 8 if (inlist(ssn9,"7","8") & phase1_st_ny == 1)
replace imm_month = 9 if (inlist(ssn9,"9","0") & phase1_st_ny == 1)

***phase 2
replace imm_month = 10 if (inlist(ssn9,"1") & phase2_st == 1)
replace imm_month = 12 if (inlist(ssn9,"2") & phase2_st == 1)
replace imm_month = 13 if (inlist(ssn9,"3") & phase2_st == 1)
replace imm_month = 14 if (inlist(ssn9,"4") & phase2_st == 1)
replace imm_month = 15 if (inlist(ssn9,"5") & phase2_st == 1)
replace imm_month = 16 if (inlist(ssn9,"6") & phase2_st == 1)
replace imm_month = 17 if (inlist(ssn9,"7") & phase2_st == 1)
replace imm_month = 18 if (inlist(ssn9,"8") & phase2_st == 1)
replace imm_month = 19 if (inlist(ssn9,"9") & phase2_st == 1)
replace imm_month = 20 if (inlist(ssn9,"0") & phase2_st == 1)

***phase 3
replace imm_month = 21 if (inlist(ssn9,"1") & phase3_st == 1)
replace imm_month = 23 if (inlist(ssn9,"2") & phase3_st == 1)
replace imm_month = 24 if (inlist(ssn9,"3") & phase3_st == 1)
replace imm_month = 25 if (inlist(ssn9,"4") & phase3_st == 1)
replace imm_month = 26 if (inlist(ssn9,"5") & phase3_st == 1)
replace imm_month = 27 if (inlist(ssn9,"6") & phase3_st == 1)
replace imm_month = 28 if (inlist(ssn9,"7") & phase3_st == 1)
replace imm_month = 29 if (inlist(ssn9,"8") & phase3_st == 1)
replace imm_month = 30 if (inlist(ssn9,"9") & phase3_st == 1)
replace imm_month = 31 if (inlist(ssn9,"0") & phase3_st == 1)

drop ssn9

***change in unemployment-three months after minus two months before (6 month span)
generate tsd_unemp_cng = m5y2002-m12y2001 if imm_month == 1
replace tsd_unemp_cng = m7y2002-m2y2002 if imm_month == 3
replace tsd_unemp_cng = m8y2002-m3y2002 if imm_month == 4
replace tsd_unemp_cng = m9y2002-m4y2002 if imm_month == 5
replace tsd_unemp_cng = m10y2002-m5y2002 if imm_month == 6
replace tsd_unemp_cng = m11y2002-m6y2002 if imm_month == 7
replace tsd_unemp_cng = m12y2002-m7y2002 if imm_month == 8
replace tsd_unemp_cng = m1y2003-m8y2002 if imm_month == 9
replace tsd_unemp_cng = m2y2003-m9y2002 if imm_month == 10
replace tsd_unemp_cng = m4y2003-m11y2002 if imm_month == 12
replace tsd_unemp_cng = m5y2003-m12y2002 if imm_month == 13

```

```

replace tsd_unemp_cng = m6y2003-m1y2003 if imm_month == 14
replace tsd_unemp_cng = m7y2003-m2y2003 if imm_month == 15
replace tsd_unemp_cng = m8y2003-m3y2003 if imm_month == 16
replace tsd_unemp_cng = m9y2003-m4y2003 if imm_month == 17
replace tsd_unemp_cng = m10y2003-m5y2003 if imm_month == 18
replace tsd_unemp_cng = m11y2003-m6y2003 if imm_month == 19
replace tsd_unemp_cng = m12y2003-m7y2003 if imm_month == 20
replace tsd_unemp_cng = m2y2004-m9y2003 if imm_month == 21
replace tsd_unemp_cng = m4y2004-m11y2003 if imm_month == 23
replace tsd_unemp_cng = m5y2004-m12y2003 if imm_month == 24
replace tsd_unemp_cng = m6y2004-m1y2004 if imm_month == 25
replace tsd_unemp_cng = m7y2004-m2y2004 if imm_month == 26
replace tsd_unemp_cng = m8y2004-m3y2004 if imm_month == 27
replace tsd_unemp_cng = m9y2004-m4y2004 if imm_month == 28
replace tsd_unemp_cng = m10y2004-m5y2004 if imm_month == 29
replace tsd_unemp_cng = m11y2004-m6y2004 if imm_month == 30
replace tsd_unemp_cng = m12y2004-m7y2004 if imm_month == 31

```

```

egen temp1=rowmean(m12y2001-m5y2002) if imm_month == 1
egen temp2=rowmean(m2y2002-m7y2002) if imm_month == 3
egen temp3=rowmean(m3y2002-m8y2002) if imm_month == 4
egen temp4=rowmean(m4y2002-m9y2002) if imm_month == 5
egen temp5=rowmean(m5y2002-m10y2002) if imm_month == 6
egen temp6=rowmean(m6y2002-m11y2002) if imm_month == 7
egen temp7=rowmean(m7y2002-m12y2002) if imm_month == 8
egen temp8=rowmean(m8y2002-m1y2003) if imm_month == 9
egen temp9=rowmean(m9y2002-m2y2003) if imm_month == 10
egen temp10=rowmean(m11y2002-m4y2003) if imm_month == 12
egen temp11=rowmean(m12y2002-m5y2003) if imm_month == 13
egen temp12=rowmean(m1y2003-m6y2003) if imm_month == 14
egen temp13=rowmean(m2y2003-m7y2003) if imm_month == 15
egen temp14=rowmean(m3y2003-m8y2003) if imm_month == 16
egen temp15=rowmean(m4y2003-m9y2003) if imm_month == 17
egen temp16=rowmean(m5y2003-m10y2003) if imm_month == 18
egen temp17=rowmean(m6y2003-m11y2003) if imm_month == 19
egen temp18=rowmean(m7y2003-m12y2003) if imm_month == 20
egen temp19=rowmean(m9y2003-m2y2004) if imm_month == 21
egen temp20=rowmean(m11y2003-m4y2004) if imm_month == 23
egen temp21=rowmean(m12y2003-m5y2004) if imm_month == 24
egen temp22=rowmean(m1y2004-m6y2004) if imm_month == 25
egen temp23=rowmean(m2y2004-m7y2004) if imm_month == 26
egen temp24=rowmean(m3y2004-m8y2004) if imm_month == 27
egen temp25=rowmean(m4y2004-m9y2004) if imm_month == 28
egen temp26=rowmean(m5y2004-m10y2004) if imm_month == 29
egen temp27=rowmean(m6y2004-m11y2004) if imm_month == 30
egen temp28=rowmean(m7y2004-m12y2004) if imm_month == 31

```

```

gen tsd_unemp_mean= .
foreach v of numlist 1/28 {
    replace tsd_unemp_mean = temp`v' if temp`v' != .
    drop temp`v'
}
*

```

```
drop m1y1999-m12y2004
```

```

***number of months between DI award and selection date
gen diaward_tsd = mofd(rd1_tktsltdt)- mofd(awarddate)
label var diaward_tsd "months from DI award to tkt select date"

```

```

gen diaward_tsd_neg = (diaward_tsd < 0)
label var diaward_tsd_neg "award date"

```

```
replace diaward_tsd = 0 if diaward_tsd_neg
```

```

***missing ticket mail date
gen frstmailmiss = (mi(frstmldt))

***cohort 1999-20003 & frst mail after 30 sept 2004
gen frstmllaftsep04 = (inlist(cohort,1999,2000,2001,2002,2003,2004) &
frstmldt>td(30sep2004) & !mi(frstmldt))
label var frstmllaftsep04 "cohort 1999-2004 & frst mail after 30 sept 2004"

***cohort 2004 & frst mail after 31 dec 2004
gen frstmllaftdec04 = (cohort==2004 & frstmldt>td(31dec2004) & !mi(frstmldt))
label var frstmllaftdec04 "cohort 2004 & frst mail after 31 dec 2004"

***Event variables
gen epeb4tkf_flag = (tkfb4ent ==1)
label var epeb4tkf_flag "tkfb4ent ==1"

***
gen epeb4twp_flag = (twpb4epe ==2)
label var epeb4twp_flag "twpb4epe ==2"

gen ldwb4twp_flag = (twpb4ldw ==2)
label var ldwb4twp_flag "twpb4ldw ==2"

gen ldwb4epe_flag = (epeb4ldw ==2|epeb4ldw==3)
label var ldwb4epe_flag "(epeb4ldw ==2|epeb4ldw==3)"

gen twpb4tsd = (twpsttd < rd1_tktsltddt)
gen epeb4tsd = (epesttd < rd1_tktsltddt)
gen ldwb4tsd = (ldwsttd < rd1_tktsltddt)

foreach v of varlist twpb4tsd epeb4tsd ldwb4tsd epeb4twp_flag ldwb4twp_flag
ldwb4epe_flag {
  tablist rd1_tktsltddt phase1_st_ny `v' ,sort(v) ab(30)
}
*

foreach e of var ldwroll48 eperoll48 twproll48 srvroll48 {
  gen `e'_miss = (mi(`v'))
  sum `e', meanonly
  replace `e' = r(mean) if mi(`e')
}
*

***missing male flag and fill in missings with mean
gen gendermiss_flag = (male == .n)
sum male,meanonly
replace male = r(mean) if mi(male)

***replace missing doage2 values with mean if missing
gen doage2miss_flag = (doage2==.)
sum doage, meanonly
replace doage2 = r(mean) if mi(doage2)

***flag if territory or missing state
gen tsd_tr = (tsd_state == "TR" | tsd_state == "" | tsd_state == ".n")

***make state dummies
replace tsd_state = "ZZ" if (tsd_state == ".n"|tsd_state=="")
levelsof tsd_state, local(states)

```

```

foreach v of local states{
    gen byte st_`v' = (tsd_state == "`v'")
}
*

***pia and ime miss
gen pia_miss = (mi(pial))
replace pial = 0 if pial == .

gen ime_miss = (mi(ime1))
replace ime1 = 0 if ime1 == .

***award before tkt select
gen award_b4_tsd = (awarddate > rd1_tktsltdt & !mi(awarddate))

***tsd_vrpr
gen tsd_vrpr_miss = (mi(tsd_vrpr))
replace tsd_vrpr = 0 if mi(tsd_vrpr)

***tsd_medicare
gen tsd_medicare_miss = (mi(tsd_medicare))
sum tsd_medicare,meanonly
replace tsd_medicare = r(mean) if mi(tsd_medicare)

***saving Stata
compress
sort ssn
isid ssn
save "`outpath'",replace

capture log close

```

3. Program Codes to Select Analysis Sample for the TTW Impact Analysis

```
capture log close
clear all
cd "N:\Secure_Data-DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\"
log using ".\data\RestrictSample.txt", text replace

set mem 1200m

/*=====
                    mathematica header

project:      08977 TTW Impact Analysis
program:      RestrictSample.do

purpose: Restrict the sample

=====*/

***local for input path
local input   "N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Data\OutputFolder\LPMDData"
local outstata "N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Data\OutputFolder\LPMRestrict
edStata"

***load dataset
use "`input'",clear

tab rd1_tktsltdt if (awarddate < td(1jul1999) | awarddate >= td(1jan2005))

***Select analysis sample (code from firstmaildate_121511.log line 1006)
drop if (awarddate < td(1jul1999) | awarddate >= td(1jan2005))

tab rd1_tktsltdt if (ssiatawd ==1 | ssibfrawd==1)
drop if (ssiatawd ==1 | ssibfrawd==1)

tab rd1_tktsltdt

tab rd1_tktsltdt if award_b4_tsd == 1

*** with missing values
set line 250
tab mmlist_phase1NY immmlist_phase1NY if phase1_st_ny == 1,m
tab mmlist_phase1NONY immmlist_phase1NONY if phase1_st_nony == 1,m
tab mmlist_phase2 immmlist_phase2 if phase2_st == 1,m
tab mmlist_phase3 immmlist_phase3 if phase3_st == 1,m

***saving Stata
save `outstata',replace

capture log close
```

4. Program Codes for Linear Probability Models with Discrete IMM Indicators

```
capture log close _all
clear all
cd "N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\"
log using ".\LPM_ModelA.txt", text replace

/*=====
                                mathematica header

    project:      08977 TTW Impact Analysis
    program:      BinaryOutcomeOLS.do

=====*/

***local for input path
local input "N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Data\OutputFolder\LPMRestrict
edStata"
local path "N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA"

***load data
use "`input'",clear

***create normalized mail months
***phase 1 NY
foreach v in imm1 imm4 imm6 imm7 imm8 {
    gen `v'_adj_ny = `v' - imm9
}
*

***phase 1 No NY
foreach v in imm1 imm3 imm4 {
    gen `v'_adj = `v' - imm5
}
*

***phase 2
foreach v in imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19 {
    gen `v'_adj = `v' - imm20
}
*

***phase 3
foreach v in imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30 {
    gen `v'_adj = `v' - imm31
}
*

***local macro for covariates
local unemp      /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
                doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis ///
                tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
                tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
                tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
                /*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
///
```

```

award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
st_AL-st_TN st_TX-st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss
ime1 ime_miss

local nounemp /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis ///
tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
/*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
///
award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
st_AL-st_TN st_TX-st_WY pial pia_miss ime1 ime_miss

local unempny /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis ///
tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
/*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
///
award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
/*st_AL-st_TN st_TX-st_WY*/ tsd_unemp_mean tsd_unemp_cng pial pia_miss
ime1 ime_miss

local nounempny /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis ///
tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
/*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
///
award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
/*st_AL-st_TN st_TX-st_WY*/ pial pia_miss ime1 ime_miss

***local for mail months
local phlny "imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny imm8_adj_ny "
local phlnony "imm1_adj imm3_adj imm4_adj "
local phase2 "imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj imm16_adj imm17_adj
imm18_adj imm19_adj "
local phase3 "imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj imm27_adj imm28_adj
imm29_adj imm30_adj "

***new local for macro with covariates
local enemplist unemp nounemp
local enemplistny unempny nounempny

***new local for macro with dependent variables
local depen ldwroll12 ldwroll24 ldwroll36 ldwroll48 ///
eperoll12 eperoll24 eperoll36 eperoll48 ///
twproll12 twproll24 twproll36 twproll48 ///
srvroll12 srvroll24 srvroll36 srvroll48 ///

```

nstw12 nstw24 nstw36 nstw48

```
foreach covar of local enemplistny {
    foreach v of local depen {
        ***phase 1 only NY
        regress `v' `phlny' ``covar'' if phase1_st_ny == 1, robust

        ***estimate last mail month
        lincom -(imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny +
imm8_adj_ny)

        local tstat=r(estimate)/r(se)
        local estimate = r(estimate)
        local se = r(se)

        ***estimate sum of mail months
        lincom imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny
+ `estimate'
        local estimate1 = r(estimate)

        ***F test
        test imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny imm8_adj_ny
        local joint_F = r(F)
        local joint_pvalue = r(p)

        test (imm1_adj_ny+imm4_adj_ny+imm6_adj_ny+imm7_adj_ny+imm8_adj_ny)=0
        local jointsum_F = r(F)
        local jointsum_pvalue = r(p)

        ***new test
        test (imm4_adj_ny - imm1_adj_ny)/3 = (imm6_adj_ny - imm4_adj_ny)/2 =
imm7_adj_ny - imm6_adj_ny = imm8_adj_ny - imm7_adj_ny
        local new_tst_F = r(F)
        local new_tst_pvalue = r(p)

        if "`v'" == "ldwroll12" {
            cap erase ``path'\LPM_PH1NY_`covar'.xls''
            cap erase ``path'\LPM_PH1NY_`covar'.txt''
        } /* close if loop */

        outreg2 using ``path'\LPM_PH1NY_`covar'.xls'', ///
keep( imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny imm8_adj_ny) nocons
///
        sideway stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen ///
addstat(imm9_adj_ny,`estimate',se,`se',tstat,`tstat', ///

joint_F,`joint_F',joint_pvalue,`joint_pvalue',jointsum_F,`jointsum_F',jointsum_pvalue
,`jointsum_pvalue',zero,`estimate1' ///
,new_tst_F, `new_tst_F',new_tst_pvalue, `new_tst_pvalue')
    } /* close loop for events */
}

foreach covar of local enemplist {
    foreach v of local depen {
        ***phase 1 NO NY
        regress `v' `phlnony' ``covar'' if phase1_st_nony == 1, vce(cluster
tsd_state)
```



```

***estimate last mail month
lincom -(imm1_adj + imm3_adj + imm4_adj)

local tstat=r(estimate)/r(se)
local estimate = r(estimate)
local se = r(se)

***estimate sum of mail months
lincom imm1_adj + imm3_adj + imm4_adj + `estimate'
local estimate1 = r(estimate)

***F test
test imm1_adj imm3_adj imm4_adj
local joint_F = r(F)
local joint_pvalue = r(p)

test (imm1_adj+imm3_adj+imm4_adj)=0
local jointsum_F = r(F)
local jointsum_pvalue = r(p)

***new test
test (imm3_adj - imm1_adj)/2 = imm4_adj - imm3_adj
local new_tst_F = r(F)
local new_tst_pvalue = r(p)

if "`v'" == "ldwroll12" {
    cap erase "`path'\LPM_PH1NONY_`covar'.xls"
    cap erase "`path'\LPM_PH1NONY_`covar'.txt"
}

outreg2 using "`path'\LPM_PH1NONY_`covar'.xls", ///
keep(imm1_adj imm3_adj imm4_adj) nocons sideways stats(coef se tstat) ///
bdec(4) sdec(3) tdec(2) noparen ///
addstat(imm5_adj_ny,`estimate', se,`se',tstat, `tstat', ///

joint_F,`joint_F',joint_pvalue,`joint_pvalue',jointsum_F,`jointsum_F',jointsum_pvalue
,`jointsum_pvalue',zero,`estimate1' ///
,new_tst_F, `new_tst_F',new_tst_pvalue, `new_tst_pvalue')
} /* close loop for events */

foreach v of local depen {
***phase 2
regress `v' `phase2' ``covar'' if phase2_st == 1, vce(cluster tsd_state)

***estimate last mail month
lincom -
(imm10_adj+imm12_adj+imm13_adj+imm14_adj+imm15_adj+imm16_adj+imm17_adj+imm18_adj+imm1
9_adj)

local tstat=r(estimate)/r(se)
local estimate = r(estimate)
local se = r(se)

***estimate sum of mail months
lincom
imm10_adj+imm12_adj+imm13_adj+imm14_adj+imm15_adj+imm16_adj+imm17_adj+imm18_adj+imm19
_adj + `estimate'
local estimate1 = r(estimate)

***F test

```

```

        test imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj imm16_adj imm17_adj
imm18_adj imm19_adj
        local joint_F = r(F)
        local joint_pvalue = r(p)

        test
(immm10_adj+imm12_adj+imm13_adj+imm14_adj+imm15_adj+imm16_adj+imm17_adj+imm18_adj+imm1
9_adj)=0
        local jointsum_F = r(F)
        local jointsum_pvalue = r(p)

        ***new test
        test (imm12_adj - imm10_adj)/2 = imm13_adj-imm12_adj=imm14_adj-imm13_adj= ///
            imm15_adj-imm14_adj=imm16_adj-imm15_adj=imm17_adj-imm16_adj=imm18_adj-
imm17_adj=imm19_adj-imm18_adj
        local new_tst_F = r(F)
        local new_tst_pvalue = r(p)

        if "`v'" == "ldwroll12" {
            cap erase "`path'\LPM_PH2_`covar'.xls"
            cap erase "`path'\LPM_PH2_`covar'.txt"
        }

        outreg2 using "`path'\LPM_PH2_`covar'.xls", ///
keep(imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj imm16_adj imm17_adj
imm18_adj imm19_adj) ///
nocons   sideway stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen ///
addstat(imm20_adj_ny,`estimate', se,`se',tstat, `tstat', ///

joint_F,`joint_F',joint_pvalue,`joint_pvalue',jointsum_F,`jointsum_F',jointsum_pvalue
,`jointsum_pvalue',zero,`estimate1' ///
        ,new_tst_F, `new_tst_F',new_tst_pvalue, `new_tst_pvalue')
} /* close loop for events */

foreach v of local depen {
    ***phase 3
    regress `v' `phase3' ``covar'' if phase3_st == 1, vce(cluster tsd_state)

    ***estimate last mail month
    lincom -
(immm21_adj+imm23_adj+imm24_adj+imm25_adj+imm26_adj+imm27_adj+imm28_adj+imm29_adj+imm3
0_adj)

        local tstat=r(estimate)/r(se)
        local estimate = r(estimate)
        local se = r(se)

        ***estimate sum of mail months
        lincom
imm21_adj+imm23_adj+imm24_adj+imm25_adj+imm26_adj+imm27_adj+imm28_adj+imm29_adj+imm30
_adj + `estimate'
        local estimate1 = r(estimate)

        test imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj imm27_adj imm28_adj
imm29_adj imm30_adj
        local joint_F = r(F)
        local joint_pvalue = r(p)

        test
(immm21_adj+imm23_adj+imm24_adj+imm25_adj+imm26_adj+imm27_adj+imm28_adj+imm29_adj+imm3
0_adj)=0

```

```

    local jointsum_F = r(F)
    local jointsum_pvalue = r(p)

    ***new test
    test (imm23_adj - imm21_adj)/2 = imm24_adj-imm23_adj=imm25_adj-imm24_adj ///
        =imm26_adj-imm25_adj=imm27_adj-imm26_adj=imm28_adj-imm27_adj=imm29_adj-
imm28_adj=imm30_adj-imm29_adj
    local new_tst_F = r(F)
    local new_tst_pvalue = r(p)

    if "`v'" == "ldwroll12" {
        cap erase `"path'\LPM_PH3_`covar'.xls"
        cap erase `"path'\LPM_PH3_`covar'.txt"
    }

    outreg2 using `"path'\LPM_PH3_`covar'.xls", ///
    keep(imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj imm27_adj imm28_adj
imm29_adj imm30_adj) ///
    nocons   sideways stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen ///
    addstat(imm31_adj_ny,`estimate', se,`se',tstat, `tstat', ///

joint_F,`joint_F',joint_pvalue,`joint_pvalue',jointsum_F,`jointsum_F',jointsum_pvalue
,`jointsum_pvalue',zero,`estimate1' ///
    ,new_tst_F, `new_tst_F',new_tst_pvalue, `new_tst_pvalue')

} /* close loop for events */
*

} /* close unemployment loop */
*

capture log close

```

5. Program Codes for Linear Probability Models with Continuous IMM Measure

```
capture log close _all
clear all
cd "N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\"
log using ".\LPM_ModelC.txt", text replace

/*=====
                                mathematica header

    project:      08977 TTW Impact Analysis
    program:      BinaryOutcomeOLS.do

=====*/

***local for input path
local input "N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Data\OutputFolder\LPMRestrict
edStata"
local path "N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC"

***load data
use "`input'",clear

***create interactions
foreach v of varlist motoimm motoimmsq motoimmb {
    gen int_`v' = phase2_st*`v'
}
*

***local macro for covariates
local unemp /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis ///
tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psb1 ///
tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
/*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
///
award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
st_AL-st_TN st_TX-st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss
ime1 ime_miss

local nounemp /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis ///
tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psb1 ///
tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
/*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
///
award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
st_AL-st_TN st_TX-st_WY pial pia_miss ime1 ime_miss

***local for mail months
```

```

local moto "motoimm"
local intmoto "int_motoimm"
*local moto "motoimm motoimmsq motoimmcb"
*local intmoto "int_motoimm int_motoimmsq int_motoimmcb"

***new local for macro with covariates
local enemplist unemp nounemp

***new local for macro with dependent variables
local depen ldwroll12 ldwroll24 ldwroll36 ldwroll48 ///
            eperoll12 eperoll24 eperoll36 eperoll48 ///
            twproll12 twproll24 twproll36 twproll48 ///
            srvroll12 srvroll24 srvroll36 srvroll48 ///
            nstw12 nstw24 nstw36 nstw48

foreach covar of local enemplist {

    foreach v of local depen {
        ***phase 1 only NY
        regress `v' `moto' ``covar' if phasel_st_ny == 1, robust
/*
        ***estimate last mail month
        lincom -(imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny +
imm8_adj_ny)

        local tstat=r(estimate)/r(se)
        local estimate = r(estimate)
        local se = r(se)
*/
        ***F test
        test motoimm
        local joint_F = r(F)
        local joint_pvalue = r(p)
/*
        test (motoimm+motoimmsq+motoimmcb)=0
        local jointsum_F = r(F)
        local jointsum_pvalue = r(p)
*/

        if "`v'" == "ldwroll12" {
            cap erase `"'`path'\LPM_PH1NY_`covar'.xls"'
            cap erase `"'`path'\LPM_PH1NY_`covar'.txt"'
        } /* close if loop */

        outreg2 using `"'`path'\LPM_PH1NY_`covar'.xls"', ///
keep( motoimm /*motoimmsq motoimmcb */) nocons sideways stats(coef se
tstat) ///
        bdec(4) sdec(3) tdec(2) noparen slow(100) ///
        addstat(joint_F,`joint_F',joint_pvalue,`joint_pvalue'
/*,jointsum_F,`jointsum_F',jointsum_pvalue,`jointsum_pvalue' */)
        } /* close loop for events */

    foreach v of local depen {
        ***phase 1 NO NY
        regress `v' `moto' ``covar' if phasel_st_nony == 1, vce(cluster tsd_state)
/*
        ***estimate last mail month
        lincom -(imm1_adj + imm3_adj + imm4_adj)

        local tstat=r(estimate)/r(se)
        local estimate = r(estimate)
        local se = r(se)
*/

```

```

***F test
test motoimm
local joint_F = r(F)
local joint_pvalue = r(p)
/*
test (motoimm+motoimmsq+motoimmcb)=0
local jointsum_F = r(F)
local jointsum_pvalue = r(p) */

if "`v'" == "ldwroll12" {
    cap erase "`path'\LPM_PH1NONY_`covar'.xls"
    cap erase "`path'\LPM_PH1NONY_`covar'.txt"
}

outreg2 using "`path'\LPM_PH1NONY_`covar'.xls", ///
keep( motoimm /*motoimmsq motoimmcb */) nocons sideways stats(coef se
tstat) ///
bdec(4) sdec(3) tdec(2) noparen slow(100) ///
addstat(joint_F,`joint_F',joint_pvalue,`joint_pvalue'
/*,jointsum_F,`jointsum_F',jointsum_pvalue,`jointsum_pvalue'*/)
} /* close loop for events */

foreach v of local depen {
    ***phase 2
    regress `v' `moto' ``covar'' if phase2_st == 1, vce(cluster tsd_state)
/*
    ***estimate last mail month
    lincom -
(immm10_adj+immm12_adj+immm13_adj+immm14_adj+immm15_adj+immm16_adj+immm17_adj+immm18_adj+immm1
9_adj)

    local tstat=r(estimate)/r(se)
    local estimate = r(estimate)
    local se = r(se)
*/
    ***F test
    test motoimm
    local joint_F = r(F)
    local joint_pvalue = r(p)
    /*
    test (motoimm+motoimmsq+motoimmcb)=0
    local jointsum_F = r(F)
    local jointsum_pvalue = r(p) */

    if "`v'" == "ldwroll12" {
        cap erase "`path'\LPM_PH2_`covar'.xls"
        cap erase "`path'\LPM_PH2_`covar'.txt"
    }

    outreg2 using "`path'\LPM_PH2_`covar'.xls", ///
keep( motoimm /*motoimmsq motoimmcb */) ///
nocons sideways stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen
slow(100) ///
addstat(joint_F,`joint_F',joint_pvalue,`joint_pvalue'
/*,jointsum_F,`jointsum_F',jointsum_pvalue,`jointsum_pvalue'*/)
} /* close loop for events */

foreach v of local depen {
    ***phase 3
    regress `v' `moto' ``covar'' if phase3_st == 1, vce(cluster tsd_state)
/*

```

```

        ***estimate last mail month
        lincom -
(immm21_adj+immm23_adj+immm24_adj+immm25_adj+immm26_adj+immm27_adj+immm28_adj+immm29_adj+immm30_adj)

        local tstat=r(estimate)/r(se)
        local estimate = r(estimate)
        local se = r(se)
*/
*** F test
test motoimm
local joint_F = r(F)
local joint_pvalue = r(p)
/*
test (motoimm+motoimmsq+motoimmcb)=0
local jointsum_F = r(F)
local jointsum_pvalue = r(p) */

if "`v'" == "ldwroll12" {
    cap erase `"'path'\LPM_PH3_`covar'.xls"'
    cap erase `"'path'\LPM_PH3_`covar'.txt"'
}

outreg2 using `"'path'\LPM_PH3_`covar'.xls"', ///
keep( motoimm /*motoimmsq motoimmcb */) ///
nocons   sideways stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen
slow(100) ///
addstat(joint_F,`joint_F',joint_pvalue,`joint_pvalue'
/*,jointsum_F,`jointsum_F',jointsum_pvalue,`jointsum_pvalue' */)
} /* close loop for events */
*

foreach v of local depen {
    ***phase 2 & phase 3
    regress `v' `moto' `covar' phase2_st if phase3_st == 1 | phase2_st == 1,
vce(cluster tsd_state)

    *** F test
    test motoimm
    local joint_F = r(F)
    local joint_pvalue = r(p)
    /*
    test (motoimm+motoimmsq+motoimmcb)=0
    local jointsum_F = r(F)
    local jointsum_pvalue = r(p) */

    if "`v'" == "ldwroll12" {
        cap erase `"'path'\LPM_PH2_PH3_`covar'.xls"'
        cap erase `"'path'\LPM_PH2_PH3_`covar'.txt"'
    }

    outreg2 using `"'path'\LPM_PH2_PH3_`covar'.xls"', ///
    keep( motoimm motoimmsq motoimmcb phase2_st) ///
    nocons   sideways stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen
    slow(100) ///
    addstat(joint_F,`joint_F',joint_pvalue,`joint_pvalue'
/*,jointsum_F,`jointsum_F',jointsum_pvalue,`jointsum_pvalue' */)
    } /* close loop for events */

foreach v of local depen {
    ***phase 2 & phase 3 with interaction
    regress `v' `moto' `intmoto' `covar' phase2_st if phase3_st == 1 |
phase2_st == 1, vce(cluster tsd_state)

```

```

*** F test
test motoimm
local joint_F = r(F)
local joint_pvalue = r(p)
/*
test (motoimm+motoimmsq+motoimmcb)=0
local jointsum_F = r(F)
local jointsum_pvalue = r(p) */

if "`v'" == "ldwroll12" {
    cap erase `"`path'\LPM_PH2_PH3_interact_`covar'.xls"'
    cap erase `"`path'\LPM_PH2_PH3_interact_`covar'.txt"'
}

outreg2 using `"`path'\LPM_PH2_PH3_interact_`covar'.xls"', ///
keep( motoimm motoimmsq motoimmcb phase2_st int_motoimm int_motoimmsq
int_motoimmcb) ///
nocons sideways stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen
slow(100) ///
addstat(joint_F,`joint_F',joint_pvalue,`joint_pvalue'
/*,jointsum_F,`jointsum_F',jointsum_pvalue,`jointsum_pvalue'*/)
} /* close loop for events */

} /* close unemployment loop */
*

capture log close

```


6. Program Codes for Instrumental Variables Models with Discrete MM Indicators

```
capture log close _all
*clear all
cd "N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\"
log using ".\IV_ModelD.txt", text replace

/*=====
                    mathematica header

    project:      08977 TTW Impact Analysis
    program:      IV_ModelD.do

=====*/

***local for input path
local input "N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Data\OutputFolder\LPMRestrict
ctedStata"
local path "N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD"

***load data
use "`input'",clear

***Currently records with a missing first mail date have zeros for all of their MM.
***If a record is missing a first mail date then I am going to mark their MM dummy
variable
***with a 1 in the month of their IMM
foreach n of numlist 1(1)31 {
    replace mm`n' = 1 if imm_month == `n' & frstmailmiss == 1
}
*

***Recode records with a mail date after the phase to the last mail month
replace mm9  = 1 if phasel_st_ny == 1 & mmaft == 1
replace mm5  = 1 if phasel_st_nony == 1 & mmaft == 1
replace mm20 = 1 if phase2_st == 1 & mmaft == 1
replace mm31 = 1 if phase3_st == 1 & mmaft == 1

***create normalized intended mail months
***phase 1 NY
foreach v in imm1 imm4 imm6 imm7 imm8 {
    gen `v'_adj_ny = `v' - imm9
}
*

***phase 1 No NY
foreach v in imm1 imm3 imm4 {
    gen `v'_adj = `v' - imm5
}
*

***phase 2
foreach v in imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19 {
```

```

    gen `v'_adj = `v' - imm20
  }
*

***phase 3
foreach v in imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30 {
  gen `v'_adj = `v' - imm31
}
*

***create normalized mail months
***phase 1 NY
foreach v in mm1 mm4 mm6 mm7 mm8 mmmisss mmaft{
  gen `v'_adj_ny = `v' - mm9
}
*

***phase 1 No NY
foreach v in mm1 mm3 mm4 {
  gen `v'_adj = `v' - mm5
}
*

***phase 2
foreach v in mm10 mm12 mm13 mm14 mm15 mm16 mm17 mm18 mm19 {
  gen `v'_adj = `v' - mm20
}
*

***phase 3
foreach v in mm21 mm23 mm24 mm25 mm26 mm27 mm28 mm29 mm30 {
  gen `v'_adj = `v' - mm31
}
*

***create pooled intended mail months
gen imm_pl1 = (imm10 == 1 | imm21 == 1)
gen imm_pl3 = (imm12 == 1 | imm23 == 1)
gen imm_pl4 = (imm13 == 1 | imm24 == 1)
gen imm_pl5 = (imm14 == 1 | imm25 == 1)
gen imm_pl6 = (imm15 == 1 | imm26 == 1)
gen imm_pl7 = (imm16 == 1 | imm27 == 1)
gen imm_pl8 = (imm17 == 1 | imm28 == 1)
gen imm_pl9 = (imm18 == 1 | imm29 == 1)
gen imm_pl10 = (imm19 == 1 | imm30 == 1)
gen imm_pl11 = (imm20 == 1 | imm31 == 1)

***create pooled mail months
gen mm_pl1 = (mm10 == 1 | mm21 == 1)
gen mm_pl3 = (mm12 == 1 | mm23 == 1)
gen mm_pl4 = (mm13 == 1 | mm24 == 1)
gen mm_pl5 = (mm14 == 1 | mm25 == 1)
gen mm_pl6 = (mm15 == 1 | mm26 == 1)
gen mm_pl7 = (mm16 == 1 | mm27 == 1)
gen mm_pl8 = (mm17 == 1 | mm28 == 1)
gen mm_pl9 = (mm18 == 1 | mm29 == 1)
gen mm_pl10 = (mm19 == 1 | mm30 == 1)
gen mm_pl11 = (mm20 == 1 | mm31 == 1)

***create normalized intended mail months
***phase 2 and phase 3 pooled

```

```

foreach v of varlist imm_pl1 - imm_pl10 {
  gen `v'_adj = `v' - imm_pl11
}
*

***created interacted versions of pooled imm
foreach v of varlist imm_pl1 - imm_pl11 {
  gen int_`v' = phase2_st*`v'
}
*

***create interacted adjusted versions of pooled imms
foreach v of varlist int_imm_pl1 - int_imm_pl10 {
  gen `v'_adj = `v' - int_imm_pl11
}
*

***create normalized mail months
***phase 2 and phase 3 pooled
foreach v of varlist mm_pl1 - mm_pl10 {
  gen `v'_adj = `v' - mm_pl11
}
*

***created interacted versions of pooled imm
foreach v of varlist mm_pl1 - mm_pl11 {
  gen int_`v' = phase2_st*`v'
}
*

***create interacted adjusted versions of pooled imms
foreach v of varlist int_mm_pl1 - int_mm_pl10 {
  gen `v'_adj = `v' - int_mm_pl11
}
*

***local macro for covariates
local unemp /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis ///
tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
/*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
///
award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
st_AL-st_TN st_TX-st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss
ime1 ime_miss

local nounemp /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis ///
tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
/*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
///

```

```

award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
st_AL-st_TN st_TX-st_WY pial pia_miss ime1 ime_miss

local nounempny /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis
///
tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
/*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003
cohort2004 ///
award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
/*st_AL-st_TN st_TX-st_WY tsd_unemp_mean tsd_unemp_cng*/ pial
pia_miss ime1 ime_miss

```

```

***local for imm mail months

```

```

local phlnyimm_adj "imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny imm8_adj_ny "
local phlnonyimm_adj "imm1_adj imm3_adj imm4_adj "
local phase2imm_adj "imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj imm16_adj
imm17_adj imm18_adj imm19_adj "
local phase3imm_adj "imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj imm27_adj
imm28_adj imm29_adj imm30_adj "

```

```

***local for mm mail months

```

```

local phlnymm_adj "mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny "
local phlnonymm_adj "mm1_adj mm3_adj mm4_adj "
local phase2mm_adj "mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj mm17_adj
mm18_adj mm19_adj "
local phase3mm_adj "mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj mm28_adj
mm29_adj mm30_adj "

```

```

***local for imm mail months

```

```

local phlnyimm "imm1_ny imm4_ny imm6_ny imm7_ny imm8_ny "
local phlnonyimm "imm1 imm3 imm4 "
local phase2imm "imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19 "
local phase3imm "imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30 "

```

```

***local for mm mail months

```

```

local phlnymm "mm1_ny mm4_ny mm6_ny mm7_ny mm8_ny "
local phlnonymm "mm1 mm3 mm4 "
local phase2mm "mm10 mm12 mm13 mm14 mm15 mm16 mm17 mm18 mm19 "
local phase3mm "mm21 mm23 mm24 mm25 mm26 mm27 mm28 mm29 mm30 "

```

```

***local for pooled intended mail months

```

```

local imm "imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj imm_pl6_adj
imm_pl7_adj imm_pl8_adj imm_pl9_adj imm_pl10_adj "
local int_imm "int_imm_pl1_adj int_imm_pl3_adj int_imm_pl4_adj int_imm_pl5_adj
int_imm_pl6_adj int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj int_imm_pl10_adj"

```

```

***local for pooled mail months

```

```

local mm "mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj mm_pl7_adj
mm_pl8_adj mm_pl9_adj mm_pl10_adj "
local int_mm "int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj int_mm_pl5_adj
int_mm_pl6_adj int_mm_pl7_adj int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj"

```

```

***new local for macro with covariates

```

```

local enemplist unemp nounemp

```

```

***new local for macro with dependent variables
local depen ldwroll12 ldwroll24 ldwroll36 ldwroll48 ///
            eperoll12 eperoll24 eperoll36 eperoll48 ///
            twproll12 twproll24 twproll36 twproll48 ///
            srvroll12 srvroll24 srvroll36 srvroll48 ///
            nstw12 nstw24 nstw36 nstw48

set line 200
/*
tablist `phlnyimm_adj' imm9 if phasel_st_ny ==1,sort(v) ab(30)
tablist `phlnyimm_adj' mm9 mmaft mmmisss mmoth if phasel_st_ny ==1,sort(v) ab(30)

reg ldwroll12 mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny `nounemp' if
phasel_st_ny ==1, robust
reg mm1_adj_ny imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny imm8_adj_ny if
phasel_st_ny ==1
*/

foreach v of local depen {
    di _n(2) as result as result `***Phase 1 NY*** dependent variable: `v',
unemployment: nounemp"
    ***phase 1 only NY
    ivreg2 `v' `nounempny' ( `phlnyimm_adj'= `phlnyimm_adj') if phasel_st_ny == 1,
ffirst partial(`nounempny') robust

    ***estimate last mail month
    lincom -(mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny)

    local tstat=r(estimate)/r(se)
    local estimate = r(estimate)
    local se = r(se)

    ***estimate sum of mail months
    lincom mm1_adj_ny+mm4_adj_ny+mm6_adj_ny+mm7_adj_ny+mm8_adj_ny+`estimate'
    local estimatel = r(estimate)

    ***new test
    test (mm4_adj_ny - mm1_adj_ny)/3 = (mm6_adj_ny - mm4_adj_ny)/2 = mm7_adj_ny -
mm6_adj_ny = mm8_adj_ny - mm7_adj_ny
    local new_tst_chi2 = r(chi2)
    local new_tst_pvalue = r(p)

    ***F test
    test mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny
    local joint_chi2 = r(chi2)
    local joint_pvalue = r(p)

    test (mm1_adj_ny+mm4_adj_ny+mm6_adj_ny+mm7_adj_ny+mm8_adj_ny)=0
    local jointsum_chi2 = r(chi2)
    local jointsum_pvalue = r(p)

    if "`v'" == "ldwroll12" {
        cap erase ``\path'\IV_PH1NY_nounempny.xls"
        cap erase ``\path'\IV_PH1NY_nounempny.txt"
    } /* close if loop */

    outreg2 using ``\path'\IV_PH1NY_nounempny.xls"', ///
keep( mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny) nocons sideways
stats(coef se tstat) ///
bdec(4) sdec(3) tdec(2) noparen ///

```

```

addstat(mm9_adj_ny,`estimate', se,`se',tstat, `tstat', ///

joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue',jointsum_chi2,`jointsum_chi2',
///
    jointsum_pvalue,`jointsum_pvalue',zero,`estimate1',new_tst_chi2,
`new_tst_chi2',new_tst_pvalue, `new_tst_pvalue')

} /* close loop for events */
*

foreach covar of local enemplist {
    foreach v of local depen {
        di _n(2) as result as result `***Phase 1 NO NY*** dependent variable: `v',
unemployment: `covar''
        ***phase 1 NO NY
        ivreg2 `v' ``covar'' (`ph1nonyimm_adj' = `ph1nonyimm_adj') if phasel_st_nony ==
1, cluster(tsd_state) first partial(`covar'')

        ***estimate last mail month
        lincom -(mm1_adj + mm3_adj + mm4_adj)

        local tstat=r(estimate)/r(se)
        local estimate = r(estimate)
        local se = r(se)

        ***estimate sum of mail months
        lincom mm1_adj+mm3_adj+mm4_adj+`estimate'
        local estimate1 = r(estimate)

        ***new test
        test (mm3_adj - mm1_adj)/2 = mm4_adj - mm3_adj
        local new_tst_chi2 = r(chi2)
        local new_tst_pvalue = r(p)

        ***F test
        test mm1_adj mm3_adj mm4_adj
        local joint_chi2 = r(chi2)
        local joint_pvalue = r(p)

        test (mm1_adj+mm3_adj+mm4_adj)=0
        local jointsum_chi2 = r(chi2)
        local jointsum_pvalue = r(p)

        if "`v'" == "ldwroll12" {
            cap erase "`path'\IV_PH1NONY_`covar'.xls''
            cap erase "`path'\IV_PH1NONY_`covar'.txt''
        }
        outreg2 using "`path'\IV_PH1NONY_`covar'.xls'', ///
keep(mm1_adj mm3_adj mm4_adj) nocons sideways stats(coef se tstat) ///
bdec(4) sdec(3) tdec(2) noparen ///
addstat(mm5_adj_ny,`estimate', se,`se',tstat, `tstat', ///

joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue',jointsum_chi2,`jointsum_chi2',
///
    jointsum_pvalue,`jointsum_pvalue',zero,`estimate1',new_tst_chi2,
`new_tst_chi2',new_tst_pvalue, `new_tst_pvalue')
    } /* close loop for events */

    foreach v of local depen {
        di _n(2) as result as result `***Phase 2*** dependent variable: `v',
unemployment: `covar''

```

```

    ***phase 2
    ivreg2 `v' ``covar' ( `phase2mm_adj' = `phase2imm_adj') if phase2_st == 1,
cluster(tsd_state) ffirst partial(``covar'')

    ***estimate last mail month
    lincom -
(mm10_adj+mm12_adj+mm13_adj+mm14_adj+mm15_adj+mm16_adj+mm17_adj+mm18_adj+mm19_adj)

    local tstat=r(estimate)/r(se)
    local estimate = r(estimate)
    local se = r(se)

    ***estimate sum of mail months
    lincom
mm10_adj+mm12_adj+mm13_adj+mm14_adj+mm15_adj+mm16_adj+mm17_adj+mm18_adj+mm19_adj+`est
imate'
    local estimate1 = r(estimate)

    ***new test
    test (mm12_adj - mm10_adj)/2 = mm13_adj-mm12_adj=mm14_adj-mm13_adj=mm15_adj-
mm14_adj=mm16_adj-mm15_adj=mm17_adj-mm16_adj=mm18_adj-mm17_adj=mm19_adj-mm18_adj
    local new_tst_chi2 = r(chi2)
    local new_tst_pvalue = r(p)

    ***F test
    test mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj mm17_adj mm18_adj
mm19_adj
    local joint_chi2 = r(chi2)
    local joint_pvalue = r(p)

    test
(mm10_adj+mm12_adj+mm13_adj+mm14_adj+mm15_adj+mm16_adj+mm17_adj+mm18_adj+mm19_adj)=0
    local jointsum_chi2 = r(chi2)
    local jointsum_pvalue = r(p)

    if "`v'" == "ldwroll12" {
        cap erase `"path'\IV_PH2_`covar'.xls"
        cap erase `"path'\IV_PH2_`covar'.txt"
    }

    outreg2 using `"path'\IV_PH2_`covar'.xls"', ///
keep(mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj mm17_adj mm18_adj
mm19_adj) ///
nocons sideways stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen ///
addstat(mm20_adj_ny,`estimate', se,`se',tstat, `tstat', ///

joint_chi2, `joint_chi2', joint_pvalue, `joint_pvalue', jointsum_chi2, `jointsum_chi2',
///
jointsum_pvalue, `jointsum_pvalue', zero, `estimate1', new_tst_chi2,
`new_tst_chi2', new_tst_pvalue, `new_tst_pvalue')

} /* close loop for events */

foreach v of local depen {
    di _n(2) as result as result `****Phase 3*** dependent variable: `v',
unemployment: `covar'""
    ***phase 3
    ivreg2 `v' ``covar' ( `phase3mm_adj' = `phase3imm_adj') if phase3_st == 1,
cluster(tsd_state) ffirst partial(``covar'')

    ***estimate last mail month

```

```

lincom -
(mm21_adj+mm23_adj+mm24_adj+mm25_adj+mm26_adj+mm27_adj+mm28_adj+mm29_adj+mm30_adj)

local tstat=r(estimate)/r(se)
local estimate = r(estimate)
local se = r(se)

***estimate sum of mail months
lincom
mm21_adj+mm23_adj+mm24_adj+mm25_adj+mm26_adj+mm27_adj+mm28_adj+mm29_adj+mm30_adj+`est
imate'
local estimate1 = r(estimate)

***new test
test (mm23_adj - mm21_adj)/2 = mm24_adj-mm23_adj=mm25_adj-mm24_adj=mm26_adj-
mm25_adj=mm27_adj-mm26_adj=mm28_adj-mm27_adj=mm29_adj-mm28_adj=mm30_adj-mm29_adj
local new_tst_chi2 = r(chi2)
local new_tst_pvalue = r(p)

***F test
test mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj mm28_adj mm29_adj
mm30_adj
local joint_chi2 = r(chi2)
local joint_pvalue = r(p)

test
(mm21_adj+mm23_adj+mm24_adj+mm25_adj+mm26_adj+mm27_adj+mm28_adj+mm29_adj+mm30_adj)=0
local jointsum_chi2 = r(chi2)
local jointsum_pvalue = r(p)

if "`v'" == "ldwroll12" {
cap erase "`path'\IV_PH3_`covar'.xls"
cap erase "`path'\IV_PH3_`covar'.txt"
}

outreg2 using "`path'\IV_PH3_`covar'.xls", ///
keep(mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj mm28_adj mm29_adj
mm30_adj) ///
nocons sideways stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen ///
addstat(mm31_adj_ny,`estimate', se,`se',tstat, `tstat', ///

joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue',jointsum_chi2,`jointsum_chi2',
///
jointsum_pvalue,`jointsum_pvalue',zero,`estimate1',new_tst_chi2,
`new_tst_chi2',new_tst_pvalue, `new_tst_pvalue')
} /* close loop for events */

foreach v of local depen {
di _n(2) as result `***phase 2 and Phase 3*** dependent variable:
`v', unemployment: `covar''

***phase 2 and phase 3
ivreg2 `v' ``covar'' phase2_st ( `mm' = `imm') if phase2_st == 1 | phase3_st
== 1 , cluster(tsd_state) ffirst partial(``covar'')

***estimate last mail month
lincom -
(mm_pl1_adj+mm_pl3_adj+mm_pl4_adj+mm_pl5_adj+mm_pl6_adj+mm_pl7_adj+mm_pl8_adj+mm_pl9_
adj+mm_pl10_adj)
local tstat1=r(estimate)/r(se)
local estimate1 = r(estimate)

```



```

local sel = r(se)

***estimate sum of mail months
lincom
mm_p11_adj+mm_p13_adj+mm_p14_adj+mm_p15_adj+mm_p16_adj+mm_p17_adj+mm_p18_adj+mm_p19_a
dj+mm_p110_adj+`estimate1'
local estimate2 = r(estimate)

***F test
test mm_p11_adj mm_p13_adj mm_p14_adj mm_p15_adj mm_p16_adj mm_p17_adj
mm_p18_adj mm_p19_adj mm_p110_adj
local joint_chi2 = r(chi2)
local joint_pvalue = r(p)

test
(mm_p11_adj+mm_p13_adj+mm_p14_adj+mm_p15_adj+mm_p16_adj+mm_p17_adj+mm_p18_adj+mm_p19_
adj+mm_p110_adj)=0
local jointsum_chi2 = r(chi2)
local jointsum_pvalue = r(p)

***new test
test (mm_p13_adj - mm_p11_adj)/2 = mm_p14_adj-mm_p13_adj=mm_p15_adj-mm_p14_adj
///
=mm_p16_adj-mm_p15_adj=mm_p17_adj-mm_p16_adj=mm_p18_adj-
mm_p17_adj=mm_p19_adj-mm_p18_adj=mm_p110_adj-mm_p19_adj
local new_tst_F = r(chi2)
local new_tst_pvalue = r(p)

if "`v'" == "ldwroll12" {
cap erase "`path'\IV_Pooled_`covar'.xls"
cap erase "`path'\IV_Pooled_`covar'.txt"
} /* close if loop */

outreg2 using "`path'\IV_Pooled_`covar'.xls", ///
keep(mm_p11_adj mm_p13_adj mm_p14_adj mm_p15_adj mm_p16_adj mm_p17_adj
mm_p18_adj mm_p19_adj mm_p110_adj phase2_st ) ///
nocons sideways stats(coef se tstat) ///
bdec(4) sdec(3) tdec(2) noparen ///
addstat(imm_p111_adj,`estimate1', se,`sel',tstat, `tstat1', ///

joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue',jointsum_chi2,`jointsum_chi2',joi
ntsum_pvalue,`jointsum_pvalue', ///
zero,`estimate2',new_tst_F, `new_tst_F',new_tst_pvalue,
`new_tst_pvalue')
} /* close loop for events */

foreach v of local depen {
di _n(2) as result as result `****2 and phase 3 with interactions*** dependent
variable: `v', unemployment: `covar'"
***phase 2 and phase 3 with interactions
ivreg2 `v' ``covar'' phase2_st ( `mm' `int_mm' = `imm' `int_imm') if phase2_st
== 1 | phase3_st == 1, cluster(tsd_state) ffirst partial(`covar'')

***estimate last mail month
lincom -
(mm_p11_adj+mm_p13_adj+mm_p14_adj+mm_p15_adj+mm_p16_adj+mm_p17_adj+mm_p18_adj+mm_p19_
adj+mm_p110_adj)
local tstat1=r(estimate)/r(se)
local estimate1 = r(estimate)
local sel = r(se)

```

```

    ***estimate sum of mail months
    lincom
mm_pl1_adj+mm_pl3_adj+mm_pl4_adj+mm_pl5_adj+mm_pl6_adj+mm_pl7_adj+mm_pl8_adj+mm_pl9_a
dj+mm_pl10_adj+`estimate1'
    local estimate2 = r(estimate)

    ***estimate last interacted mail month
    lincom -(int_mm_pl1_adj+int_mm_pl3_adj+int_mm_pl4_adj+int_mm_pl5_adj+ ///
int_mm_pl6_adj+int_mm_pl7_adj+int_mm_pl8_adj+int_mm_pl9_adj+int_mm_pl10_adj)

    local tstat=r(estimate)/r(se)
    local estimate = r(estimate)
    local se = r(se)

    ***estimate sum of mail months
    lincom int_mm_pl1_adj+int_mm_pl3_adj+int_mm_pl4_adj+int_mm_pl5_adj+ ///
int_mm_pl6_adj+int_mm_pl7_adj+int_mm_pl8_adj+int_mm_pl9_adj+int_mm_pl10_adj+
`estimate'
    local estimate3 = r(estimate)

    ***F test
    test mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj mm_pl7_adj
mm_pl8_adj mm_pl9_adj mm_pl10_adj
    local joint_chi2 = r(chi2)
    local joint_pvalue = r(p)

    test int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj int_mm_pl5_adj ///
int_mm_pl6_adj int_mm_pl7_adj int_mm_pl8_adj int_mm_pl9_adj
int_mm_pl10_adj
    local jointint_chi2 = r(chi2)
    local jointint_pvalue = r(p)

    if "`v'" == "ldwroll12" {
        cap erase "`path'\IV_Pooled_interaction_`covar'.xls"
        cap erase "`path'\IV_Pooled_interaction_`covar'.txt"
    } /* close if loop */

    outreg2 using "`path'\IV_Pooled_interaction_`covar'.xls", ///
keep(mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj mm_pl7_adj
mm_pl8_adj mm_pl9_adj mm_pl10_adj phase2_st ///
int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj int_mm_pl5_adj ///
int_mm_pl6_adj int_mm_pl7_adj int_mm_pl8_adj int_mm_pl9_adj
int_mm_pl10_adj) ///
nocons sideway stats(coef se tstat) ///
bdec(4) sdec(3) tdec(2) noparen ///
addstat(int_mm_pl11_adj,`estimate', se,`se',tstat,
`tstat',mm_pl11_adj,`estimate1', se,`se1',tstat, `tstat1', ///

joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue',jointint_chi2,`jointint_chi2',joi
ntint_pvalue,`jointint_pvalue',zero,`estimate2', ///
int_zero, `estimate3')
    } /* close loop for events */

} /* close unemployment loop */
*

```

7. Program Codes for Instrumental Variables Models with Continuous MM Measure

```
capture log close _all
clear all
cd "N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\"
log using ".\IV_ModelC.txt", text replace

/*=====

project:      08977 TTW Impact Analysis
program:      IV_ModelC.do

=====*/

***local for input path
local input "N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Data\OutputFolder\LPMRestrict
ctedStata"
local path "N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC"

***load data
use "`input'" ,clear

***create imm interactions
foreach v of varlist motoimm motoimmsq motoimmcb {
    gen int_`v' = phase2_st*`v'
}
*

***create mm interactions
foreach v of varlist mototkt mototktsq mototktcb {
    gen int_`v' = phase2_st*`v'
}
*

***create pooled intended mail months
gen imm_pl1 = (imm10 == 1 | imm21 == 1)
gen imm_pl3 = (imm12 == 1 | imm23 == 1)
gen imm_pl4 = (imm13 == 1 | imm24 == 1)
gen imm_pl5 = (imm14 == 1 | imm25 == 1)
gen imm_pl6 = (imm15 == 1 | imm26 == 1)
gen imm_pl7 = (imm16 == 1 | imm27 == 1)
gen imm_pl8 = (imm17 == 1 | imm28 == 1)
gen imm_pl9 = (imm18 == 1 | imm29 == 1)
gen imm_pl10 = (imm19 == 1 | imm30 == 1)
gen imm_pl11 = (imm20 == 1 | imm31 == 1)

***local macro for covariates
local unemp /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis ///
tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psb1 ///
tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
/*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
///
award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
st_AL-st_TN st_TX-st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss
ime1 ime_miss
```

```

local nounemp /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
              doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis ///
              tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psb1 ///
              tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
              tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
              /*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
///
              award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
              st_AL-st_TN st_TX-st_WY pial pia_miss ime1 ime_miss

local nounempny /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
                doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis
///
                tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psb1 ///
                tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
                tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
                /*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003
cohort2004 ///
                award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
                /*st_AL-st_TN st_TX-st_WY tsd_unemp_mean tsd_unemp_cng*/ pial
pia_miss ime1 ime_miss

***local for pooled intended mail months
local imm "imm_p11 imm_p13 imm_p14 imm_p15 imm_p16 imm_p17 imm_p18 imm_p19
imm_p110 "
local int_imm "int_imm_p11 int_imm_p13 int_imm_p14 int_imm_p15 int_imm_p16
int_imm_p17 int_imm_p18 int_imm_p19 int_imm_p110"

***local for imm mail months
local phlnyimm "imm1 imm4 imm6 imm7 imm8 "
local phlnonyimm "imm1 imm3 imm4 "
local phase2imm "imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19 "
local phase3imm "imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30 "

***local for intended mail months
local moto "motoimm"
local intmoto "int_motoimm"
*local moto "motoimm motoimmsq motoimmcb"
*local intmoto "int_motoimm int_motoimmsq int_motoimmcb"

***local for endogenous vars
local endo mototkt

***new local for macro with covariates
local enemplist unemp nounemp

***new local for macro with dependent variables
local depen ldwroll12 ldwroll24 ldwroll36 ldwroll48 ///
            eperoll12 eperoll24 eperoll36 eperoll48 ///
            twproll12 twproll24 twproll36 twproll48 ///
            srvroll12 srvroll24 srvroll36 srvroll48 ///
            nstw12 nstw24 nstw36 nstw48

```

```

    foreach v of local depen {
        di _n(2) as result as result `***phase 1 only NY*** dependent variable: `v',
unemployment: `covar''
        ***phase 1 only NY
        ivreg2 `v' `nounempny' ( `endo' = `ph1nyimm') if phasel_st_ny == 1, ffirst
robust partial ( `nounempny')
        /*
        ***F test
        test mototkt mmiss mmaft
        local joint_chi2 = r(chi2)
        local joint_pvalue = r(p)

        test (mototkt+mmiss+mmaft)=0
        local jointsum_chi2 = r(chi2)
        local jointsum_pvalue = r(p) */

        if "`v'" == "ldwroll12" {
            cap erase `"\path'\IV_PH1NY_nounempny.xls"
            cap erase `"\path'\IV_PH1NY_nounempny.txt"
        } /* close if loop */

        outreg2 using `"\path'\IV_PH1NY_nounempny.xls"', ///
keep( `endo' ) nocons sideways stats(coef se tstat) ///
bdec(4) sdec(3) tdec(2) noparen slow(100) ///
/* addstat(joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue'
,jointsum_chi2,`jointsum_chi2',jointsum_pvalue,`jointsum_pvalue') */
    } /* close loop for events */

foreach covar of local enemplist {
    foreach v of local depen {
        di _n(2) as result `***phase 1 NO NY*** dependent variable: `v',
unemployment: `covar''
        ***phase 1 NO NY
        ivreg2 `v' ``covar'' ( `endo' = `ph1nonyimm') if phasel_st_nony == 1,
cluster(tsd_state) ffirst partial ( ``covar'' )

        /*
        ***chi2 test
        test mototkt mmiss mmaft
        local joint_chi2 = r(chi2)
        local joint_pvalue = r(p)

        test (mototkt+mmiss+mmaft)=0
        local jointsum_chi2 = r(chi2)
        local jointsum_pvalue = r(p) */

        if "`v'" == "ldwroll12" {
            cap erase `"\path'\IV_PH1Nony_`covar'.xls"
            cap erase `"\path'\IV_PH1Nony_`covar'.txt"
        }

        outreg2 using `"\path'\IV_PH1Nony_`covar'.xls"', ///
keep( `endo' ) nocons sideways stats(coef se tstat) ///
bdec(4) sdec(3) tdec(2) noparen slow(100) ///
/* addstat(joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue'
,jointsum_chi2,`jointsum_chi2',jointsum_pvalue,`jointsum_pvalue') */
    } /* close loop for events */

    foreach v of local depen {
        di _n(2) as result `***phase 2*** dependent variable: `v', unemployment:
`covar''

```

```

    ***phase 2
    ivreg2 `v' ``covar'' ( `endo' = `phase2imm') if phase2_st == 1,
cluster(tsd_state) ffirst partial ( ``covar'')

    /*
    ***chi2 test
    test mototkt mmmmiss mmaft
    local joint_chi2 = r(chi2)
    local joint_pvalue = r(p)

    test (mototkt+mmmmiss+mmaft)=0
    local jointsum_chi2 = r(chi2)
    local jointsum_pvalue = r(p) */

    if "`v'" == "ldwroll12" {
        cap erase ``path'\IV_PH2_`covar'.xls"
        cap erase ``path'\IV_PH2_`covar'.txt"
    }

    outreg2 using ``path'\IV_PH2_`covar'.xls"', ///
keep( `endo' ) ///
nocons sideways stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen
slow(100) ///
/* addstat(joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue'
,jointsum_chi2,`jointsum_chi2',jointsum_pvalue,`jointsum_pvalue') */
} /* close loop for events */

foreach v of local depen {
di _n(2) as result `***phase 3*** dependent variable: `v', unemployment:
`covar'''
    ***phase 3
    ivreg2 `v' ``covar'' ( `endo' = `phase3imm') if phase3_st == 1,
cluster(tsd_state) ffirst partial ( ``covar'')

    /*
    *** chi2 test
    test mototkt mmmmiss mmaft
    local joint_chi2 = r(chi2)
    local joint_pvalue = r(p)

    test (mototkt+mmmmiss+mmaft)=0
    local jointsum_chi2 = r(chi2)
    local jointsum_pvalue = r(p) */

    if "`v'" == "ldwroll12" {
        cap erase ``path'\IV_PH3_`covar'.xls"
        cap erase ``path'\IV_PH3_`covar'.txt"
    }

    outreg2 using ``path'\IV_PH3_`covar'.xls"', ///
keep( `endo' ) ///
nocons sideways stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen
slow(100) ///
/* addstat(joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue'
,jointsum_chi2,`jointsum_chi2',jointsum_pvalue,`jointsum_pvalue') */
} /* close loop for events */
*

foreach v of local depen {
di _n(2) as result `***phase 2 & phase 3*** dependent variable: `v',
unemployment: `covar'''
    ***phase 2 & phase 3

```

```

        ivreg2 `v' ``covar'' phase2_st (`endo' = `imm') if phase3_st == 1 |
phase2_st == 1, cluster(tsd_state) ffirst partial(``covar'')

/*
    *** chi2 test
    test mototkt mmiss mmaft
    local joint_chi2 = r(chi2)
    local joint_pvalue = r(p)

    test (mototkt+mmiss+mmaft)=0
    local jointsum_chi2 = r(chi2)
    local jointsum_pvalue = r(p) */

    if "`v'" == "ldwroll12" {
        cap erase ``path'\IV_PH2_PH3_`covar'.xls"
        cap erase ``path'\IV_PH2_PH3_`covar'.txt"
    }

    outreg2 using ``path'\IV_PH2_PH3_`covar'.xls", ///
keep( `endo' phase2_st ) ///
nocons   sideways stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen
slow(100) ///
/*      addstat(joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue'
,jointsum_chi2,`jointsum_chi2',jointsum_pvalue,`jointsum_pvalue') */
    } /* close loop for events */

foreach v of local depen {
    di _n(2) as result `***phase 2 & phase 3 with interactions*** dependent
variable: `v', unemployment: `covar''
    ***phase 2 & phase 3 with interaction
    ivreg2 `v' phase2_st ``covar'' (`endo' int_mototkt = `imm' `imm_int') ///
        if phase3_st == 1 | phase2_st == 1, cluster(tsd_state) ffirst
partial(``covar'')

/*
    *** chi2 test
    test mototkt mmiss mmaft int_mototkt
    local joint_chi2 = r(chi2)
    local joint_pvalue = r(p)

    test (mototkt+mmiss+mmaft+int_mototkt)=0
    local jointsum_chi2 = r(chi2)
    local jointsum_pvalue = r(p) */

    if "`v'" == "ldwroll12" {
        cap erase ``path'\IV_PH2_PH3_interact_`covar'.xls"
        cap erase ``path'\IV_PH2_PH3_interact_`covar'.txt"
    }

    outreg2 using ``path'\IV_PH2_PH3_interact_`covar'.xls", ///
keep( `endo' int_mototkt phase2_st ) ///
nocons   sideways stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen
slow(100) ///
/*      addstat(joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue'
,jointsum_chi2,`jointsum_chi2',jointsum_pvalue,`jointsum_pvalue') */
    } /* close loop for events */
} /* close unemployment loop */
*

capture log close

```

8. Projections for Total Impacts

```
capture log close _all
clear all
set matsize 1000
cd "N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\"
log using ".\3sls.txt", text replace

/*=====

project:      08977 TTW Impact Analysis
program:      3sls.do

=====*/

***local for input path
local input "N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Data\OutputFolder\LPMRestrict
edStata"
local path "N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\3slsOutput"

***load data
use "`input'" ,clear

***local macro for covariates
local unemp /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis ///
tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
/*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
///
award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
st_AL-st_TN st_TX-st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss
ime1 ime_miss

local nounemp /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis ///
tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
/*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
///
award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
st_AL-st_TN st_TX-st_WY pial pia_miss ime1 ime_miss

local nounempny /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis
///
tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
```



```

/*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003
cohort2004 ///
award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
/*st_AL-st_TN st_TX-st_WY tsd_unemp_mean tsd_unemp_cng*/ pial
pia_miss ime1 ime_miss

***local for imm mail months
local phlnyimm "imm1 imm4 imm6 imm7 imm8 "
local phlnonyimm "imm1 imm3 imm4 "
local phase2imm "imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19 "
local phase3imm "imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30 "

***postfiles
capture postclose phaselny phaselny phase2 phase3
postutil clear
postfile phaselNY str15 event event12 SE12 event24 SE24 event36 SE36 event48 SE48
///
sum12_24X12 SE12_24 ///
sum12_24_36X12 SE12_24_36 ///
sum12_24_36_48X12 SE12_24_36_48 ///
using "`path'\phaselny",replace

postfile phaselNONY str15 event event12 SE12 event24 SE24 event36 SE36 event48 SE48
///
sum12_24X12 SE12_24 ///
sum12_24_36X12 SE12_24_36 ///
sum12_24_36_48X12 SE12_24_36_48 ///
using "`path'\phaselny",replace

postfile phase2 str15 event event12 SE12 event24 SE24 event36 SE36 event48 SE48
///
sum12_24X12 SE12_24 ///
sum12_24_36X12 SE12_24_36 ///
sum12_24_36_48X12 SE12_24_36_48 ///
using "`path'\phase2",replace

postfile phase3 str15 event event12 SE12 event24 SE24 event36 SE36 event48 SE48
///
sum12_24X12 SE12_24 ///
sum12_24_36X12 SE12_24_36 ///
sum12_24_36_48X12 SE12_24_36_48 ///
using "`path'\phase3",replace

local event ldwroll eperoll twproll srvroll nstw
foreach v of local event {
di _n(2) as result as result `***phase 1 only NY*** dependent variable: `v',
unemployment: `covar'"

***phase 1 only NY
reg3 (`v'12 mototkt `nounempny') ///
(`v'24 mototkt `nounempny') ///
(`v'36 mototkt `nounempny') ///
(`v'48 mototkt `nounempny') if phasel1_st_ny, endog(mototkt) exog(`phlnyimm')

***sum the 12 & 24 coeff and multiply by 12
lincom 12*(_b[`v'12:mototkt]+_b[`v'24:mototkt])
scalar sum12_24X12 = r(estimate)
scalar se12_24X12 = r(se)

***sum the 12 & 24 & 36 coeff and multiply by 12
lincom 12*(_b[`v'12:mototkt]+_b[`v'24:mototkt]+_b[`v'36:mototkt])

```

```

scalar sum12_24_36X12 = r(estimate)
scalar sel2_24_36X12 = r(se)

***sum the 12 & 24 & 36 &48 coeff and multiply by 12
lincom
12*(_b[\`v'12:mototkt]+_b[\`v'24:mototkt]+_b[\`v'36:mototkt]+_b[\`v'48:mototkt])
scalar sum12_24_36_48X12 = r(estimate)
scalar sel2_24_36_48X12 = r(se)

***post results
post phaselNY ("`v'") (_b[\`v'12:mototkt]) (_se[\`v'12:mototkt]) ///
                    (_b[\`v'24:mototkt]) (_se[\`v'24:mototkt]) ///
                    (_b[\`v'36:mototkt]) (_se[\`v'36:mototkt]) ///
                    (_b[\`v'48:mototkt]) (_se[\`v'48:mototkt]) ///
                    (sum12_24X12      ) (sel2_24X12      ) ///
                    (sum12_24_36X12   ) (sel2_24_36X12   ) ///
                    (sum12_24_36_48X12) (sel2_24_36_48X12 )

} /* close loop for events */
*

foreach covar in unemp nounemp {
  foreach v of local event {
    di _n(2) as result `***phase 1 NO NY*** dependent variable: `v', unemployment:
    `covar''
    ***phase 1 NO NY
    reg3 (`v'12 mototkt ``covar'') ///
        (`v'24 mototkt ``covar'') ///
        (`v'36 mototkt ``covar'') ///
        (`v'48 mototkt ``covar'') if phasel_st_nony, endog(mototkt)
    exog(`phlnonyimm')

    ***sum the 12 & 24 coeff and multiply by 12
    lincom 12*(_b[\`v'12:mototkt]+_b[\`v'24:mototkt])
    scalar sum12_24X12 = r(estimate)
    scalar sel2_24X12 = r(se)

    ***sum the 12 & 24 & 36 coeff and multiply by 12
    lincom 12*(_b[\`v'12:mototkt]+_b[\`v'24:mototkt]+_b[\`v'36:mototkt])
    scalar sum12_24_36X12 = r(estimate)
    scalar sel2_24_36X12 = r(se)

    ***sum the 12 & 24 & 36 &48 coeff and multiply by 12
    lincom
    12*(_b[\`v'12:mototkt]+_b[\`v'24:mototkt]+_b[\`v'36:mototkt]+_b[\`v'48:mototkt])
    scalar sum12_24_36_48X12 = r(estimate)
    scalar sel2_24_36_48X12 = r(se)

    ***post results
    post phaselNONY ("`v'_`covar'") (_b[\`v'12:mototkt]) (_se[\`v'12:mototkt]) ///
                                    (_b[\`v'24:mototkt]) (_se[\`v'24:mototkt]) ///
                                    (_b[\`v'36:mototkt]) (_se[\`v'36:mototkt]) ///
                                    (_b[\`v'48:mototkt]) (_se[\`v'48:mototkt]) ///
                                    (sum12_24X12      ) (sel2_24X12      ) ///
                                    (sum12_24_36X12   ) (sel2_24_36X12   ) ///
                                    (sum12_24_36_48X12) (sel2_24_36_48X12 )

} /* close loop for events */
*

```

```

    foreach v of local event {
        di _n(2) as result `***phase 2*** dependent variable: `v', unemployment:
`covar'""
        ***phase 2
        reg3 (`v'12 mototkt ``covar'') ///
            (`v'24 mototkt ``covar'') ///
            (`v'36 mototkt ``covar'') ///
            (`v'48 mototkt ``covar'') if phase2_st, endog(mototkt) exog(`phase2imm')

        ***sum the 12 & 24 coeff and multiply by 12
        lincom 12*(_b[`v'12:mototkt]+_b[`v'24:mototkt])
        scalar sum12_24X12 = r(estimate)
        scalar sel2_24X12 = r(se)

        ***sum the 12 & 24 & 36 coeff and multiply by 12
        lincom 12*(_b[`v'12:mototkt]+_b[`v'24:mototkt]+_b[`v'36:mototkt])
        scalar sum12_24_36X12 = r(estimate)
        scalar sel2_24_36X12 = r(se)

        ***sum the 12 & 24 & 36 &48 coeff and multiply by 12
        lincom
12*(_b[`v'12:mototkt]+_b[`v'24:mototkt]+_b[`v'36:mototkt]+_b[`v'48:mototkt])
        scalar sum12_24_36_48X12 = r(estimate)
        scalar sel2_24_36_48X12 = r(se)

        ***post results
        post phase2 ("`v'_`covar'") (_b[`v'12:mototkt]) (_se[`v'12:mototkt]) ///
            (_b[`v'24:mototkt]) (_se[`v'24:mototkt]) ///
            (_b[`v'36:mototkt]) (_se[`v'36:mototkt]) ///
            (_b[`v'48:mototkt]) (_se[`v'48:mototkt]) ///
            (sum12_24X12 ) (sel2_24X12 ) ///
            (sum12_24_36X12 ) (sel2_24_36X12 ) ///
            (sum12_24_36_48X12) (sel2_24_36_48X12 )

    } /* close loop for events */

    foreach v of local event {
        di _n(2) as result `***phase 3*** dependent variable: `v', unemployment:
`covar'""
        ***phase 3
        reg3 (`v'12 mototkt ``covar'') ///
            (`v'24 mototkt ``covar'') ///
            (`v'36 mototkt ``covar'') ///
            (`v'48 mototkt ``covar'') if phase3_st, endog(mototkt) exog(`phase3imm')

        ***sum the 12 & 24 coeff and multiply by 12
        lincom 12*(_b[`v'12:mototkt]+_b[`v'24:mototkt])
        scalar sum12_24X12 = r(estimate)
        scalar sel2_24X12 = r(se)

        ***sum the 12 & 24 & 36 coeff and multiply by 12
        lincom 12*(_b[`v'12:mototkt]+_b[`v'24:mototkt]+_b[`v'36:mototkt])
        scalar sum12_24_36X12 = r(estimate)
        scalar sel2_24_36X12 = r(se)

        ***sum the 12 & 24 & 36 &48 coeff and multiply by 12
        lincom
12*(_b[`v'12:mototkt]+_b[`v'24:mototkt]+_b[`v'36:mototkt]+_b[`v'48:mototkt])
        scalar sum12_24_36_48X12 = r(estimate)
        scalar sel2_24_36_48X12 = r(se)

        ***post results
        post phase3 ("`v'_`covar'") (_b[`v'12:mototkt]) (_se[`v'12:mototkt]) ///
            (_b[`v'24:mototkt]) (_se[`v'24:mototkt]) ///

```

```

                (_b[`v'36:tototkt]) (_se[`v'36:tototkt]) ///
                (_b[`v'48:tototkt]) (_se[`v'48:tototkt]) ///
                (sum12_24X12      ) (se12_24X12      ) ///
                (sum12_24_36X12   ) (se12_24_36X12   ) ///
                (sum12_24_36_48X12) (se12_24_36_48X12 )

        } /* close loop for events */
} /* close loop for unemployment */
*

***close post files
capture {
    postclose phaselNY
    postclose phaselNONY
    postclose phase2
    postclose phase3
}
*

local path "N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\3slsOutput"

foreach v in phaselNY phaselNONY phase2 phase3 {
    use "`path'/'`v'",clear

    ***local list of variables
    local varlst event12 SE12 ///
                event24 SE24 ///
                event36 SE36 ///
                event48 SE48 ///
                sum12_24X12      SE12_24 ///
                sum12_24_36X12   SE12_24_36 ///
                sum12_24_36_48X12 SE12_24_36_48

    order event `varlst'

    ***loop through variables
    forvalues n = 1(2)14 {
        ***define local for coeff
        local var: word `n' of `varlst'

        ***define local for se
        local se : word `=(`n'+1)' of `varlst'
        display "`var'"
        display "`se'"

        ***calculate p value for significance stars
        gen pval_`var' = 2*normal(-abs(`var'/'`se'))
        *display pval

        ***generate significance star string
        gen sig_`var' = "" if pval_`var' > 0.0 & pval_`var' <= 0.01
        replace sig_`var' = "*" if pval_`var' > .01 & pval_`var' <= .05
        replace sig_`var' = "" if pval_`var' > .05 & pval_`var' <= .10

        ***drop pval variable
        drop pval_`var'

        ***destring coefficient -force- must be used because -format- rounds the
variables
        if `n' <= 7 {
            tostring `var', replace format(%7.6f) force
        }
    }
}

```

```

else {
    tostring `var', replace format(%7.5f) force
}
gen temp = `var' + sig_`var'
drop `var'
rename temp `var'
drop sig_`var'

***destring standard error
if `n' <= 7 {
    tostring `se', replace format(%7.6f) force
}
else {
    tostring `se', replace format(%7.5f) force
}
}/* close loop through variables */
*

*****
***obtain variable with rownames for table
*****
order event `varlst'
preserve

***interchange rows and columns to get rows for names
xpose,clear varname
***generate merge variable
gen n = _n
***replace names
replace _varname = "12 x Sum(12,24)" if _varname == "sum12_24X12"
replace _varname = "12 x Sum(12,24,36)" if _varname == "sum12_24_36X12"
replace _varname = "12 x Sum(12,24,36,48)" if _varname == "sum12_24_36_48X12"

keep _varname n
tempfile name
save `name'
restore

***interchange rows and columns
sxpose,clear
gen n = _n

***merge row names onto dataset
merge 1:1 n using `name'

if "`v'" == "phase1NY" {

    rename _var1 ldwroll
    rename _var2 eperoll
    rename _var3 twproll
    rename _var4 srvroll
    rename _var5 nstw
    rename _varname event
}/* close if statemnt for NY sample */

else {
    rename _var1 ldwroll_unemp
    rename _var2 eperoll_unemp
    rename _var3 twproll_unemp
    rename _var4 srvroll_unemp
    rename _var5 nstw_unemp
    rename _var6 ldwroll_nounemp
    rename _var7 eperoll_nounemp

```

```
        rename _var8 twproll_nounemp
        rename _var9 srvroll_nounemp
        rename _var10 nstw_nounemp
        rename _varname event
    }/* close if statement for all other phases */

    drop if _n == 1
    drop n _merge
    order event

    ***export file
    export excel using "`path'\3sls_output.xlsx"', sheet("`v'") sheetreplace
    firstrow(var)
    }
    *

capture log close
```

B. Log Files for the Impact Analysis

1. Log File for Linear Probability Models with Discrete IMM Indicators (With and Without State Level Unemployment Measures)

```
-----  
-----  
name: <unnamed>  
log: N:\Secure_Data-  
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPM_ModelA.txt  
log type: text  
opened on: 12 Nov 2012, 12:46:34  
  
. . .  
. /*===== */  
> mathematica header  
>  
> project: 08977 TTW Impact Analysis  
> program: BinaryOutcomeOLS.do  
>  
> =====*/  
. . .  
. ***local for input path  
. local input "N:\Secure_Data-  
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Data\OutputFolder\LPMRestrict  
ctedStat  
> a"  
  
. local path "N:\Secure_Data-  
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA"  
  
. . .  
. ***load data  
. use "`input'",clear  
(SAVASTATA created this dataset on 23OCT2012)  
  
. . .  
. ***create normalized mail months  
. ***phase 1 NY  
. foreach v in imm1 imm4 imm6 imm7 imm8 {  
2. gen `v'_adj_ny = `v' - imm9  
3. }  
  
. *  
. . .  
. ***phase 1 No NY  
. foreach v in imm1 imm3 imm4 {  
2. gen `v'_adj = `v' - imm5  
3. }  
  
. *  
. . .  
. ***phase 2  
. foreach v in imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19 {  
2. gen `v'_adj = `v' - imm20  
3. }  
  
. *  
. . .
```

```

. ***phase 3
. foreach v in imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30 {
2.   gen `v'_adj = `v' - imm31
3. }

. *
.
. ***local macro for covariates
. local unemp /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
> doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis
///
> tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
> tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
> tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
> /*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003
cohort2004 ///
> award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
> st_AL-st_TN st_TX-st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss
ime1 ime_miss

.
. local nounemp /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
> doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis
///
> tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
> tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
> tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
> /*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003
cohort2004 ///
> award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
> st_AL-st_TN st_TX-st_WY pial pia_miss ime1 ime_miss

.
. local unempny /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
> doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis
///
> tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
> tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
> tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
> /*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003
cohort2004 ///
> award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
> /*st_AL-st_TN st_TX-st_WY*/ tsd_unemp_mean tsd_unemp_cng pial
pia_miss ime1 ime_miss

.
. local nounempny /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
> doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis
///
> tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
> tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
> tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///

```



```

>          /*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003
cohort2004 ///
>          award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
>          /*st_AL-st_TN st_TX-st_WY*/ pial pia_miss ime1 ime_miss
.
.
. ***local for mail months
. local phlny "imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny imm8_adj_ny "
. local phlnony "imm1_adj imm3_adj imm4_adj "
. local phase2 "imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj imm16_adj
imm17_adj imm18_adj imm19_adj "
. local phase3 "imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj imm27_adj
imm28_adj imm29_adj imm30_adj "
.
. ***new local for macro with covariates
. local enemplist unemp nounemp
. local enemplistny unempny nounempny
.
. ***new local for macro with dependent variables
. local depen ldwroll12 ldwroll24 ldwroll36 ldwroll48 ///
>          eperoll12 eperoll24 eperoll36 eperoll48 ///
>          twproll12 twproll24 twproll36 twproll48 ///
>          srvroll12 srvroll24 srvroll36 srvroll48 ///
>          nstw12 nstw24 nstw36 nstw48
.
.
.
. foreach covar of local enemplistny {
2.
.     foreach v of local depen {
3.         ***phase 1 only NY
.         regress `v' `phlny' ``covar'' if phasel_st_ny == 1, robust
4.
.         ***estimate last mail month
.         lincom -(imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny +
imm8_adj_ny)
5.
.         local tstat=r(estimate)/r(se)
6.         local estimate = r(estimate)
7.         local se = r(se)
8.
.         ***estimate sum of mail months
.         lincom imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny +
imm8_adj_ny + `estimate'
9.         local estimatel = r(estimate)
10.
.         ***F test
.         test imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny imm8_adj_ny
11.         local joint_F = r(F)
12.         local joint_pvalue = r(p)
13.
.         test (imm1_adj_ny+imm4_adj_ny+imm6_adj_ny+imm7_adj_ny+imm8_adj_ny)=0
14.         local jointsum_F = r(F)
15.         local jointsum_pvalue = r(p)

```

```

16.
.      ***new test
.      test (imm4_adj_ny - imm1_adj_ny)/3 = (imm6_adj_ny - imm4_adj_ny)/2 =
imm7_adj_ny - imm6_adj_ny = imm8_adj_ny - imm
> 7_adj_ny
17.      local new_tst_F = r(F)
18.      local new_tst_pvalue = r(p)
19.
.      if "`v'" == "ldwroll12" {
20.          cap erase "`"path"\LPM_PH1NY_`covar'.xls"
21.          cap erase "`"path"\LPM_PH1NY_`covar'.txt"
22.      } /* close if loop */
23.
.      outreg2 using "`"path"\LPM_PH1NY_`covar'.xls", ///
>      keep( imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny imm8_adj_ny)
nocons ///
>      sideway stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen ///
>      addstat(imm9_adj_ny,`estimate',se,`se',tstat,`tstat', ///
>
joint_F,`joint_F',joint_pvalue,`joint_pvalue',jointsum_F,`jointsum_F',jointsum_pvalue
,`jointsum_pvalue
> ',zero,`estimate1' ///
>      ,new_tst_F, `new_tst_F',new_tst_pvalue, `new_tst_pvalue')
24.      } /* close loop for events */
25. }
note: gendermiss_flag omitted because of collinearity
note: doage2miss_flag omitted because of collinearity
note: tsd_unemp_mean omitted because of collinearity
note: tsd_unemp_cng omitted because of collinearity

```

Linear regression

```

Number of obs = 12023
F( 47, 11974) = .
Prob > F = .
R-squared = 0.1597
Root MSE = .13386

```

ldwroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	-.0022869	.0033174	-0.69	0.491	-.0087895	.0042157
imm4_adj_ny	.0011242	.003341	0.34	0.737	-.0054247	.007673
imm6_adj_ny	-.0016144	.0024669	-0.65	0.513	-.0064499	.0032212
imm7_adj_ny	.0016443	.002573	0.64	0.523	-.0033993	.0066878
imm8_adj_ny	-.0030898	.0024102	-1.28	0.200	-.0078142	.0016345
male	.0051554	.0025548	2.02	0.044	.0001474	.0101633
gendermiss_flag	0	(omitted)				
tsd_age	-.0009401	.0003139	-2.99	0.003	-.0015553	-.0003248
doage2	-.000104	.0002811	-0.37	0.711	-.000655	.000447
doage2miss_flag	0	(omitted)				
race_a	.0061152	.0104251	0.59	0.557	-.0143198	.0265502
race_b	.0082909	.0035717	2.32	0.020	.0012899	.015292
race_h	.0139862	.0049382	2.83	0.005	.0043066	.0236659
race_i	.0407001	.0392924	1.04	0.300	-.0363193	.1177195
race_o	.0011483	.0072041	0.16	0.873	-.0129729	.0152696
race_mis	.0114508	.0077961	1.47	0.142	-.0038309	.0267325
tsd_edu_hs	.0068692	.0034585	1.99	0.047	.00009	.0136484
tsd_edu_mrhs	.0152317	.0042244	3.61	0.000	.0069512	.0235122
tsd_edu_mis	.0055829	.0037538	1.49	0.137	-.0017751	.0129408
tsd_mie_exp	.0027209	.0088299	0.31	0.758	-.0145871	.0200288
tsd_mie_mis	.0001699	.0041321	0.04	0.967	-.0079297	.0082695
tsd_mie_psbl	-.0026056	.0042392	-0.61	0.539	-.0109152	.005704
tsd_medicare	-.0021965	.0036753	-0.60	0.550	-.0094007	.0050077

tsd_medicare_miss	-.021846	.0059553	-3.67	0.000	-.0335194	-.0101726
tsd_depend_1	-.00753	.0037259	-2.02	0.043	-.0148334	-.0002265
tsd_depend_2	-.0042553	.0030793	-1.38	0.167	-.0102913	.0017807
tsd_depend_miss	.0027831	.0072387	0.38	0.701	-.011406	.0169722
tsd_vrpr	.0180703	.0050193	3.60	0.000	.0082316	.0279089
tsd_vrpr_miss	.0193113	.0039855	4.85	0.000	.011499	.0271235
pdcgrou2	-.0051937	.0050214	-1.03	0.301	-.0150365	.0046491
pdcgrou3	.0017596	.0045774	0.38	0.701	-.0072129	.0107321
pdcgrou4	.0056477	.0044737	1.26	0.207	-.0031214	.0144169
pdcgrou5	-.0029225	.0061179	-0.48	0.633	-.0149147	.0090697
cohort2000	.0009151	.0053951	0.17	0.865	-.0096602	.0114905
cohort2001	.00578	.0100158	0.58	0.564	-.0138525	.0254125
cohort2002	-.0034914	.0140146	-0.25	0.803	-.0309624	.0239795
cohort2003	.009684	.0161028	0.60	0.548	-.0218802	.0412482
cohort2004	.0125287	.0158613	0.79	0.430	-.0185621	.0436195
award_b4_tsd	-.0003314	.0077296	-0.04	0.966	-.0154827	.0148199
diaward_tsd	-.0003223	.0004495	-0.72	0.473	-.0012033	.0005588
epeb4twp_flag	-.1523129	.0239752	-6.35	0.000	-.1993083	-.1053176
ldwb4twp_flag	-.0647731	.046132	-1.40	0.160	-.1551993	.025653
ldwb4epe_flag	.1242531	.0908794	1.37	0.172	-.0538852	.3023915
twpb4tsd	.2234058	.0174248	12.82	0.000	.1892504	.2575613
epeb4tsd	.1250316	.0225511	5.54	0.000	.0808278	.1692354
ldwb4tsd	-.1749977	.0177947	-9.83	0.000	-.2098783	-.1401171
tsd_unemp_mean	0	(omitted)				
tsd_unemp_cng	0	(omitted)				
pial	-.00002	.0000142	-1.41	0.157	-.0000478	7.75e-06
pia_miss	-.0354922	.0133425	-2.66	0.008	-.0616456	-.0093387
ime1	5.49e-06	4.31e-06	1.27	0.202	-2.95e-06	.0000139
ime_miss	.0124392	.0083759	1.49	0.138	-.003979	.0288574
_cons	.0262106	.018051	1.45	0.147	-.0091723	.0615935

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

ldwroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0042227	.0028609	1.48	0.140	-.0013851 .0098305

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0042227

ldwroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	3.64e-17	.0028609	0.00	1.000	-.0056078 .0056078

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.91
 Prob > F = 0.4730

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 2.18
 Prob > F = 0.1400

(1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
 (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
 (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.71
 Prob > F = 0.5480

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\LPM_PH1NY_unempny.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: tsd_unemp_mean omitted because of collinearity

note: tsd_unemp_cng omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.1386
 Root MSE = .19005

ldwroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	.0014317	.0049328	0.29	0.772	-.0082373	.0111007
imm4_adj_ny	-.0021946	.0046714	-0.47	0.639	-.0113513	.0069622
imm6_adj_ny	-.0010647	.0035789	-0.30	0.766	-.0080799	.0059505
imm7_adj_ny	.0015952	.003651	0.44	0.662	-.0055613	.0087518
imm8_adj_ny	-.0021312	.0035895	-0.59	0.553	-.0091673	.0049049
male	.0092361	.0035736	2.58	0.010	.0022313	.016241
gendermiss_flag	0	(omitted)				
tsd_age	-.0017824	.0004128	-4.32	0.000	-.0025916	-.0009733
doage2	.0000772	.0003608	0.21	0.830	-.0006299	.0007844
doage2miss_flag	0	(omitted)				
race_a	.0084673	.014167	0.60	0.550	-.0193023	.036237
race_b	.0196229	.0050753	3.87	0.000	.0096744	.0295714
race_h	.0263003	.007073	3.72	0.000	.0124361	.0401645
race_i	.0247142	.0402082	0.61	0.539	-.0541004	.1035288
race_o	.0080414	.0134267	0.60	0.549	-.0182771	.03436
race_mis	.0065245	.0091309	0.71	0.475	-.0113736	.0244226
tsd_edu_hs	.0111737	.0049647	2.25	0.024	.0014421	.0209054
tsd_edu_mrhs	.0322196	.0060998	5.28	0.000	.020263	.0441762
tsd_edu_mis	.0111545	.0051713	2.16	0.031	.001018	.0212911
tsd_mie_exp	.0004712	.011673	0.04	0.968	-.0224097	.0233522
tsd_mie_mis	.0002633	.0058251	0.05	0.964	-.0111548	.0116815
tsd_mie_psbl	-.0033782	.0057653	-0.59	0.558	-.0146792	.0079228
tsd_medicare	-.0058654	.004842	-1.21	0.226	-.0153564	.0036256
tsd_medicare_miss	-.0434882	.0080764	-5.38	0.000	-.0593193	-.0276572
tsd_depend_1	-.0200356	.0052438	-3.82	0.000	-.0303143	-.0097568
tsd_depend_2	-.015246	.0044768	-3.41	0.001	-.0240213	-.0064707
tsd_depend_miss	-.0018652	.0110275	-0.17	0.866	-.0234808	.0197504
tsd_vrpr	.0269662	.0080128	3.37	0.001	.0112597	.0426726
tsd_vrpr_miss	.0186104	.0067172	2.77	0.006	.0054436	.0317771
pdcgrou2	-.0123915	.0072841	-1.70	0.089	-.0266694	.0018865
pdcgrou3	-.0024554	.0069126	-0.36	0.722	-.0160052	.0110944
pdcgrou4	.0014197	.006516	0.22	0.828	-.0113527	.0141922
pdcgrou5	-.0194079	.0105925	-1.83	0.067	-.0401708	.0013551
cohort2000	-.003862	.0072323	-0.53	0.593	-.0180386	.0103145
cohort2001	-.0010243	.0133572	-0.08	0.939	-.0272066	.0251579
cohort2002	-.0131412	.019758	-0.67	0.506	-.0518702	.0255877
cohort2003	-.0118536	.0249428	-0.48	0.635	-.0607455	.0370383
cohort2004	-.0237563	.0233614	-1.02	0.309	-.0695484	.0220359

award_b4_tsd	.031815	.014825	2.15	0.032	.0027557	.0608743
diaward_tsd	-.0007508	.000596	-1.26	0.208	-.001919	.0004174
epeb4twp_flag	-.1831835	.0261783	-7.00	0.000	-.2344971	-.1318699
ldwb4twp_flag	.1486328	.3524887	0.42	0.673	-.5423021	.8395677
ldwb4epe_flag	.3814641	.1204997	3.17	0.002	.1452652	.6176631
twpb4tsd	.2821408	.0189814	14.86	0.000	.2449341	.3193475
epeb4tsd	.1152685	.0236957	4.86	0.000	.0688211	.1617159
ldwb4tsd	-.2172225	.0195095	-11.13	0.000	-.2554643	-.1789808
tsd_unemp_mean	0	(omitted)				
tsd_unemp_cng	0	(omitted)				
pial	-9.57e-06	.000017	-0.56	0.574	-.0000429	.0000238
pia_miss	-.0415858	.0172324	-2.41	0.016	-.0753641	-.0078074
ime1	2.44e-06	5.10e-06	0.48	0.633	-7.56e-06	.0000124
ime_miss	-.0015571	.0102717	-0.15	0.880	-.0216913	.018577
_cons	.0790659	.023407	3.38	0.001	.0331844	.1249474

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

ldwroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0023635	.0038198	0.62	0.536	-.005124 .0098511

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0023635

ldwroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	3.64e-17	.0038198	0.00	1.000	-.0074875 .0074875

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.23
 Prob > F = 0.9512

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.38
 Prob > F = 0.5361

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.22
 Prob > F = 0.8823

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_unempny.xls

dir : seeout
 note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity
 note: tsd_unemp_mean omitted because of collinearity
 note: tsd_unemp_cng omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.1380
 Root MSE = .22736

ldwroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	.0069594	.0060509	1.15	0.250	-.0049013	.0188201
imm4_adj_ny	.007564	.006145	1.23	0.218	-.0044813	.0196092
imm6_adj_ny	-.0044419	.0042698	-1.04	0.298	-.0128115	.0039277
imm7_adj_ny	-.0055087	.0042588	-1.29	0.196	-.0138566	.0028392
imm8_adj_ny	-.0043582	.0043659	-1.00	0.318	-.0129161	.0041997
male	.011324	.004309	2.63	0.009	.0028778	.0197703
gendermiss_flag	0	(omitted)				
tsd_age	-.002889	.0004935	-5.85	0.000	-.0038564	-.0019216
doage2	-.000453	.0004278	-1.06	0.290	-.0012917	.0003856
doage2miss_flag	0	(omitted)				
race_a	.0087379	.0169054	0.52	0.605	-.0243994	.0418753
race_b	.0300162	.0061307	4.90	0.000	.0179991	.0420333
race_h	.0309931	.008217	3.77	0.000	.0148865	.0470997
race_i	.0910809	.0549552	1.66	0.097	-.0166403	.1988021
race_o	.0178851	.0174896	1.02	0.307	-.0163973	.0521676
race_mis	.0200175	.012225	1.64	0.102	-.0039456	.0439806
tsd_edu_hs	.0208149	.0059993	3.47	0.001	.0090553	.0325746
tsd_edu_mrhs	.0449673	.0073088	6.15	0.000	.0306409	.0592937
tsd_edu_mis	.0197168	.0061651	3.20	0.001	.0076323	.0318013
tsd_mie_exp	-.0041067	.013637	-0.30	0.763	-.0308375	.0226241
tsd_mie_mis	.0027864	.0067807	0.41	0.681	-.0105048	.0160776
tsd_mie_psbl	-.001382	.0066655	-0.21	0.836	-.0144476	.0116835
tsd_medicare	-.012432	.0057656	-2.16	0.031	-.0237336	-.0011305
tsd_medicare_miss	-.0577885	.0096758	-5.97	0.000	-.0767546	-.0388224
tsd_depend_1	-.0218846	.00646	-3.39	0.001	-.0345473	-.0092218
tsd_depend_2	-.0170325	.0054567	-3.12	0.002	-.0277284	-.0063365
tsd_depend_miss	-.0140094	.0130948	-1.07	0.285	-.0396773	.0116584
tsd_vrpr	.0327747	.0100919	3.25	0.001	.012993	.0525565
tsd_vrpr_miss	.0173602	.0087203	1.99	0.047	.000267	.0344534
pdcgrou2	-.0206641	.0087758	-2.35	0.019	-.0378661	-.0034621
pdcgrou3	-.004114	.0085783	-0.48	0.632	-.0209288	.0127008
pdcgrou4	-.0045518	.0079437	-0.57	0.567	-.0201228	.0110193
pdcgrou5	-.0310938	.01494	-2.08	0.037	-.0603786	-.0018089
cohort2000	-.0053172	.0085521	-0.62	0.534	-.0220807	.0114462
cohort2001	-.012922	.0156547	-0.83	0.409	-.0436077	.0177637
cohort2002	-.0127375	.0244862	-0.52	0.603	-.0607345	.0352594
cohort2003	-.0215105	.0301552	-0.71	0.476	-.0806197	.0375986
cohort2004	-.0113543	.0316171	-0.36	0.720	-.073329	.0506204
award_b4_tsd	.0371576	.0192538	1.93	0.054	-.000583	.0748982
diaward_tsd	-.0012561	.0007045	-1.78	0.075	-.002637	.0001249
epeb4twp_flag	-.2109891	.0272477	-7.74	0.000	-.264399	-.1575792
ldwb4twp_flag	.4306048	.2575014	1.67	0.095	-.0741397	.9353493
ldwb4epe_flag	.4563373	.1153593	3.96	0.000	.2302144	.6824603
twpb4tsd	.3231166	.0196136	16.47	0.000	.2846708	.3615625
epeb4tsd	.095925	.0239843	4.00	0.000	.048912	.1429381
ldwb4tsd	-.2462663	.0202752	-12.15	0.000	-.286009	-.2065235
tsd_unemp_mean	0	(omitted)				
tsd_unemp_cng	0	(omitted)				
pial	-1.75e-06	.0000199	-0.09	0.930	-.0000408	.0000373
pia_miss	-.054081	.0195209	-2.77	0.006	-.0923451	-.0158168
ime1	-1.88e-06	5.91e-06	-0.32	0.750	-.0000135	9.71e-06
ime_miss	-.017172	.0113813	-1.51	0.131	-.0394813	.0051372
_cons	.1656865	.0278074	5.96	0.000	.1111795	.2201935

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

ldwroll136	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-.0002145	.0045356	-0.05	0.962	-.0091051	.0086761

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = .0002145

ldwroll136	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	4.87e-17	.0045356	0.00	1.000	-.0088906	.0088906

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.97
 Prob > F = 0.4315

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.00
 Prob > F = 0.9623

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.40
 Prob > F = 0.7563

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_unempny.xls
 dir : seeout
 note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity
 note: tsd_unemp_mean omitted because of collinearity
 note: tsd_unemp_cng omitted because of collinearity

Linear regression Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.1287
 Root MSE = .25568

ldwroll148	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	.0017637	.0065005	0.27	0.786	-.0109783	.0145056
imm4_adj_ny	.0095165	.0068529	1.39	0.165	-.0039164	.0229493
imm6_adj_ny	-.0022769	.0048609	-0.47	0.640	-.011805	.0072513
imm7_adj_ny	-.0009283	.0049183	-0.19	0.850	-.010569	.0087124
imm8_adj_ny	-.0072514	.0048459	-1.50	0.135	-.0167502	.0022474
male	.0158555	.004836	3.28	0.001	.0063762	.0253348

gendermiss_flag	0	(omitted)				
tsd_age	-.0036589	.0005465	-6.69	0.000	-.0047302	-.0025876
doage2	-.0003174	.0004588	-0.69	0.489	-.0012168	.000582
doage2miss_flag	0	(omitted)				
race_a	.0146987	.0193245	0.76	0.447	-.0231804	.0525777
race_b	.0416848	.0069952	5.96	0.000	.0279731	.0553965
race_h	.03006	.0089869	3.34	0.001	.0124442	.0476759
race_i	.103412	.0596877	1.73	0.083	-.0135856	.2204096
race_o	.02376	.0200567	1.18	0.236	-.0155544	.0630745
race_mis	.0207941	.0133621	1.56	0.120	-.0053977	.0469859
tsd_edu_hs	.0251636	.0068879	3.65	0.000	.0116623	.0386649
tsd_edu_mrhs	.0567658	.0083148	6.83	0.000	.0404675	.0730642
tsd_edu_mis	.0232178	.0069539	3.34	0.001	.0095871	.0368485
tsd_mie_exp	.0091545	.0157178	0.58	0.560	-.0216549	.0399639
tsd_mie_mis	.0020084	.0075295	0.27	0.790	-.0127507	.0167675
tsd_mie_psbl	.0022879	.0073158	0.31	0.754	-.0120522	.0166281
tsd_medicare	-.0112252	.0063583	-1.77	0.078	-.0236885	.0012381
tsd_medicare_miss	-.0583239	.0158922	-3.67	0.000	-.0894752	-.0271726
tsd_depend_1	-.0222657	.0073008	-3.05	0.002	-.0365764	-.0079551
tsd_depend_2	-.0163955	.006168	-2.66	0.008	-.0284858	-.0043053
tsd_depend_miss	-.0105975	.0154519	-0.69	0.493	-.0408857	.0196908
tsd_vrpr	.0271178	.0119616	2.27	0.023	.0036712	.0505645
tsd_vrpr_miss	.0011139	.0105473	0.11	0.916	-.0195604	.0217882
pdcgrou2	-.0358229	.0099944	-3.58	0.000	-.0554135	-.0162322
pdcgrou3	-.0132077	.0098336	-1.34	0.179	-.0324831	.0060678
pdcgrou4	-.0179272	.0090779	-1.97	0.048	-.0357214	-.0001331
pdcgrou5	-.0500794	.0182772	-2.74	0.006	-.0859057	-.0142531
cohort2000	-.002158	.0095868	-0.23	0.822	-.0209497	.0166338
cohort2001	-.0074391	.0173983	-0.43	0.669	-.0415426	.0266643
cohort2002	-.0018332	.0273008	-0.07	0.946	-.0553473	.0516808
cohort2003	-.0285729	.0359983	-0.79	0.427	-.0991354	.0419896
cohort2004	.0094212	.0391925	0.24	0.810	-.0674024	.0862448
award_b4_tsd	.0458098	.0214411	2.14	0.033	.0037817	.0878378
diaward_tsd	-.0009753	.0007806	-1.25	0.212	-.0025055	.0005548
epeb4twp_flag	-.2286168	.0280486	-8.15	0.000	-.2835966	-.173637
ldwb4twp_flag	.3705116	.2536058	1.46	0.144	-.1265969	.8676201
ldwb4epe_flag	.5622581	.1102576	5.10	0.000	.3461353	.7783809
twpb4tsd	.3284317	.0198496	16.55	0.000	.2895232	.3673402
epeb4tsd	.0725871	.0241335	3.01	0.003	.0252816	.1198926
ldwb4tsd	-.2579181	.0203726	-12.66	0.000	-.2978517	-.2179845
tsd_unemp_mean	0	(omitted)				
tsd_unemp_cng	0	(omitted)				
pial	-4.04e-06	.000022	-0.18	0.854	-.0000471	.000039
pia_miss	-.0620765	.0221756	-2.80	0.005	-.1055442	-.0186088
ime1	-6.61e-06	6.44e-06	-1.02	0.305	-.0000192	6.03e-06
ime_miss	-.0370608	.0124525	-2.98	0.003	-.0614697	-.0126519
_cons	.2212753	.0312157	7.09	0.000	.1600874	.2824632

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

ldwroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0008236	.0050332	-0.16	0.870	-.0106895 .0090423

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = .0008236

ldwroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-3.35e-17	.0050332	-0.00	1.000	-.0098659 .0098659


```

( 1) imm1_adj_ny = 0
( 2) imm4_adj_ny = 0
( 3) imm6_adj_ny = 0
( 4) imm7_adj_ny = 0
( 5) imm8_adj_ny = 0

```

```

F( 5, 11974) = 0.70
Prob > F = 0.6222

```

```

( 1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

```

```

F( 1, 11974) = 0.03
Prob > F = 0.8700

```

```

( 1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
( 2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
( 3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

```

```

F( 3, 11974) = 0.62
Prob > F = 0.6004

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH1NY_unempny.xls

```

```

dir : seeout
note: gendermiss_flag omitted because of collinearity
note: doage2miss_flag omitted because of collinearity
note: tsd_unemp_mean omitted because of collinearity
note: tsd_unemp_cng omitted because of collinearity

```

```

Linear regression                               Number of obs = 12023
                                                F( 47, 11974) = .
                                                Prob > F = .
                                                R-squared = 0.1499
                                                Root MSE = .14504

```

eperoll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	-.0014733	.0037609	-0.39	0.695	-.0088452	.0058987
imm4_adj_ny	.0030176	.0037115	0.81	0.416	-.0042575	.0102927
imm6_adj_ny	-.0020665	.002635	-0.78	0.433	-.0072315	.0030986
imm7_adj_ny	-.0021635	.0027086	-0.80	0.424	-.0074728	.0031459
imm8_adj_ny	.0006548	.0028036	0.23	0.815	-.0048406	.0061503
male	.0043186	.0027342	1.58	0.114	-.0010408	.0096781
gendermiss_flag	0	(omitted)				
tsd_age	-.0008697	.0003266	-2.66	0.008	-.00151	-.0002295
doage2	-.0001976	.0002907	-0.68	0.497	-.0007674	.0003722
doage2miss_flag	0	(omitted)				
race_a	-.0025004	.0094657	-0.26	0.792	-.0210547	.0160538
race_b	.0060463	.0039207	1.54	0.123	-.0016389	.0137314
race_h	-.0001795	.0045858	-0.04	0.969	-.0091685	.0088095
race_i	.0388416	.0340348	1.14	0.254	-.0278721	.1055552
race_o	.0065347	.0110038	0.59	0.553	-.0150346	.0281039
race_mis	.0070547	.0077201	0.91	0.361	-.008078	.0221875
tsd_edu_hs	.0048235	.0039774	1.21	0.225	-.0029728	.0126198
tsd_edu_mrhs	.009714	.0046548	2.09	0.037	.000059	.0188381
tsd_edu_mis	.0105458	.0042147	2.50	0.012	.0022843	.0188072
tsd_mie_exp	-.0063365	.0088455	-0.72	0.474	-.0236751	.0110022
tsd_mie_mis	-.0038311	.0045927	-0.83	0.404	-.0128335	.0051714
tsd_mie_psbl	-.0076318	.004611	-1.66	0.098	-.0166701	.0014065

tsd_medicare	-.0110798	.0035582	-3.11	0.002	-.0180544	-.0041052
tsd_medicare_miss	-.0152657	.0102228	-1.49	0.135	-.035304	.0047727
tsd_depend_1	-.0082269	.0039591	-2.08	0.038	-.0159874	-.0004664
tsd_depend_2	-.0073179	.0032721	-2.24	0.025	-.0137317	-.0009041
tsd_depend_miss	-.0325506	.0127242	-2.56	0.011	-.057492	-.0076092
tsd_vrpr	.0174277	.00639	2.73	0.006	.0049023	.029953
tsd_vrpr_miss	.0093205	.0053385	1.75	0.081	-.0011437	.0197847
pdcgrou2	.0016091	.0057747	0.28	0.781	-.0097102	.0129284
pdcgrou3	-.0054429	.0052456	-1.04	0.299	-.015725	.0048393
pdcgrou4	-.0028188	.0050795	-0.55	0.579	-.0127754	.0071377
pdcgrou5	-.004481	.0076328	-0.59	0.557	-.0194425	.0104805
cohort2000	-.0057505	.0054339	-1.06	0.290	-.0164019	.0049008
cohort2001	-.0018503	.010012	-0.18	0.853	-.0214754	.0177749
cohort2002	-.0128088	.0147372	-0.87	0.385	-.0416961	.0160784
cohort2003	-.0318394	.0194296	-1.64	0.101	-.0699246	.0062459
cohort2004	-.0335591	.019444	-1.73	0.084	-.0716725	.0045543
award_b4_tsd	.0179652	.0112764	1.59	0.111	-.0041383	.0400687
diaward_tsd	-.0004437	.0004404	-1.01	0.314	-.0013069	.0004195
epeb4twp_flag	.0738458	.0117525	6.28	0.000	.0508089	.0968827
ldwb4twp_flag	-.1404289	.0585526	-2.40	0.016	-.2552015	-.0256563
ldwb4epe_flag	.1173256	.0872008	1.35	0.179	-.0536021	.2882533
twpb4tsd	.2654964	.0182581	14.54	0.000	.2297075	.3012852
epeb4tsd	-.1024122	.0094764	-10.81	0.000	-.1209875	-.0838368
ldwb4tsd	-.0522053	.010521	-4.96	0.000	-.0728281	-.0315825
tsd_unemp_mean	0	(omitted)				
tsd_unemp_cng	0	(omitted)				
pial	7.47e-08	.000011	0.01	0.995	-.0000215	.0000216
pia_miss	-.0017795	.0151673	-0.12	0.907	-.0315099	.0279509
ime1	-2.08e-06	3.12e-06	-0.67	0.504	-8.19e-06	4.02e-06
ime_miss	-.0062243	.0067431	-0.92	0.356	-.0194418	.0069932
_cons	.0647943	.0187752	3.45	0.001	.0279919	.1015968

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

eperoll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0020308	.0030048	0.68	0.499	-.0038592 .0079207

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0020308

eperoll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-4.60e-17	.0030048	-0.00	1.000	-.00589 .00589

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.43
 Prob > F = 0.8270

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.46
 Prob > F = 0.4992

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.50
 Prob > F = 0.6790

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_unempny.xls

dir : seeout
 note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity
 note: tsd_unemp_mean omitted because of collinearity
 note: tsd_unemp_cng omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.1419
 Root MSE = .20228

eperoll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	.0004551	.0052137	0.09	0.930	-.0097646	.0106749
imm4_adj_ny	.0053438	.0053444	1.00	0.317	-.0051322	.0158197
imm6_adj_ny	-.0048241	.0037089	-1.30	0.193	-.0120941	.0024459
imm7_adj_ny	-.0029607	.0038408	-0.77	0.441	-.0104893	.0045679
imm8_adj_ny	.0016904	.0039464	0.43	0.668	-.0060451	.009426
male	.0055707	.003795	1.47	0.142	-.0018681	.0130094
gendermiss_flag	0	(omitted)				
tsd_age	-.0015609	.0004388	-3.56	0.000	-.002421	-.0007008
doage2	-.0000265	.0003856	-0.07	0.945	-.0007824	.0007294
doage2miss_flag	0	(omitted)				
race_a	-.0134587	.0123176	-1.09	0.275	-.0376031	.0106858
race_b	.0155057	.0054456	2.85	0.004	.0048315	.0261799
race_h	.0026833	.0066228	0.41	0.685	-.0102984	.015665
race_i	.0453092	.0420918	1.08	0.282	-.0371976	.1278161
race_o	.0173224	.0158803	1.09	0.275	-.0138055	.0484503
race_mis	.0110507	.010888	1.01	0.310	-.0102915	.0323929
tsd_edu_hs	.0059166	.0054946	1.08	0.282	-.0048537	.0166869
tsd_edu_mrhs	.0266869	.0066826	3.99	0.000	.0135878	.0397859
tsd_edu_mis	.015586	.0056732	2.75	0.006	.0044656	.0267065
tsd_mie_exp	-.0062519	.012313	-0.51	0.612	-.0303874	.0178836
tsd_mie_mis	-.002009	.0063184	-0.32	0.751	-.014394	.010376
tsd_mie_psbl	-.0100416	.0061782	-1.63	0.104	-.022152	.0020687
tsd_medicare	-.0188817	.0050509	-3.74	0.000	-.0287824	-.0089811
tsd_medicare_miss	-.0278404	.0159498	-1.75	0.081	-.0591045	.0034237
tsd_depend_1	-.0075833	.0057313	-1.32	0.186	-.0188177	.003651
tsd_depend_2	-.0059414	.0047944	-1.24	0.215	-.0153392	.0034565
tsd_depend_miss	-.0651864	.0185456	-3.51	0.000	-.1015387	-.028834
tsd_vrpr	.0318127	.0091492	3.48	0.001	.0138788	.0497466
tsd_vrpr_miss	.0080693	.0077894	1.04	0.300	-.0071991	.0233378
pdcgrou2	.0034283	.0077447	0.44	0.658	-.0117525	.0186092
pdcgrou3	-.0065554	.0072746	-0.90	0.368	-.0208148	.0077041
pdcgrou4	-.0039417	.006801	-0.58	0.562	-.0172727	.0093894
pdcgrou5	-.0165801	.0134045	-1.24	0.216	-.042855	.0096949
cohort2000	-.0112078	.0072818	-1.54	0.124	-.0254813	.0030656
cohort2001	-.0102901	.0136217	-0.76	0.450	-.0369908	.0164106
cohort2002	-.0135107	.0214935	-0.63	0.530	-.0556415	.02862
cohort2003	-.0530965	.0309266	-1.72	0.086	-.1137177	.0075246

cohort2004	-.0824003	.0288725	-2.85	0.004	-.1389952	-.0258055
award_b4_tsd	.0452247	.0179826	2.51	0.012	.0099758	.0804736
diaward_tsd	-.0009556	.0006092	-1.57	0.117	-.0021497	.0002385
epeb4twp_flag	.0698718	.0151982	4.60	0.000	.0400808	.0996628
ldwb4twp_flag	-.291275	.1248721	-2.33	0.020	-.5360445	-.0465054
ldwb4epe_flag	.3951117	.111947	3.53	0.000	.1756773	.614546
twpb4tsd	.3286702	.019264	17.06	0.000	.2909096	.3664307
epeb4tsd	-.146547	.0112352	-13.04	0.000	-.1685698	-.1245243
ldwb4tsd	-.073968	.0132574	-5.58	0.000	-.0999547	-.0479814
tsd_unemp_mean	0	(omitted)				
tsd_unemp_cng	0	(omitted)				
pial	.0000141	.000015	0.94	0.348	-.0000153	.0000434
pia_miss	.0315596	.0208044	1.52	0.129	-.0092204	.0723396
ime1	-.000011	4.32e-06	-2.56	0.011	-.0000195	-2.57e-06
ime_miss	-.0386615	.0082133	-4.71	0.000	-.0547609	-.0225621
_cons	.1216931	.0248314	4.90	0.000	.0730195	.1703666

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

eperoll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	.0002954	.00404	0.07	0.942	-.0076236	.0082145

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0002954

eperoll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-3.31e-17	.00404	-0.00	1.000	-.007919	.007919

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.57
Prob > F = 0.7226

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.01
Prob > F = 0.9417

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.88
Prob > F = 0.4488

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH1NY_unempny.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: tsd_unemp_mean omitted because of collinearity

note: tsd_unemp_cng omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.1278
 Root MSE = .2413

eperoll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	.000678	.0062261	0.11	0.913	-.0115262	.0128822
imm4_adj_ny	.0100188	.0065735	1.52	0.128	-.0028663	.0229039
imm6_adj_ny	-.0067745	.0044423	-1.52	0.127	-.0154822	.0019332
imm7_adj_ny	-.004446	.0045971	-0.97	0.333	-.013457	.004565
imm8_adj_ny	-.0027483	.0046177	-0.60	0.552	-.0117998	.0063031
male	.0046585	.0045223	1.03	0.303	-.0042059	.0135229
gendermiss_flag	0	(omitted)				
tsd_age	-.0026657	.0005323	-5.01	0.000	-.0037091	-.0016223
doage2	-.0000702	.0004712	-0.15	0.882	-.0009938	.0008535
doage2miss_flag	0	(omitted)				
race_a	-.005886	.0161551	-0.36	0.716	-.0375527	.0257807
race_b	.0218808	.0064319	3.40	0.001	.0092732	.0344885
race_h	.005763	.0079972	0.72	0.471	-.0099128	.0214388
race_i	.0532542	.0495318	1.08	0.282	-.0438361	.1503445
race_o	.0248348	.0195408	1.27	0.204	-.0134683	.0631379
race_mis	.0104534	.0127331	0.82	0.412	-.0145055	.0354123
tsd_edu_hs	.0101642	.006652	1.53	0.127	-.0028748	.0232032
tsd_edu_mrhs	.032149	.0078537	4.09	0.000	.0167544	.0475436
tsd_edu_mis	.0219687	.0067572	3.25	0.001	.0087234	.035214
tsd_mie_exp	-.0055797	.0145403	-0.38	0.701	-.0340809	.0229216
tsd_mie_mis	.0019968	.0073171	0.27	0.785	-.0123458	.0163395
tsd_mie_psbl	-.0067653	.0070792	-0.96	0.339	-.0206416	.007111
tsd_medicare	-.0193866	.0059971	-3.23	0.001	-.031142	-.0076313
tsd_medicare_miss	-.0470198	.0163094	-2.88	0.004	-.0789889	-.0150507
tsd_depend_1	-.007386	.0070019	-1.05	0.292	-.0211107	.0063388
tsd_depend_2	-.007881	.0057735	-1.37	0.172	-.0191981	.0034361
tsd_depend_miss	-.0663649	.0204916	-3.24	0.001	-.1065318	-.026198
tsd_vrpr	.0267242	.011738	2.28	0.023	.0037159	.0497326
tsd_vrpr_miss	-.0140454	.0102968	-1.36	0.173	-.0342287	.006138
pdcgrou2	-.0085574	.0094179	-0.91	0.364	-.027018	.0099032
pdcgrou3	-.0182132	.0090105	-2.02	0.043	-.0358753	-.000551
pdcgrou4	-.0145479	.0084027	-1.73	0.083	-.0310186	.0019228
pdcgrou5	-.0366385	.0169928	-2.16	0.031	-.0699472	-.0033298
cohort2000	-.0145935	.0086365	-1.69	0.091	-.0315224	.0023353
cohort2001	-.0182824	.0160794	-1.14	0.256	-.0498006	.0132358
cohort2002	-.017588	.0258228	-0.68	0.496	-.0682048	.0330288
cohort2003	-.0452994	.0351754	-1.29	0.198	-.1142489	.0236501
cohort2004	-.0546786	.0361455	-1.51	0.130	-.1255296	.0161724
award_b4_tsd	.039666	.0210704	1.88	0.060	-.0016353	.0809673
diaward_tsd	-.0015495	.0007281	-2.13	0.033	-.0029768	-.0001223
epeb4twp_flag	.0653499	.0172379	3.79	0.000	.0315607	.0991391
ldwb4twp_flag	-.3316408	.1336892	-2.48	0.013	-.5936932	-.0695883
ldwb4epe_flag	.433627	.1141178	3.80	0.000	.2099377	.6573163
twpb4tsd	.3452443	.0195054	17.70	0.000	.3070104	.3834781
epeb4tsd	-.1761986	.0118844	-14.83	0.000	-.1994941	-.1529032
ldwb4tsd	-.086588	.0142286	-6.09	0.000	-.1144784	-.0586977
tsd_unemp_mean	0	(omitted)				
tsd_unemp_cng	0	(omitted)				
pia1	.0000384	.0000185	2.07	0.038	2.12e-06	.0000747
pia_miss	.0329732	.0231614	1.42	0.155	-.012427	.0783733
ime1	-.0000192	5.34e-06	-3.59	0.000	-.0000297	-8.72e-06
ime_miss	-.0602624	.0097951	-6.15	0.000	-.0794624	-.0410624

```

-----
      _cons |      .2140544      .0300077      7.13      0.000      .1552344      .2728744
-----

```

```
( 1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0
```

```

-----
      eperoll36 |      Coef.      Std. Err.      t      P>|t|      [95% Conf. Interval]
-----+-----
      (1) |      .0032721      .0048443      0.68      0.499      -.0062236      .0127677
-----

```

```
( 1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -
.0032721
```

```

-----
      eperoll36 |      Coef.      Std. Err.      t      P>|t|      [95% Conf. Interval]
-----+-----
      (1) |      2.13e-17      .0048443      0.00      1.000      -.0094957      .0094957
-----

```

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

```

F( 5, 11974) =      1.01
Prob > F =      0.4101

```

```
( 1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0
```

```

F( 1, 11974) =      0.46
Prob > F =      0.4994

```

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

```

F( 3, 11974) =      1.01
Prob > F =      0.3864

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH1NY_unempny.xls

```

```
dir : seeout
```

- note: gendermiss_flag omitted because of collinearity
- note: doage2miss_flag omitted because of collinearity
- note: tsd_unemp_mean omitted because of collinearity
- note: tsd_unemp_cng omitted because of collinearity

```
Linear regression
```

```

Number of obs =      12023
F( 47, 11974) =      .
Prob > F =      .
R-squared =      0.1209
Root MSE =      .27383

```

```

-----
      eperoll148 |      Coef.      Robust Std. Err.      t      P>|t|      [95% Conf. Interval]
-----+-----
      imm1_adj_ny |      -.0045941      .0068274      -0.67      0.501      -.0179768      .0087887
      imm4_adj_ny |      .0092094      .0073333      1.26      0.209      -.0051651      .0235839
      imm6_adj_ny |      -.0044452      .0051145      -0.87      0.385      -.0144705      .0055801
      imm7_adj_ny |      .0001119      .0053266      0.02      0.983      -.0103292      .010553
-----

```

imm8_adj_ny	-.0017883	.0052651	-0.34	0.734	-.0121088	.0085322
male	.006694	.0051364	1.30	0.193	-.003374	.0167621
gendermiss_flag	0	(omitted)				
tsd_age	-.0035872	.0005988	-5.99	0.000	-.0047609	-.0024135
doage2	.0003557	.0005194	0.68	0.493	-.0006623	.0013738
doage2miss_flag	0	(omitted)				
race_a	-.005078	.018597	-0.27	0.785	-.0415311	.0313752
race_b	.0264837	.0072585	3.65	0.000	.0122558	.0407116
race_h	.0084385	.0091495	0.92	0.356	-.009496	.0263729
race_i	.0588898	.0546526	1.08	0.281	-.0482382	.1660178
race_o	.0311654	.0223383	1.40	0.163	-.0126213	.0749521
race_mis	.002103	.0136409	0.15	0.877	-.0246355	.0288415
tsd_edu_hs	.0091362	.0076719	1.19	0.234	-.0059019	.0241742
tsd_edu_mrhs	.0398207	.0090546	4.40	0.000	.0220723	.0575692
tsd_edu_mis	.0209069	.0077416	2.70	0.007	.0057321	.0360817
tsd_mie_exp	-.0047974	.0162096	-0.30	0.767	-.0365708	.026976
tsd_mie_mis	.0067268	.0082832	0.81	0.417	-.0095096	.0229631
tsd_mie_psbl	-.0057966	.0078507	-0.74	0.460	-.0211853	.0095921
tsd_medicare	-.0196067	.0068029	-2.88	0.004	-.0329414	-.006272
tsd_medicare_miss	-.0498367	.020175	-2.47	0.014	-.0893829	-.0102904
tsd_depend_1	-.0108876	.00788	-1.38	0.167	-.0263337	.0045584
tsd_depend_2	-.0132386	.0065485	-2.02	0.043	-.0260747	-.0004025
tsd_depend_miss	-.0635537	.0225357	-2.82	0.005	-.1077272	-.0193802
tsd_vrpr	.0057862	.0140852	0.41	0.681	-.021823	.0333954
tsd_vrpr_miss	-.054308	.0125734	-4.32	0.000	-.078954	-.029662
pdcgrou2	-.02535	.0107295	-2.36	0.018	-.0463815	-.0043185
pdcgrou3	-.0261441	.0104236	-2.51	0.012	-.0465761	-.0057121
pdcgrou4	-.0256998	.0096687	-2.66	0.008	-.0446521	-.0067475
pdcgrou5	-.0623539	.0205414	-3.04	0.002	-.1026185	-.0220894
cohort2000	-.0077607	.0099041	-0.78	0.433	-.0271744	.011653
cohort2001	-.0129567	.0183344	-0.71	0.480	-.0488951	.0229817
cohort2002	-.0019349	.0293535	-0.07	0.947	-.0594725	.0556028
cohort2003	-.0433399	.0407749	-1.06	0.288	-.1232653	.0365856
cohort2004	-.0013075	.0447444	-0.03	0.977	-.0890138	.0863988
award_b4_tsd	.0355132	.0233868	1.52	0.129	-.0103287	.0813551
diaward_tsd	-.0013779	.0008307	-1.66	0.097	-.0030063	.0002505
epeb4twp_flag	.0559981	.018747	2.99	0.003	.019251	.0927452
ldwb4twp_flag	-.395169	.1531979	-2.58	0.010	-.6954616	-.0948763
ldwb4epe_flag	.5374621	.1118372	4.81	0.000	.318243	.7566812
twpb4tsd	.3442138	.0196562	17.51	0.000	.3056844	.3827431
epeb4tsd	-.2029769	.0122578	-16.56	0.000	-.227004	-.1789497
ldwb4tsd	-.0968905	.014872	-6.51	0.000	-.126042	-.067739
tsd_unemp_mean	0	(omitted)				
tsd_unemp_cng	0	(omitted)				
pial	.000039	.0000207	1.89	0.059	-1.53e-06	.0000795
pia_miss	.0332871	.0257769	1.29	0.197	-.0172398	.0838139
ime1	-.0000241	5.93e-06	-4.07	0.000	-.0000357	-.0000125
ime_miss	-.0826967	.0111359	-7.43	0.000	-.1045249	-.0608686
_cons	.2989421	.0338121	8.84	0.000	.2326649	.3652193

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

eperoll148	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0015063	.0053536	0.28	0.778	-.0089875 .0120002

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0015063

eperoll148	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	2.73e-17	.0053536	0.00	1.000	-.0104938	.0104938

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.47
 Prob > F = 0.7980

- (1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.08
 Prob > F = 0.7784

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.72
 Prob > F = 0.5373

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_unempny.xls
 dir : seeout
 note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity
 note: tsd_unemp_mean omitted because of collinearity
 note: tsd_unemp_cng omitted because of collinearity

Linear regression Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.0275
 Root MSE = .19971

twproll112	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	.0029432	.0053378	0.55	0.581	-.0075197	.0134062
imm4_adj_ny	.0002319	.0052078	0.04	0.964	-.0099762	.01044
imm6_adj_ny	-.0055262	.0036699	-1.51	0.132	-.0127198	.0016673
imm7_adj_ny	.0011237	.0039048	0.29	0.774	-.0065303	.0087776
imm8_adj_ny	-.0007799	.0038267	-0.20	0.839	-.0082808	.0067211
male	.0097189	.0037398	2.60	0.009	.0023883	.0170495
gendermiss_flag	0	(omitted)				
tsd_age	-.0018555	.0004306	-4.31	0.000	-.0026997	-.0010114
doage2	.0005533	.0003759	1.47	0.141	-.0001835	.00129
doage2miss_flag	0	(omitted)				
race_a	-.0082338	.0128367	-0.64	0.521	-.0333957	.0169281
race_b	.0129713	.005295	2.45	0.014	.0025923	.0233503
race_h	.0038504	.0066884	0.58	0.565	-.0092599	.0169607
race_i	.0672013	.0520548	1.29	0.197	-.0348346	.1692371
race_o	-.0010713	.0143068	-0.07	0.940	-.0291149	.0269723
race_mis	-.0085628	.0096175	-0.89	0.373	-.0274147	.0102892
tsd_edu_hs	.0027368	.0057243	0.48	0.633	-.0084837	.0139573
tsd_edu_mrhs	.0150615	.0065703	2.29	0.022	.0021826	.0279405
tsd_edu_mis	.0122956	.0058357	2.11	0.035	.0008566	.0237346

tsd_mie_exp	.0005115	.0115877	0.04	0.965	-.0222023	.0232252
tsd_mie_mis	.0028309	.0062154	0.46	0.649	-.0093523	.015014
tsd_mie_psb1	-.0008506	.0058242	-0.15	0.884	-.0122669	.0105658
tsd_medicare	-.0200786	.0048685	-4.12	0.000	-.0296217	-.0105355
tsd_medicare_miss	-.0279757	.0125841	-2.22	0.026	-.0526426	-.0033089
tsd_depend_1	-.0069684	.0058273	-1.20	0.232	-.0183909	.004454
tsd_depend_2	-.01307	.0046933	-2.78	0.005	-.0222697	-.0038703
tsd_depend_miss	-.0604669	.0187036	-3.23	0.001	-.0971291	-.0238048
tsd_vrpr	-.0032156	.0101578	-0.32	0.752	-.0231265	.0166953
tsd_vrpr_miss	-.0254067	.0091698	-2.77	0.006	-.0433809	-.0074324
pdcgrou2	-.0183853	.0079969	-2.30	0.022	-.0340604	-.0027101
pdcgrou3	-.0190959	.0075405	-2.53	0.011	-.0338765	-.0043154
pdcgrou4	-.0173725	.0071485	-2.43	0.015	-.0313847	-.0033603
pdcgrou5	-.0427358	.0124896	-3.42	0.001	-.0672174	-.0182542
cohort2000	-.0062861	.007115	-0.88	0.377	-.0202327	.0076604
cohort2001	-.0113463	.0130617	-0.87	0.385	-.0369493	.0142568
cohort2002	-.0040002	.0218037	-0.18	0.854	-.0467391	.0387386
cohort2003	-.0528528	.0271553	-1.95	0.052	-.1060817	.000376
cohort2004	-.0613379	.0271955	-2.26	0.024	-.1146455	-.0080303
award_b4_tsd	.0219369	.0184745	1.19	0.235	-.014276	.0581499
diaward_tsd	-.0004565	.0006117	-0.75	0.455	-.0016556	.0007425
epeb4twp_flag	-.0482571	.0108738	-4.44	0.000	-.0695714	-.0269427
ldwb4twp_flag	-.1134867	.0798567	-1.42	0.155	-.2700186	.0430453
ldwb4epe_flag	.1489457	.0955427	1.56	0.119	-.0383336	.3362249
twpb4tsd	-.0514893	.0029394	-17.52	0.000	-.057251	-.0457275
epeb4tsd	-.0354214	.0034484	-10.27	0.000	-.0421809	-.028662
ldwb4tsd	-.0130684	.0036372	-3.59	0.000	-.0201979	-.0059389
tsd_unemp_mean	0	(omitted)				
tsd_unemp_cng	0	(omitted)				
pial	.0000161	.0000129	1.25	0.213	-9.21e-06	.0000414
pia_miss	.0462673	.020218	2.29	0.022	.0066366	.0858979
ime1	-9.65e-06	3.68e-06	-2.62	0.009	-.0000169	-2.44e-06
ime_miss	-.0364183	.007868	-4.63	0.000	-.0518409	-.0209957
_cons	.154339	.0240545	6.42	0.000	.1071883	.2014897

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

twproll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0020073	.0039338	0.51	0.610	-.0057036 .0097182

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0020073

twproll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	8.67e-18	.0039338	0.00	1.000	-.0077109 .0077109

(1) imm1_adj_ny = 0
(2) imm4_adj_ny = 0
(3) imm6_adj_ny = 0
(4) imm7_adj_ny = 0
(5) imm8_adj_ny = 0

F(5, 11974) = 0.52
Prob > F = 0.7620

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.26
 Prob > F = 0.6099

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.65
 Prob > F = 0.5819

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_unempny.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity
 note: tsd_unemp_mean omitted because of collinearity
 note: tsd_unemp_cng omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.0453
 Root MSE = .25164

twproll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	.0006674	.0065776	0.10	0.919	-.0122258	.0135606
imm4_adj_ny	.0048908	.0066973	0.73	0.465	-.008237	.0180186
imm6_adj_ny	-.006086	.0047127	-1.29	0.197	-.0153238	.0031517
imm7_adj_ny	-.0026926	.0048193	-0.56	0.576	-.0121393	.006754
imm8_adj_ny	.0011871	.0048844	0.24	0.808	-.0083871	.0107613
male	.005152	.0047228	1.09	0.275	-.0041055	.0144094
gendermiss_flag	0	(omitted)				
tsd_age	-.0026865	.0005377	-5.00	0.000	-.0037404	-.0016326
doage2	.0007603	.0004782	1.59	0.112	-.000177	.0016976
doage2miss_flag	0	(omitted)				
race_a	-.0008603	.0170814	-0.05	0.960	-.0343426	.032622
race_b	.0189478	.0065501	2.89	0.004	.0061086	.031787
race_h	.0059227	.0084305	0.70	0.482	-.0106024	.0224478
race_i	.1222234	.0650307	1.88	0.060	-.0052474	.2496941
race_o	.0057458	.0192305	0.30	0.765	-.0319491	.0434407
race_mis	-.0085107	.0125007	-0.68	0.496	-.0330141	.0159928
tsd_edu_hs	.0041925	.0073046	0.57	0.566	-.0101256	.0185107
tsd_edu_mrhs	.0174875	.0083478	2.09	0.036	.0011244	.0338506
tsd_edu_mis	.0097701	.0073457	1.33	0.184	-.0046288	.0241689
tsd_mie_exp	.0249161	.015637	1.59	0.111	-.005735	.0555673
tsd_mie_mis	.0073811	.0075041	0.98	0.325	-.0073282	.0220904
tsd_mie_psbl	.0083406	.0070479	1.18	0.237	-.0054744	.0221556
tsd_medicare	-.0301396	.0061925	-4.87	0.000	-.0422779	-.0180013
tsd_medicare_miss	-.0516109	.0134628	-3.83	0.000	-.0780002	-.0252216
tsd_depend_1	-.0112711	.0073195	-1.54	0.124	-.0256186	.0030763
tsd_depend_2	-.0151798	.0061023	-2.49	0.013	-.0271414	-.0032182
tsd_depend_miss	-.0748072	.0215259	-3.48	0.001	-.1170014	-.0326131
tsd_vrpr	-.012137	.0132763	-0.91	0.361	-.0381607	.0138867
tsd_vrpr_miss	-.0646505	.0119931	-5.39	0.000	-.088159	-.041142
pdcgrou2	-.0363754	.0098792	-3.68	0.000	-.0557403	-.0170106
pdcgrou3	-.0241751	.0097425	-2.48	0.013	-.0432721	-.0050781
pdcgrou4	-.0256393	.0090457	-2.83	0.005	-.0433702	-.0079083
pdcgrou5	-.0695004	.0177036	-3.93	0.000	-.1042023	-.0347985
cohort2000	-.0187419	.0089527	-2.09	0.036	-.0362906	-.0011931

cohort2001	-.0316482	.0165421	-1.91	0.056	-.0640734	.000777
cohort2002	-.0168279	.0277104	-0.61	0.544	-.0711448	.037489
cohort2003	-.0503162	.0342979	-1.47	0.142	-.1175457	.0169132
cohort2004	-.0786217	.0337454	-2.33	0.020	-.1447681	-.0124752
award_b4_tsd	.0105327	.0225509	0.47	0.640	-.0336707	.0547362
diaward_tsd	-.0014237	.0007695	-1.85	0.064	-.002932	.0000846
epeb4twp_flag	-.0684379	.0137846	-4.96	0.000	-.0954579	-.0414179
ldwb4twp_flag	-.1760568	.115904	-1.52	0.129	-.4032474	.0511338
ldwb4epe_flag	.2503681	.1134991	2.21	0.027	.0278914	.4728447
twpb4tsd	-.085862	.003934	-21.83	0.000	-.0935733	-.0781508
epeb4tsd	-.057627	.0048713	-11.83	0.000	-.0671755	-.0480786
ldwb4tsd	-.0192682	.0056693	-3.40	0.001	-.0303809	-.0081554
tsd_unemp_mean	0	(omitted)				
tsd_unemp_cng	0	(omitted)				
pial	.000032	.0000179	1.79	0.073	-2.97e-06	.0000671
pia_miss	.0650066	.0241052	2.70	0.007	.0177564	.1122567
ime1	-.0000162	5.29e-06	-3.06	0.002	-.0000266	-5.85e-06
ime_miss	-.0598305	.0102617	-5.83	0.000	-.0799451	-.039716
_cons	.2782621	.0306892	9.07	0.000	.2181064	.3384179

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

twproll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0020333	.0048988	0.42	0.678	-.0075692 .0116357

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0020333

twproll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	1.43e-17	.0048988	0.00	1.000	-.0096025 .0096025

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.47
Prob > F = 0.8015

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.17
Prob > F = 0.6781

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.63
Prob > F = 0.5973

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH1NY_unempny.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity
 note: tsd_unemp_mean omitted because of collinearity
 note: tsd_unemp_cng omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.0572
 Root MSE = .2898

twproll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	.0009658	.00758	0.13	0.899	-.0138922	.0158239
imm4_adj_ny	-.0013978	.0074495	-0.19	0.851	-.0160001	.0132045
imm6_adj_ny	-.0061033	.0054537	-1.12	0.263	-.0167934	.0045867
imm7_adj_ny	.0001409	.0055883	0.03	0.980	-.0108131	.0110949
imm8_adj_ny	.0042707	.0056716	0.75	0.451	-.0068465	.0153879
male	.0123321	.005431	2.27	0.023	.0016864	.0229778
gendermiss_flag	0	(omitted)				
tsd_age	-.0037019	.0006234	-5.94	0.000	-.0049239	-.0024799
doage2	.0010112	.0005539	1.83	0.068	-.0000745	.0020969
doage2miss_flag	0	(omitted)				
race_a	.0162854	.0211929	0.77	0.442	-.0252561	.0578269
race_b	.0185764	.0074357	2.50	0.012	.0040013	.0331515
race_h	.0059472	.0097163	0.61	0.540	-.0130982	.0249927
race_i	.0938192	.0650256	1.44	0.149	-.0336415	.2212798
race_o	.0043742	.0222079	0.20	0.844	-.0391569	.0479054
race_mis	-.0158924	.0141003	-1.13	0.260	-.0435313	.0117465
tsd_edu_hs	.01379	.0083831	1.64	0.100	-.0026422	.0302221
tsd_edu_mrhs	.0324	.0095963	3.38	0.001	.0135898	.0512103
tsd_edu_mis	.0159086	.0084017	1.89	0.058	-.000056	.0323772
tsd_mie_exp	.0196523	.0173543	1.13	0.257	-.0143648	.0536695
tsd_mie_mis	.0050921	.0085775	0.59	0.553	-.0117213	.0219055
tsd_mie_psbl	.0110333	.0081099	1.36	0.174	-.0048635	.0269301
tsd_medicare	-.0299272	.0070511	-4.24	0.000	-.0437484	-.016106
tsd_medicare_miss	-.0590433	.0179654	-3.29	0.001	-.0942583	-.0238283
tsd_depend_1	-.0099266	.0084568	-1.17	0.240	-.0265033	.0066501
tsd_depend_2	-.0172199	.0069846	-2.47	0.014	-.0309109	-.0035289
tsd_depend_miss	-.0567199	.0229122	-2.48	0.013	-.1016314	-.0118083
tsd_vrpr	-.0397395	.0154361	-2.57	0.010	-.0699969	-.0094822
tsd_vrpr_miss	-.1083603	.0140561	-7.71	0.000	-.1359125	-.080808
pdcgrou2	-.0528856	.0114136	-4.63	0.000	-.0752581	-.0305131
pdcgrou3	-.0352975	.0112491	-3.14	0.002	-.0573476	-.0132473
pdcgrou4	-.0396581	.010359	-3.83	0.000	-.0599634	-.0193529
pdcgrou5	-.0237174	.0721013	-0.33	0.742	-.1650476	.1176128
cohort2000	-.0138047	.0105635	-1.31	0.191	-.0345109	.0069016
cohort2001	-.026954	.0194856	-1.38	0.167	-.065149	.0112409
cohort2002	-.0004867	.0316407	-0.02	0.988	-.0625076	.0615341
cohort2003	-.0405543	.0412948	-0.98	0.326	-.1214987	.0403902
cohort2004	-.0361886	.0434237	-0.83	0.405	-.1213061	.048929
award_b4_tsd	.0105508	.0248963	0.42	0.672	-.03825	.0593517
diaward_tsd	-.0011422	.0008951	-1.28	0.202	-.0028967	.0006123
epeb4twp_flag	-.0896283	.0161401	-5.55	0.000	-.1212655	-.0579911
ldwb4twp_flag	-.2108473	.1344148	-1.57	0.117	-.4743221	.0526276
ldwb4epe_flag	.2921541	.1180876	2.47	0.013	.0606832	.523625
twpb4tsd	-.1178518	.0047066	-25.04	0.000	-.1270774	-.1086261
epeb4tsd	-.0812553	.0061579	-13.20	0.000	-.0933258	-.0691848
ldwb4tsd	-.0263076	.0074963	-3.51	0.000	-.0410016	-.0116136
tsd_unemp_mean	0	(omitted)				
tsd_unemp_cng	0	(omitted)				
pial	.0000361	.000021	1.72	0.086	-5.14e-06	.0000773

pia_miss		.0493091	.0263748	1.87	0.062	-.0023898	.101008
ime1		-.0000227	6.21e-06	-3.65	0.000	-.0000348	-.0000105
ime_miss		-.0826209	.0119529	-6.91	0.000	-.1060505	-.0591913
_cons		.3733978	.035282	10.58	0.000	.3042394	.4425561

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

twproll36		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)		.0021237	.0055756	0.38	0.703	-.0088054 .0130529

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0021237

twproll36		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)		2.43e-17	.0055756	0.00	1.000	-.0109291 .0109291

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.36
 Prob > F = 0.8748

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.15
 Prob > F = 0.7033

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.52
 Prob > F = 0.6695

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_unempny.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity
 note: tsd_unemp_mean omitted because of collinearity
 note: tsd_unemp_cng omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.0703
 Root MSE = .31058

twproll48		Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
imm1_adj_ny		-.0048828	.007962	-0.61	0.540	-.0204897 .010724

imm4_adj_ny	-.001127	.00801	-0.14	0.888	-.0168279	.0145739
imm6_adj_ny	-.0035468	.0058782	-0.60	0.546	-.0150691	.0079755
imm7_adj_ny	-.0021487	.0059552	-0.36	0.718	-.0138219	.0095245
imm8_adj_ny	.010753	.0061357	1.75	0.080	-.0012739	.02278
male	.0114515	.0058327	1.96	0.050	.0000185	.0228845
gendermiss_flag	0	(omitted)				
tsd_age	-.0041841	.0006742	-6.21	0.000	-.0055057	-.0028625
doage2	.0010156	.0005984	1.70	0.090	-.0001574	.0021887
doage2miss_flag	0	(omitted)				
race_a	.022925	.0230298	1.00	0.320	-.0222172	.0680672
race_b	.0217492	.0079622	2.73	0.006	.0061419	.0373565
race_h	.0021437	.0102885	0.21	0.835	-.0180234	.0223108
race_i	.098829	.0690721	1.43	0.153	-.0365636	.2342216
race_o	.0004926	.0236944	0.02	0.983	-.0459523	.0469376
race_mis	-.025249	.014543	-1.74	0.083	-.0537556	.0032576
tsd_edu_hs	.0158646	.0090674	1.75	0.080	-.0019089	.0336382
tsd_edu_mrhs	.0326421	.0102544	3.18	0.001	.0125418	.0527424
tsd_edu_mis	.0126003	.0090027	1.40	0.162	-.0050465	.0302472
tsd_mie_exp	.0187656	.0180978	1.04	0.300	-.016709	.0542402
tsd_mie_mis	.0082653	.0091779	0.90	0.368	-.0097249	.0262554
tsd_mie_psbl	.0166665	.0086382	1.93	0.054	-.0002657	.0335988
tsd_medicare	-.0341386	.0076448	-4.47	0.000	-.0491237	-.0191535
tsd_medicare_miss	-.0729394	.0184301	-3.96	0.000	-.1090654	-.0368134
tsd_depend_1	-.003379	.0090536	-0.37	0.709	-.0211256	.0143676
tsd_depend_2	-.0069657	.0075378	-0.92	0.355	-.021741	.0078096
tsd_depend_miss	-.0744226	.0251904	-2.95	0.003	-.1238	-.0250453
tsd_vrpr	-.0582037	.0165756	-3.51	0.000	-.0906945	-.025713
tsd_vrpr_miss	-.1435482	.01509	-9.51	0.000	-.1731271	-.1139693
pdcgrou2	-.061031	.0121315	-5.03	0.000	-.0848108	-.0372513
pdcgrou3	-.0321732	.0119602	-2.69	0.007	-.0556171	-.0087293
pdcgrou4	-.0424403	.0109409	-3.88	0.000	-.0638863	-.0209942
pdcgrou5	-.0395765	.0711791	-0.56	0.578	-.1790991	.0999461
cohort2000	-.0149103	.0113225	-1.32	0.188	-.0371041	.0072836
cohort2001	-.019513	.0209009	-0.93	0.351	-.0604821	.0214561
cohort2002	.0070818	.0337776	0.21	0.834	-.0591278	.0732914
cohort2003	-.0135267	.0448199	-0.30	0.763	-.1013809	.0743274
cohort2004	-.018224	.0465765	-0.39	0.696	-.1095216	.0730735
award_b4_tsd	.0053217	.0261742	0.20	0.839	-.045984	.0566275
diaward_tsd	-.0010471	.000965	-1.09	0.278	-.0029386	.0008445
epeb4twp_flag	-.1039808	.0174573	-5.96	0.000	-.1382	-.0697616
ldwb4twp_flag	-.2993534	.1817584	-1.65	0.100	-.6556294	.0569225
ldwb4epe_flag	.4686202	.1131272	4.14	0.000	.2468725	.6903679
twpb4tsd	-.1385805	.0052764	-26.26	0.000	-.148923	-.1282379
epeb4tsd	-.0948481	.0070648	-13.43	0.000	-.1086962	-.0809999
ldwb4tsd	-.0298321	.0089031	-3.35	0.001	-.0472837	-.0123806
tsd_unemp_mean	0	(omitted)				
tsd_unemp_cng	0	(omitted)				
pial	.000036	.0000223	1.62	0.105	-7.58e-06	.0000797
pia_miss	.0711933	.0287367	2.48	0.013	.0148647	.1275219
ime1	-.0000282	6.59e-06	-4.28	0.000	-.0000411	-.0000153
ime_miss	-.0989457	.0127321	-7.77	0.000	-.1239027	-.0739887
_cons	.44217	.0380463	11.62	0.000	.3675931	.516747

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

twproll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0009523	.0059369	0.16	0.873	-.010685 .0125895

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = - .0009523

twproll148	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-1.93e-17	.0059369	-0.00	1.000	-.0116373	.0116373

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.69
 Prob > F = 0.6318

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.03
 Prob > F = 0.8726

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.72
 Prob > F = 0.5420

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_unempny.xls

dir : seeout
 note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity
 note: tsd_unemp_mean omitted because of collinearity
 note: tsd_unemp_cng omitted because of collinearity

Linear regression Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.3168
 Root MSE = .15346

srvroll112	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	.0103224	.0044408	2.32	0.020	.0016177	.0190271
imm4_adj_ny	.0026224	.0043918	0.60	0.550	-.0059863	.0112312
imm6_adj_ny	.0021387	.0031189	0.69	0.493	-.0039748	.0082522
imm7_adj_ny	-.0042866	.00281	-1.53	0.127	-.0097946	.0012214
imm8_adj_ny	-.0048274	.0028474	-1.70	0.090	-.0104089	.000754
male	-.0009627	.0029697	-0.32	0.746	-.0067838	.0048584
gendermiss_flag	0	(omitted)				
tsd_age	-.0000559	.0004017	-0.14	0.889	-.0008434	.0007315
doage2	-.0000134	.0003841	-0.03	0.972	-.0007662	.0007394
doage2miss_flag	0	(omitted)				
race_a	.0056984	.011039	0.52	0.606	-.0159397	.0273366
race_b	.0005238	.003946	0.13	0.894	-.0072109	.0082585
race_h	.0010739	.0047062	0.23	0.820	-.0081511	.0102989
race_i	-.0033878	.0313214	-0.11	0.914	-.0647829	.0580073
race_o	.0256987	.0133062	1.93	0.053	-.0003835	.051781

race_mis	.0004098	.0091976	0.04	0.964	-.0176191	.0184386
tsd_edu_hs	-.0017856	.0044978	-0.40	0.691	-.010602	.0070308
tsd_edu_mrhs	-.0019774	.005149	-0.38	0.701	-.0120703	.0081155
tsd_edu_mis	.0006668	.0049685	0.13	0.893	-.0090722	.0104058
tsd_mie_exp	.0034169	.0096077	0.36	0.722	-.0154158	.0222495
tsd_mie_mis	-.0100063	.0049132	-2.04	0.042	-.019637	-.0003757
tsd_mie_psbl	-.0061545	.0046195	-1.33	0.183	-.0152094	.0029004
tsd_medicare	-.0034315	.003848	-0.89	0.373	-.0109742	.0041113
tsd_medicare_miss	-.0121472	.0053836	-2.26	0.024	-.0226999	-.0015946
tsd_depend_1	.0016816	.0041082	0.41	0.682	-.006371	.0097343
tsd_depend_2	-.0011005	.0033847	-0.33	0.745	-.0077351	.0055341
tsd_depend_miss	-.0057269	.0147233	-0.39	0.697	-.034587	.0231332
tsd_vrpr	-.3790448	.0170618	-22.22	0.000	-.4124887	-.3456009
tsd_vrpr_miss	-.4051587	.0167697	-24.16	0.000	-.4380301	-.3722873
pdcgrou2	-.0089459	.0061898	-1.45	0.148	-.0210788	.0031871
pdcgrou3	-.001761	.0055527	-0.32	0.751	-.0126451	.0091231
pdcgrou4	-.0041726	.0053464	-0.78	0.435	-.0146524	.0063072
pdcgrou5	-.0150244	.0085712	-1.75	0.080	-.0318253	.0017766
cohort2000	-.0098939	.0057824	-1.71	0.087	-.0212283	.0014405
cohort2001	-.0191621	.0103732	-1.85	0.065	-.0394952	.001171
cohort2002	-.0109374	.017422	-0.63	0.530	-.0450874	.0232126
cohort2003	-.0523429	.0219702	-2.38	0.017	-.0954081	-.0092776
cohort2004	-.0739158	.0230331	-3.21	0.001	-.1190644	-.0287672
award_b4_tsd	-.0117334	.0136648	-0.86	0.391	-.0385186	.0150518
diaward_tsd	-.0007017	.000476	-1.47	0.140	-.0016346	.0002313
epeb4twp_flag	-.0172311	.0126704	-1.36	0.174	-.042067	.0076049
ldwb4twp_flag	.1898943	.1661356	1.14	0.253	-.1357584	.515547
ldwb4epe_flag	-.0085772	.0476232	-0.18	0.857	-.1019263	.0847719
twpb4tsd	.0025258	.0079405	0.32	0.750	-.0130388	.0180904
epeb4tsd	.0055224	.0104755	0.53	0.598	-.0150112	.0260561
ldwb4tsd	-.0112773	.0093983	-1.20	0.230	-.0296995	.007145
tsd_unemp_mean	0	(omitted)				
tsd_unemp_cng	0	(omitted)				
pial	-3.35e-06	.0000126	-0.27	0.790	-.000028	.0000213
pia_miss	.0055986	.016755	0.33	0.738	-.0272439	.0384411
ime1	2.41e-07	3.55e-06	0.07	0.946	-6.71e-06	7.19e-06
ime_miss	-.0020528	.0072251	-0.28	0.776	-.0162152	.0121096
_cons	.4502017	.0248567	18.11	0.000	.4014786	.4989249

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

srvroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0059695	.0028796	-2.07	0.038	-.011614 - .000325

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = .0059695

srvroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	1.65e-17	.0028796	0.00	1.000	-.0056445 .0056445

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 2.34

Prob > F = 0.0396

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 4.30
 Prob > F = 0.0382

(1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
 (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
 (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.34
 Prob > F = 0.7985

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\LPM_PH1NY_unempny.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: tsd_unemp_mean omitted because of collinearity

note: tsd_unemp_cng omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.4261
 Root MSE = .18046

-----		Robust				
-----	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	-----
srvroll24						
imm1_adj_ny	.0059696	.0050333	1.19	0.236	-.0038965 .0158358	
imm4_adj_ny	.0003405	.0048963	0.07	0.945	-.0092571 .009938	
imm6_adj_ny	-.001289	.0035545	-0.36	0.717	-.0082565 .0056785	
imm7_adj_ny	-.0010222	.0032978	-0.31	0.757	-.0074866 .0054421	
imm8_adj_ny	-.0024668	.0034114	-0.72	0.470	-.0091538 .0042201	
male	-.0029111	.0034538	-0.84	0.399	-.009681 .0038589	
gendermiss_flag	0	(omitted)				
tsd_age	-.0006655	.0004783	-1.39	0.164	-.0016031 .000272	
doage2	-.0001749	.0004546	-0.38	0.700	-.0010659 .0007162	
doage2miss_flag	0	(omitted)				
race_a	-.0031036	.0129543	-0.24	0.811	-.0284961 .0222889	
race_b	-.0099007	.0045228	-2.19	0.029	-.0187661 -.0010353	
race_h	-.0040293	.0052232	-0.77	0.440	-.0142677 .0062091	
race_i	-.0020899	.0330364	-0.06	0.950	-.0668465 .0626668	
race_o	.0167429	.0142019	1.18	0.238	-.0110951 .044581	
race_mis	-.0050575	.010117	-0.50	0.617	-.0248884 .0147734	
tsd_edu_hs	.0003851	.0051609	0.07	0.941	-.0097312 .0105014	
tsd_edu_mrhs	.0021232	.0059853	0.35	0.723	-.009609 .0138553	
tsd_edu_mis	-.0025953	.0056407	-0.46	0.645	-.0136521 .0084614	
tsd_mie_exp	-.0145903	.0100641	-1.45	0.147	-.0343176 .0051371	
tsd_mie_mis	-.0162666	.0061099	-2.66	0.008	-.028243 -.0042902	
tsd_mie_psbl	-.0135001	.0057572	-2.34	0.019	-.0247851 -.0022151	
tsd_medicare	-.0108785	.0045931	-2.37	0.018	-.0198818 -.0018753	
tsd_medicare_miss	-.0100726	.0132502	-0.76	0.447	-.036045 .0158999	
tsd_depend_1	-.0026433	.0046591	-0.57	0.570	-.011776 .0064893	
tsd_depend_2	-.003606	.0038534	-0.94	0.349	-.0111593 .0039474	
tsd_depend_miss	.0026459	.018076	0.15	0.884	-.0327861 .0380778	
tsd_vrpr	-.5446617	.0173495	-31.39	0.000	-.5786694 -.5106539	
tsd_vrpr_miss	-.6014004	.0165957	-36.24	0.000	-.6339307 -.5688702	
pdcgroup2	-.0109107	.0071566	-1.52	0.127	-.0249389 .0031174	
pdcgroup3	-.0113704	.0061601	-1.85	0.065	-.0234453 .0007045	

pdcgrou4	-.0060975	.0060509	-1.01	0.314	-.0179583	.0057633
pdcgrou5	.0443242	.0705294	0.63	0.530	-.0939248	.1825732
cohort2000	.006378	.0068656	0.93	0.353	-.0070797	.0198356
cohort2001	.0082473	.0122905	0.67	0.502	-.0158441	.0323387
cohort2002	.0290843	.0190562	1.53	0.127	-.0082691	.0664376
cohort2003	-.002221	.0295479	-0.08	0.940	-.0601396	.0556976
cohort2004	-.0828389	.0299683	-2.76	0.006	-.1415817	-.0240961
award_b4_tsd	-.0161168	.0146599	-1.10	0.272	-.0448526	.0126189
diaward_tsd	.0004247	.0005526	0.77	0.442	-.0006585	.001508
epeb4twp_flag	-.0295828	.0156172	-1.89	0.058	-.060195	.0010294
ldwb4twp_flag	.1270869	.1076175	1.18	0.238	-.0838609	.3380347
ldwb4epe_flag	-.0371495	.0468665	-0.79	0.428	-.1290155	.0547164
twpb4tsd	-.0043641	.0090752	-0.48	0.631	-.0221529	.0134247
epeb4tsd	.0181159	.0135999	1.33	0.183	-.0085421	.0447739
ldwb4tsd	-.0258701	.0129696	-1.99	0.046	-.0512927	-.0004475
tsd_unemp_mean	0	(omitted)				
tsd_unemp_cng	0	(omitted)				
pial	.0000114	.0000153	0.74	0.457	-.0000186	.0000413
pia_miss	-.0049621	.0205291	-0.24	0.809	-.0452025	.0352783
ime1	-3.46e-06	4.48e-06	-0.77	0.439	-.0000122	5.31e-06
ime_miss	-.0018832	.0088822	-0.21	0.832	-.0192939	.0155274
_cons	.6541852	.0263047	24.87	0.000	.6026237	.7057466

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

srvroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-.001532	.0035129	-0.44	0.663	-.0084178	.0053539

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = .001532

srvroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	1.52e-18	.0035129	0.00	1.000	-.0068859	.0068859

(1) imm1_adj_ny = 0

(2) imm4_adj_ny = 0

(3) imm6_adj_ny = 0

(4) imm7_adj_ny = 0

(5) imm8_adj_ny = 0

F(5, 11974) = 0.34
Prob > F = 0.8881

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.19
Prob > F = 0.6628

(1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0

(2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0

(3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.05
Prob > F = 0.9831

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\LPM_PH1NY_unempny.xls

dir : seeout
 note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity
 note: tsd_unemp_mean omitted because of collinearity
 note: tsd_unemp_cng omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.5499
 Root MSE = .1761

srvroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	.0052716	.0051174	1.03	0.303	-.0047594	.0153026
imm4_adj_ny	-.0004418	.0048781	-0.09	0.928	-.0100037	.0091201
imm6_adj_ny	-.0029268	.0034326	-0.85	0.394	-.0096552	.0038016
imm7_adj_ny	-.0004408	.0031283	-0.14	0.888	-.0065728	.0056911
imm8_adj_ny	-.0006107	.0033659	-0.18	0.856	-.0072084	.005987
male	-.0012151	.0033719	-0.36	0.719	-.0078247	.0053944
gendermiss_flag	0	(omitted)				
tsd_age	-.0008887	.0004722	-1.88	0.060	-.0018144	.0000369
doage2	.0001373	.0004462	0.31	0.758	-.0007373	.0010119
doage2miss_flag	0	(omitted)				
race_a	-.0119219	.013063	-0.91	0.361	-.0375275	.0136837
race_b	-.006043	.0044033	-1.37	0.170	-.0146741	.0025882
race_h	-.004972	.0051961	-0.96	0.339	-.0151572	.0052133
race_i	.0142807	.0273865	0.52	0.602	-.0394014	.0679627
race_o	.0018502	.01383	0.13	0.894	-.0252588	.0289592
race_mis	-.006698	.0098638	-0.68	0.497	-.0260326	.0126366
tsd_edu_hs	.0040852	.0050857	0.80	0.422	-.0058836	.0140541
tsd_edu_mrhs	.0067829	.0059023	1.15	0.251	-.0047866	.0183523
tsd_edu_mis	-.0027955	.0055383	-0.50	0.614	-.0136515	.0080604
tsd_mie_exp	-.0235717	.0095578	-2.47	0.014	-.0423066	-.0048369
tsd_mie_mis	-.0164284	.0060676	-2.71	0.007	-.0283218	-.0045349
tsd_mie_psbl	-.0159715	.0056241	-2.84	0.005	-.0269957	-.0049473
tsd_medicare	-.0110227	.004515	-2.44	0.015	-.0198728	-.0021725
tsd_medicare_miss	-.0037591	.011724	-0.32	0.748	-.0267401	.0192219
tsd_depend_1	-.0058156	.004643	-1.25	0.210	-.0149165	.0032854
tsd_depend_2	-.0054564	.0037152	-1.47	0.142	-.0127388	.001826
tsd_depend_miss	.0031402	.0185028	0.17	0.865	-.0331283	.0394086
tsd_vrpr	-.6905556	.0153704	-44.93	0.000	-.7206842	-.6604271
tsd_vrpr_miss	-.7549625	.0143625	-52.56	0.000	-.7831153	-.7268097
pdcgrou2	-.0106574	.0069983	-1.52	0.128	-.0243752	.0030604
pdcgrou3	-.0111333	.0059249	-1.88	0.060	-.0227471	.0004804
pdcgrou4	-.0021391	.0058546	-0.37	0.715	-.0136151	.0093368
pdcgrou5	.0421425	.0701515	0.60	0.548	-.0953658	.1796509
cohort2000	.0108198	.0066256	1.63	0.102	-.0021676	.0238071
cohort2001	.0171465	.0117107	1.46	0.143	-.0058083	.0401013
cohort2002	.0274519	.0180619	1.52	0.129	-.0079524	.0628562
cohort2003	-.0241927	.028406	-0.85	0.394	-.079873	.0314876
cohort2004	-.0985182	.0311353	-3.16	0.002	-.1595485	-.0374878
award_b4_tsd	.0003155	.0139992	0.02	0.982	-.0271253	.0277562
diaward_tsd	.0006671	.0005283	1.26	0.207	-.0003685	.0017026
epeb4twp_flag	-.0300207	.0146172	-2.05	0.040	-.0586728	-.0013685
ldwb4twp_flag	.0691173	.0649649	1.06	0.287	-.0582245	.196459
ldwb4epe_flag	-.0590639	.050302	-1.17	0.240	-.1576639	.0395361
twpb4tsd	-.0007738	.0088439	-0.09	0.930	-.0181093	.0165616
epeb4tsd	.0147211	.0124669	1.18	0.238	-.0097161	.0391583
ldwb4tsd	-.0234366	.0116183	-2.02	0.044	-.0462103	-.0006629
tsd_unemp_mean	0	(omitted)				

tsd_unemp_cng		0	(omitted)				
pial		8.39e-06	.0000156	0.54	0.590	-.0000221	.0000389
pia_miss		-.004777	.0210357	-0.23	0.820	-.0460103	.0364563
ime1		-2.93e-06	4.56e-06	-0.64	0.521	-.0000119	6.01e-06
ime_miss		.0023484	.0088712	0.26	0.791	-.0150406	.0197375
_cons		.7963042	.0247172	32.22	0.000	.7478544	.844754

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

srvroll136		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)		-.0008515	.0034595	-0.25	0.806	-.0076326 .0059297

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = .0008515

srvroll136		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)		2.33e-17	.0034595	0.00	1.000	-.0067811 .0067811

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.28
 Prob > F = 0.9218

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.06
 Prob > F = 0.8056

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.29
 Prob > F = 0.8358

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_unempny.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: tsd_unemp_mean omitted because of collinearity

note: tsd_unemp_cng omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.6460
 Root MSE = .16642

srvroll148		Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]

imm1_adj_ny	.0070453	.0049644	1.42	0.156	-.0026857	.0167762
imm4_adj_ny	-.0009055	.0045911	-0.20	0.844	-.0099049	.0080938
imm6_adj_ny	-.0018408	.0031891	-0.58	0.564	-.008092	.0044104
imm7_adj_ny	.0000441	.0029555	0.01	0.988	-.0057492	.0058374
imm8_adj_ny	-.0035646	.0031711	-1.12	0.261	-.0097804	.0026512
male	-.0044709	.0032	-1.40	0.162	-.0107434	.0018017
gendermiss_flag	0	(omitted)				
tsd_age	-.0007759	.0004413	-1.76	0.079	-.0016409	.0000892
doage2	-.0000814	.0004133	-0.20	0.844	-.0008916	.0007287
doage2miss_flag	0	(omitted)				
race_a	-.0077024	.0130097	-0.59	0.554	-.0332034	.0177987
race_b	-.0012804	.0041936	-0.31	0.760	-.0095005	.0069398
race_h	-.0058605	.0050571	-1.16	0.247	-.0157732	.0040523
race_i	.0049887	.0259088	0.19	0.847	-.0457968	.0557742
race_o	.0103904	.010536	0.99	0.324	-.0102618	.0310426
race_mis	-.0030559	.0091263	-0.33	0.738	-.020945	.0148331
tsd_edu_hs	.0018818	.0049941	0.38	0.706	-.0079075	.011671
tsd_edu_mrhs	.0056161	.0056228	1.00	0.318	-.0054054	.0166376
tsd_edu_mis	-.0005848	.0053571	-0.11	0.913	-.0110856	.009916
tsd_mie_exp	-.0135876	.0084166	-1.61	0.106	-.0300855	.0029103
tsd_mie_mis	-.0142185	.0058258	-2.44	0.015	-.0256381	-.0027989
tsd_mie_psbl	-.0162278	.0054715	-2.97	0.003	-.0269528	-.0055028
tsd_medicare	-.0110604	.0042674	-2.59	0.010	-.0194252	-.0026956
tsd_medicare_miss	.004369	.0159277	0.27	0.784	-.0268519	.0355898
tsd_depend_1	-.0065399	.0044465	-1.47	0.141	-.0152557	.0021759
tsd_depend_2	-.0064712	.00348	-1.86	0.063	-.0132925	.0003502
tsd_depend_miss	-.0105232	.0180182	-0.58	0.559	-.0458418	.0247953
tsd_vrpr	-.8036892	.0121477	-66.16	0.000	-.8275007	-.7798777
tsd_vrpr_miss	-.8735422	.0106369	-82.12	0.000	-.8943922	-.8526923
pdcgrou2	-.0121408	.0065935	-1.84	0.066	-.0250652	.0007836
pdcgrou3	-.0128557	.0055007	-2.34	0.019	-.023638	-.0020734
pdcgrou4	-.0037437	.0054386	-0.69	0.491	-.0144043	.0069169
pdcgrou5	.0406211	.0702609	0.58	0.563	-.0971016	.1783437
cohort2000	.0132649	.0063646	2.08	0.037	.0007892	.0257406
cohort2001	.0237787	.0110375	2.15	0.031	.0021435	.045414
cohort2002	.0253904	.0170202	1.49	0.136	-.007972	.0587528
cohort2003	-.0171845	.030087	-0.57	0.568	-.0761599	.0417909
cohort2004	-.1132986	.0332193	-3.41	0.001	-.1784138	-.0481833
award_b4_tsd	.0044584	.0136107	0.33	0.743	-.0222209	.0311376
diaward_tsd	.0008985	.0004996	1.80	0.072	-.0000808	.0018778
epeb4twp_flag	-.0315356	.0151565	-2.08	0.037	-.0612448	-.0018264
ldwb4twp_flag	.0109122	.0460535	0.24	0.813	-.0793601	.1011845
ldwb4epe_flag	-.0111549	.0173405	-0.64	0.520	-.0451452	.0228354
twpb4tsd	-.0056432	.0083077	-0.68	0.497	-.0219276	.0106413
epeb4tsd	.0125272	.0132471	0.95	0.344	-.0134393	.0384937
ldwb4tsd	-.0289462	.0118089	-2.45	0.014	-.0520936	-.0057989
tsd_unemp_mean	0	(omitted)				
tsd_unemp_cng	0	(omitted)				
pial	-5.30e-07	.0000145	-0.04	0.971	-.0000289	.0000278
pia_miss	-.0035255	.0200545	-0.18	0.860	-.0428355	.0357845
ime1	-4.32e-07	4.15e-06	-0.10	0.917	-8.56e-06	7.70e-06
ime_miss	-.0000531	.0080682	-0.01	0.995	-.0158682	.0157619
_cons	.9194857	.0214498	42.87	0.000	.8774406	.9615309

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

srvroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0007784	.003313	-0.23	0.814	-.0072724 .0057156

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = .0007784

srvroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	1.80e-17	.003313	0.00	1.000	-.006494	.006494

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.55
 Prob > F = 0.7352

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.06
 Prob > F = 0.8142

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.30
 Prob > F = 0.8235

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_unempny.xls
 dir : seeout
 note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity
 note: tsd_unemp_mean omitted because of collinearity
 note: tsd_unemp_cng omitted because of collinearity

Linear regression Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.4933
 Root MSE = 1.0545

nstwl2	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	-.0517383	.0255381	-2.03	0.043	-.1017971	-.0016796
imm4_adj_ny	.0073668	.0252505	0.29	0.770	-.0421282	.0568619
imm6_adj_ny	.0165026	.0200131	0.82	0.410	-.0227264	.0557315
imm7_adj_ny	-.0045998	.0204458	-0.22	0.822	-.0446769	.0354773
imm8_adj_ny	.0019847	.0189512	0.10	0.917	-.0351627	.0391321
male	.039856	.02024	1.97	0.049	.0001823	.0795296
gendermiss_flag	0	(omitted)				
tsd_age	-.0033897	.0022756	-1.49	0.136	-.0078502	.0010708
doage2	.0005538	.0017807	0.31	0.756	-.0029367	.0040442
doage2miss_flag	0	(omitted)				
race_a	.0207793	.0700974	0.30	0.767	-.1166229	.1581815
race_b	.0377553	.0296402	1.27	0.203	-.0203443	.0958549
race_h	.0936843	.0352251	2.66	0.008	.0246373	.1627312
race_i	-.2909719	.2172957	-1.34	0.181	-.7169066	.1349629
race_o	.0193027	.0490953	0.39	0.694	-.0769321	.1155375
race_mis	.0371004	.0592511	0.63	0.531	-.0790415	.1532422

tsd_edu_hs	.082737	.0275269	3.01	0.003	.0287798	.1366942
tsd_edu_mrhs	.0809156	.0321991	2.51	0.012	.0178002	.144031
tsd_edu_mis	.0261736	.0294333	0.89	0.374	-.0315205	.0838676
tsd_mie_exp	.0004176	.0604624	0.01	0.994	-.1180984	.1189337
tsd_mie_mis	-.0075323	.0326523	-0.23	0.818	-.071536	.0564715
tsd_mie_psbl	-.0289004	.0336464	-0.86	0.390	-.0948527	.0370519
tsd_medicare	-.0484129	.0274772	-1.76	0.078	-.1022726	.0054469
tsd_medicare_miss	-.0752182	.0353616	-2.13	0.033	-.1445326	-.0059038
tsd_depend_1	-.008313	.0287169	-0.29	0.772	-.0646027	.0479767
tsd_depend_2	-.0227131	.0243321	-0.93	0.351	-.070408	.0249819
tsd_depend_miss	.0808884	.0481173	1.68	0.093	-.0134294	.1752061
tsd_vrpr	.0877674	.0352134	2.49	0.013	.0187434	.1567914
tsd_vrpr_miss	.1238058	.0272539	4.54	0.000	.0703838	.1772278
pdcgrou2	-.0365904	.0370554	-0.99	0.323	-.1092251	.0360442
pdcgrou3	.0539244	.0344489	1.57	0.118	-.013601	.1214498
pdcgrou4	.065827	.0332149	1.98	0.048	.0007203	.1309336
pdcgrou5	-.0051427	.0408061	-0.13	0.900	-.0851292	.0748439
cohort2000	.0161597	.0470238	0.34	0.731	-.0760146	.1083341
cohort2001	.0040194	.0761853	0.05	0.958	-.1453162	.1533549
cohort2002	-.0486295	.0967081	-0.50	0.615	-.2381931	.1409341
cohort2003	.1784603	.1410316	1.27	0.206	-.0979845	.454905
cohort2004	.4164528	.1855732	2.24	0.025	.0526992	.7802064
award_b4_tsd	.0373903	.0389897	0.96	0.338	-.0390358	.1138164
diaward_tsd	-.0025866	.0031436	-0.82	0.411	-.0087486	.0035753
epeb4twp_flag	-1.388954	.2320369	-5.99	0.000	-1.843784	-.9341239
ldwb4twp_flag	.1487363	.5819499	0.26	0.798	-.9919799	1.289452
ldwb4epe_flag	.9205499	.5993841	1.54	0.125	-.2543401	2.09544
twpb4tsd	1.225412	.1164091	10.53	0.000	.9972316	1.453593
epeb4tsd	1.216693	.2240447	5.43	0.000	.7775292	1.655857
ldwb4tsd	6.472527	.3714018	17.43	0.000	5.74452	7.200535
tsd_unemp_mean	0	(omitted)				
tsd_unemp_cng	0	(omitted)				
pial	-.0004129	.0001498	-2.76	0.006	-.0007066	-.0001192
pia_miss	-.5130646	.1464118	-3.50	0.000	-.8000555	-.2260736
ime1	.0001282	.0000461	2.78	0.005	.0000378	.0002185
ime_miss	.29878	.0892591	3.35	0.001	.1238177	.4737423
_cons	.0824231	.1235834	0.67	0.505	-.1598203	.3246665

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

nstw12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.030484	.022125	1.38	0.168	-.0128847 .0738526

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.030484

nstw12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	2.43e-17	.022125	0.00	1.000	-.0433687 .0433687

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 1.09
 Prob > F = 0.3660

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 1.90
 Prob > F = 0.1683

(1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
 (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
 (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.70
 Prob > F = 0.5515

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_unempny.xls
 dir : seeout
 note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity
 note: tsd_unemp_mean omitted because of collinearity
 note: tsd_unemp_cng omitted because of collinearity

Linear regression

Number of obs =	12023
F(47, 11974) =	.
Prob > F =	.
R-squared =	0.3967
Root MSE =	2.4863

nstw24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	-.0233265	.0625409	-0.37	0.709	-.1459169	.0992639
imm4_adj_ny	-.0282553	.0592065	-0.48	0.633	-.1443097	.0877992
imm6_adj_ny	.0175205	.0452067	0.39	0.698	-.071092	.106133
imm7_adj_ny	-.0064369	.0481256	-0.13	0.894	-.1007708	.0878971
imm8_adj_ny	-.0116366	.0459348	-0.25	0.800	-.1016761	.078403
male	.1250107	.0474758	2.63	0.008	.0319506	.2180709
gendermiss_flag	0	(omitted)				
tsd_age	-.014635	.005462	-2.68	0.007	-.0253414	-.0039285
doage2	-.0001619	.0045816	-0.04	0.972	-.0091427	.0088189
doage2miss_flag	0	(omitted)				
race_a	.1057478	.1828125	0.58	0.563	-.2525944	.4640899
race_b	.1340008	.0679647	1.97	0.049	.0007791	.2672226
race_h	.2608952	.0797034	3.27	0.001	.1046636	.4171269
race_i	-.0060422	.6133641	-0.01	0.992	-1.208335	1.196251
race_o	.1701413	.1646421	1.03	0.301	-.1525838	.4928664
race_mis	.1528508	.141844	1.08	0.281	-.1251865	.430888
tsd_edu_hs	.186908	.0639192	2.92	0.003	.061616	.3122
tsd_edu_mrhs	.3082354	.0782556	3.94	0.000	.1548418	.461629
tsd_edu_mis	.1412492	.0698573	2.02	0.043	.0043176	.2781809
tsd_mie_exp	-.0108306	.149696	-0.07	0.942	-.304259	.2825978
tsd_mie_mis	-.0266228	.0772755	-0.34	0.730	-.1780952	.1248497
tsd_mie_psbl	-.1158706	.0787204	-1.47	0.141	-.2701754	.0384342
tsd_medicare	-.1109125	.0658487	-1.68	0.092	-.2399867	.0181617
tsd_medicare_miss	-.3702359	.0987813	-3.75	0.000	-.5638633	-.1766085
tsd_depend_1	-.1324479	.06834	-1.94	0.053	-.2664053	.0015095
tsd_depend_2	-.1388736	.0578681	-2.40	0.016	-.2523044	-.0254427
tsd_depend_miss	.0807277	.1194466	0.68	0.499	-.1534069	.3148624
tsd_vrpr	.3201202	.0902383	3.55	0.000	.1432384	.497002
tsd_vrpr_miss	.3191635	.0715295	4.46	0.000	.1789541	.4593729
pdcgrou2	-.1695989	.089765	-1.89	0.059	-.3455528	.006355
pdcgrou3	.0351342	.0835467	0.42	0.674	-.1286308	.1988992
pdcgrou4	.0990771	.0813325	1.22	0.223	-.0603479	.258502

pdgroup5	-.1442498	.1041766	-1.38	0.166	-.3484528	.0599532
cohort2000	-.0118865	.1070396	-0.11	0.912	-.2217014	.1979285
cohort2001	-.0612016	.1769089	-0.35	0.729	-.4079717	.2855684
cohort2002	-.2575355	.2345003	-1.10	0.272	-.7171941	.2021231
cohort2003	.0633868	.2974022	0.21	0.831	-.5195697	.6463434
cohort2004	.6187871	.4009232	1.54	0.123	-.1670873	1.404661
award_b4_tsd	.246258	.1180329	2.09	0.037	.0148943	.4776217
diaward_tsd	-.010835	.0075365	-1.44	0.151	-.0256078	.0039378
epeb4twp_flag	-2.538993	.4752239	-5.34	0.000	-3.470508	-1.607477
ldwb4twp_flag	-1.602767	2.854103	-0.56	0.574	-7.197272	3.991737
ldwb4epe_flag	3.209874	1.59079	2.02	0.044	.0916679	6.328079
twpb4tsd	3.620331	.2822679	12.83	0.000	3.06704	4.173621
epeb4tsd	1.905996	.4529843	4.21	0.000	1.018073	2.793919
ldwb4tsd	11.5261	.7450075	15.47	0.000	10.06577	12.98644
tsd_unemp_mean	0	(omitted)				
tsd_unemp_cng	0	(omitted)				
pial	-.0007144	.0002983	-2.40	0.017	-.001299	-.0001298
pia_miss	-1.005025	.2880042	-3.49	0.000	-1.56956	-.4404902
ime1	.0002309	.000092	2.51	0.012	.0000506	.0004112
ime_miss	.4269399	.1761469	2.42	0.015	.0816634	.7722164
_cons	.6933102	.3067726	2.26	0.024	.0919861	1.294634

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

nstw24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0521347	.0526113	0.99	0.322	-.050992 .1552614

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0521347

nstw24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	3.47e-17	.0526113	0.00	1.000	-.1031267 .1031267

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.26
 Prob > F = 0.9340

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.98
 Prob > F = 0.3217

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.12
 Prob > F = 0.9459

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_unempny.xls

dir : seeout
 note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity
 note: tsd_unemp_mean omitted because of collinearity
 note: tsd_unemp_cng omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.3261
 Root MSE = 4.2318

nstw36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	-.0066222	.1074173	-0.06	0.951	-.2171775	.203933
imm4_adj_ny	-.0259008	.1023936	-0.25	0.800	-.2266088	.1748073
imm6_adj_ny	-.0035361	.0770681	-0.05	0.963	-.154602	.1475299
imm7_adj_ny	-.0305691	.0806265	-0.38	0.705	-.1886102	.127472
imm8_adj_ny	.0020027	.0797345	0.03	0.980	-.1542899	.1582953
male	.2016154	.0809586	2.49	0.013	.0429234	.3603074
gendermiss_flag	0	(omitted)				
tsd_age	-.0368008	.009163	-4.02	0.000	-.0547618	-.0188397
doage2	-.0005349	.0078714	-0.07	0.946	-.0159642	.0148944
doage2miss_flag	0	(omitted)				
race_a	.2022127	.313047	0.65	0.518	-.4114102	.8158355
race_b	.3282964	.1129798	2.91	0.004	.1068376	.5497551
race_h	.489625	.142863	3.43	0.001	.2095905	.7696596
race_i	.5714307	1.112324	0.51	0.607	-1.608905	2.751767
race_o	.3077424	.301963	1.02	0.308	-.2841539	.8996388
race_mis	.4299854	.2439901	1.76	0.078	-.0482748	.9082457
tsd_edu_hs	.3662381	.1072921	3.41	0.001	.1559283	.5765479
tsd_edu_mrhs	.7109843	.1343588	5.29	0.000	.4476193	.9743493
tsd_edu_mis	.3308214	.1170717	2.83	0.005	.101342	.5603009
tsd_mie_exp	-.0904381	.2536872	-0.36	0.721	-.5877061	.4068299
tsd_mie_mis	-.0641347	.1314526	-0.49	0.626	-.321803	.1935337
tsd_mie_psbl	-.2304678	.1316944	-1.75	0.080	-.4886102	.0276746
tsd_medicare	-.1878817	.1112509	-1.69	0.091	-.4059516	.0301882
tsd_medicare_miss	-.8247189	.1701385	-4.85	0.000	-1.158218	-.4912198
tsd_depend_1	-.2880695	.116427	-2.47	0.013	-.5162852	-.0598538
tsd_depend_2	-.2857281	.0987268	-2.89	0.004	-.4792486	-.0922076
tsd_depend_miss	.0289218	.2082757	0.14	0.890	-.3793324	.437176
tsd_vrpr	.6141749	.1576086	3.90	0.000	.3052365	.9231134
tsd_vrpr_miss	.4891449	.1258432	3.89	0.000	.2424719	.735818
pdcgrou2	-.3369999	.1508524	-2.23	0.026	-.6326952	-.0413047
pdcgrou3	.0456029	.1434406	0.32	0.751	-.235564	.3267698
pdcgrou4	.1258997	.1371223	0.92	0.359	-.1428823	.3946817
pdcgrou5	-.3866589	.2079554	-1.86	0.063	-.7942851	.0209673
cohort2000	-.1319241	.1776508	-0.74	0.458	-.4801485	.2163003
cohort2001	-.326422	.2991157	-1.09	0.275	-.9127373	.2598932
cohort2002	-.6281347	.4147644	-1.51	0.130	-1.44114	.1848707
cohort2003	-.3219783	.49948	-0.64	0.519	-1.30104	.6570835
cohort2004	.265351	.5758973	0.46	0.645	-.863501	1.394203
award_b4_tsd	.5036156	.2474953	2.03	0.042	.0184848	.9887465
diaward_tsd	-.0286136	.0129759	-2.21	0.027	-.0540485	-.0031787
epeb4twp_flag	-3.898964	.7350014	-5.30	0.000	-5.339686	-2.458242
ldwb4twp_flag	1.145865	6.680008	0.17	0.864	-11.94803	14.23976
ldwb4epe_flag	7.015801	2.632466	2.67	0.008	1.855742	12.17586
twpb4tsd	5.985263	.4566724	13.11	0.000	5.090111	6.880415
epeb4tsd	2.420603	.6976461	3.47	0.001	1.053104	3.788103
ldwb4tsd	15.85598	1.144612	13.85	0.000	13.61235	18.0996
tsd_unemp_mean	0	(omitted)				

tsd_unemp_cng		0	(omitted)				
pial		-.0007889	.0004432	-1.78	0.075	-.0016576	.0000799
pia_miss		-1.320267	.4126097	-3.20	0.001	-2.129049	-.5114854
ime1		.0002659	.0001363	1.95	0.051	-1.33e-06	.0005332
ime_miss		.3003876	.2559614	1.17	0.241	-.2013383	.8021135
_cons		1.998883	.518426	3.86	0.000	.9826844	3.015082

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

nstw36		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)		.0646255	.0886252	0.73	0.466	-.1090943 .2383452

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0646255

nstw36		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)		5.55e-17	.0886252	0.00	1.000	-.1737197 .1737197

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.13
 Prob > F = 0.9866

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.53
 Prob > F = 0.4659

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.03
 Prob > F = 0.9917

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_unempny.xls

dir : seeout

- note: gendermiss_flag omitted because of collinearity
- note: doage2miss_flag omitted because of collinearity
- note: tsd_unemp_mean omitted because of collinearity
- note: tsd_unemp_cng omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.2813
 Root MSE = 6.1979

nstw48		Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
--------	--	-------	------------------	---	------	----------------------

imm1_adj_ny	.0234983	.1592294	0.15	0.883	-.2886171	.3356137
imm4_adj_ny	-.0174052	.1538842	-0.11	0.910	-.3190431	.2842327
imm6_adj_ny	-.0133346	.1130998	-0.12	0.906	-.2350284	.2083593
imm7_adj_ny	-.0140813	.1181294	-0.12	0.905	-.2456341	.2174714
imm8_adj_ny	-.0174621	.1179341	-0.15	0.882	-.248632	.2137078
male	.2839821	.1185252	2.40	0.017	.0516535	.5163106
gendermiss_flag	0	(omitted)				
tsd_age	-.0667956	.0133979	-4.99	0.000	-.0930577	-.0405335
doage2	-.0018531	.011584	-0.16	0.873	-.0245597	.0208535
doage2miss_flag	0	(omitted)				
race_a	.3797177	.4609662	0.82	0.410	-.5238508	1.283286
race_b	.5921852	.1638844	3.61	0.000	.2709453	.9134252
race_h	.6991916	.2119091	3.30	0.001	.2838154	1.114568
race_i	1.391327	1.698137	0.82	0.413	-1.937297	4.719951
race_o	.6178647	.4595643	1.34	0.179	-.2829559	1.518685
race_mis	.7681156	.3602281	2.13	0.033	.0620102	1.474221
tsd_edu_hs	.5483597	.1578815	3.47	0.001	.2388865	.857833
tsd_edu_mrhs	1.105164	.1970609	5.61	0.000	.7188928	1.491435
tsd_edu_mis	.529188	.17117	3.09	0.002	.193667	.864709
tsd_mie_exp	-.2006428	.360801	-0.56	0.578	-.9078713	.5065857
tsd_mie_mis	-.0898975	.1910757	-0.47	0.638	-.4644369	.2846419
tsd_mie_psbl	-.3199781	.1901751	-1.68	0.092	-.6927521	.0527959
tsd_medicare	-.2289227	.1613129	-1.42	0.156	-.5451221	.0872768
tsd_medicare_miss	-1.275347	.2568241	-4.97	0.000	-1.778764	-.7719302
tsd_depend_1	-.4440841	.1710074	-2.60	0.009	-.7792863	-.1088819
tsd_depend_2	-.4432953	.1456495	-3.04	0.002	-.7287919	-.1577987
tsd_depend_miss	.0157166	.3103044	0.05	0.960	-.5925303	.6239635
tsd_vrpr	.982336	.232256	4.23	0.000	.5270766	1.437595
tsd_vrpr_miss	.6254422	.1853165	3.37	0.001	.2621918	.9886926
pdcgrou2	-.5808974	.2209401	-2.63	0.009	-1.013976	-.147819
pdcgrou3	.0461959	.2145384	0.22	0.830	-.3743341	.4667258
pdcgrou4	.0884051	.2013622	0.44	0.661	-.3062975	.4831077
pdcgrou5	-.7428893	.3341128	-2.22	0.026	-1.397804	-.0879741
cohort2000	-.2056784	.2578799	-0.80	0.425	-.7111649	.2998081
cohort2001	-.5738681	.4382922	-1.31	0.190	-1.432992	.2852557
cohort2002	-.8284938	.6204054	-1.34	0.182	-2.044589	.3876014
cohort2003	-.5338724	.7435532	-0.72	0.473	-1.991357	.9236124
cohort2004	.2056692	.7977667	0.26	0.797	-1.358083	1.769421
award_b4_tsd	.7098381	.3908661	1.82	0.069	-.0563227	1.475999
diaward_tsd	-.0431545	.0190745	-2.26	0.024	-.0805436	-.0057654
epeb4twp_flag	-5.316574	1.005777	-5.29	0.000	-7.288059	-3.345088
ldwb4twp_flag	.1528866	9.906205	0.02	0.988	-19.26488	19.57065
ldwb4epe_flag	10.81055	3.378939	3.20	0.001	4.187282	17.43382
twpb4tsd	8.360326	.6348729	13.17	0.000	7.115872	9.60478
epeb4tsd	2.747249	.9488088	2.90	0.004	.8874296	4.607068
ldwb4tsd	20.04032	1.55032	12.93	0.000	17.00144	23.0792
tsd_unemp_mean	0	(omitted)				
tsd_unemp_cng	0	(omitted)				
pia1	-.0007229	.0006041	-1.20	0.231	-.0019071	.0004612
pia_miss	-1.666623	.5473383	-3.04	0.002	-2.739495	-.5937515
ime1	.0002261	.0001847	1.22	0.221	-.000136	.0005882
ime_miss	-.0436914	.3419786	-0.13	0.898	-.7140249	.626642
_cons	3.691881	.7539521	4.90	0.000	2.214012	5.169749

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

nstw48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0387849	.1278785	0.30	0.762	-.2118777 .2894476

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = - .0387849

nstw48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	3.47e-17	.1278785	0.00	1.000	-.2506627	.2506627

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.03
 Prob > F = 0.9996

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.09
 Prob > F = 0.7617

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.00
 Prob > F = 0.9996

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_unempny.xls
 dir : seeout
 note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity

Linear regression Number of obs = 12023
F(47, 11974) = .
Prob > F = .
R-squared = 0.1597
Root MSE = .13386

ldwroll112	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	-.0022869	.0033174	-0.69	0.491	-.0087895	.0042157
imm4_adj_ny	.0011242	.003341	0.34	0.737	-.0054247	.007673
imm6_adj_ny	-.0016144	.0024669	-0.65	0.513	-.0064499	.0032212
imm7_adj_ny	.0016443	.002573	0.64	0.523	-.0033993	.0066878
imm8_adj_ny	-.0030898	.0024102	-1.28	0.200	-.0078142	.0016345
male	.0051554	.0025548	2.02	0.044	.0001474	.0101633
gendermiss_flag	0	(omitted)				
tsd_age	-.0009401	.0003139	-2.99	0.003	-.0015553	-.0003248
doage2	-.000104	.0002811	-0.37	0.711	-.000655	.000447
doage2miss_flag	0	(omitted)				
race_a	.0061152	.0104251	0.59	0.557	-.0143198	.0265502
race_b	.0082909	.0035717	2.32	0.020	.0012899	.015292
race_h	.0139862	.0049382	2.83	0.005	.0043066	.0236659
race_i	.0407001	.0392924	1.04	0.300	-.0363193	.1177195
race_o	.0011483	.0072041	0.16	0.873	-.0129729	.0152696
race_mis	.0114508	.0077961	1.47	0.142	-.0038309	.0267325

tsd_edu_hs	.0068692	.0034585	1.99	0.047	.00009	.0136484
tsd_edu_mrhs	.0152317	.0042244	3.61	0.000	.0069512	.0235122
tsd_edu_mis	.0055829	.0037538	1.49	0.137	-.0017751	.0129408
tsd_mie_exp	.0027209	.0088299	0.31	0.758	-.0145871	.0200288
tsd_mie_mis	.0001699	.0041321	0.04	0.967	-.0079297	.0082695
tsd_mie_psbl	-.0026056	.0042392	-0.61	0.539	-.0109152	.005704
tsd_medicare	-.0021965	.0036753	-0.60	0.550	-.0094007	.0050077
tsd_medicare_miss	-.021846	.0059553	-3.67	0.000	-.0335194	-.0101726
tsd_depend_1	-.00753	.0037259	-2.02	0.043	-.0148334	-.0002265
tsd_depend_2	-.0042553	.0030793	-1.38	0.167	-.0102913	.0017807
tsd_depend_miss	.0027831	.0072387	0.38	0.701	-.011406	.0169722
tsd_vrpr	.0180703	.0050193	3.60	0.000	.0082316	.0279089
tsd_vrpr_miss	.0193113	.0039855	4.85	0.000	.011499	.0271235
pdcgrou2	-.0051937	.0050214	-1.03	0.301	-.0150365	.0046491
pdcgrou3	.0017596	.0045774	0.38	0.701	-.0072129	.0107321
pdcgrou4	.0056477	.0044737	1.26	0.207	-.0031214	.0144169
pdcgrou5	-.0029225	.0061179	-0.48	0.633	-.0149147	.0090697
cohort2000	.0009151	.0053951	0.17	0.865	-.0096602	.0114905
cohort2001	.00578	.0100158	0.58	0.564	-.0138525	.0254125
cohort2002	-.0034914	.0140146	-0.25	0.803	-.0309624	.0239795
cohort2003	.009684	.0161028	0.60	0.548	-.0218802	.0412482
cohort2004	.0125287	.0158613	0.79	0.430	-.0185621	.0436195
award_b4_tsd	-.0003314	.0077296	-0.04	0.966	-.0154827	.0148199
diaward_tsd	-.0003223	.0004495	-0.72	0.473	-.0012033	.0005588
epeb4twp_flag	-.1523129	.0239752	-6.35	0.000	-.1993083	-.1053176
ldwb4twp_flag	-.0647731	.046132	-1.40	0.160	-.1551993	.025653
ldwb4epe_flag	.1242531	.0908794	1.37	0.172	-.0538852	.3023915
twpb4tsd	.2234058	.0174248	12.82	0.000	.1892504	.2575613
epeb4tsd	.1250316	.0225511	5.54	0.000	.0808278	.1692354
ldwb4tsd	-.1749977	.0177947	-9.83	0.000	-.2098783	-.1401171
pial	-.00002	.0000142	-1.41	0.157	-.0000478	7.75e-06
pia_miss	-.0354922	.0133425	-2.66	0.008	-.0616456	-.0093387
ime1	5.49e-06	4.31e-06	1.27	0.202	-2.95e-06	.0000139
ime_miss	.0124392	.0083759	1.49	0.138	-.003979	.0288574
_cons	.0262106	.018051	1.45	0.147	-.0091723	.0615935

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

ldwroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0042227	.0028609	1.48	0.140	-.0013851 .0098305

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0042227

ldwroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	3.64e-17	.0028609	0.00	1.000	-.0056078 .0056078

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.91
 Prob > F = 0.4730

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 2.18
 Prob > F = 0.1400

(1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
 (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
 (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.71
 Prob > F = 0.5480

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_nounempny.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.1386
 Root MSE = .19005

ldwroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	.0014317	.0049328	0.29	0.772	-.0082373	.0111007
imm4_adj_ny	-.0021946	.0046714	-0.47	0.639	-.0113513	.0069622
imm6_adj_ny	-.0010647	.0035789	-0.30	0.766	-.0080799	.0059505
imm7_adj_ny	.0015952	.003651	0.44	0.662	-.0055613	.0087518
imm8_adj_ny	-.0021312	.0035895	-0.59	0.553	-.0091673	.0049049
male	.0092361	.0035736	2.58	0.010	.0022313	.016241
gendermiss_flag	0	(omitted)				
tsd_age	-.0017824	.0004128	-4.32	0.000	-.0025916	-.0009733
doage2	.0000772	.0003608	0.21	0.830	-.0006299	.0007844
doage2miss_flag	0	(omitted)				
race_a	.0084673	.014167	0.60	0.550	-.0193023	.036237
race_b	.0196229	.0050753	3.87	0.000	.0096744	.0295714
race_h	.0263003	.007073	3.72	0.000	.0124361	.0401645
race_i	.0247142	.0402082	0.61	0.539	-.0541004	.1035288
race_o	.0080414	.0134267	0.60	0.549	-.0182771	.03436
race_mis	.0065245	.0091309	0.71	0.475	-.0113736	.0244226
tsd_edu_hs	.0111737	.0049647	2.25	0.024	.0014421	.0209054
tsd_edu_mrhs	.0322196	.0060998	5.28	0.000	.020263	.0441762
tsd_edu_mis	.0111545	.0051713	2.16	0.031	.001018	.0212911
tsd_mie_exp	.0004712	.011673	0.04	0.968	-.0224097	.0233522
tsd_mie_mis	.0002633	.0058251	0.05	0.964	-.0111548	.0116815
tsd_mie_psb1	-.0033782	.0057653	-0.59	0.558	-.0146792	.0079228
tsd_medicare	-.0058654	.004842	-1.21	0.226	-.0153564	.0036256
tsd_medicare_miss	-.0434882	.0080764	-5.38	0.000	-.0593193	-.0276572
tsd_depend_1	-.0200356	.0052438	-3.82	0.000	-.0303143	-.0097568
tsd_depend_2	-.015246	.0044768	-3.41	0.001	-.0240213	-.0064707
tsd_depend_miss	-.0018652	.0110275	-0.17	0.866	-.0234808	.0197504
tsd_vrpr	.0269662	.0080128	3.37	0.001	.0112597	.0426726
tsd_vrpr_miss	.0186104	.0067172	2.77	0.006	.0054436	.0317771
pdcgrou2	-.0123915	.0072841	-1.70	0.089	-.0266694	.0018865
pdcgrou3	-.0024554	.0069126	-0.36	0.722	-.0160052	.0110944
pdcgrou4	.0014197	.006516	0.22	0.828	-.0113527	.0141922
pdcgrou5	-.0194079	.0105925	-1.83	0.067	-.0401708	.0013551
cohort2000	-.003862	.0072323	-0.53	0.593	-.0180386	.0103145
cohort2001	-.0010243	.0133572	-0.08	0.939	-.0272066	.0251579

cohort2002	-.0131412	.019758	-0.67	0.506	-.0518702	.0255877
cohort2003	-.0118536	.0249428	-0.48	0.635	-.0607455	.0370383
cohort2004	-.0237563	.0233614	-1.02	0.309	-.0695484	.0220359
award_b4_tsd	.031815	.014825	2.15	0.032	.0027557	.0608743
diaward_tsd	-.0007508	.000596	-1.26	0.208	-.001919	.0004174
epeb4twp_flag	-.1831835	.0261783	-7.00	0.000	-.2344971	-.1318699
ldwb4twp_flag	.1486328	.3524887	0.42	0.673	-.5423021	.8395677
ldwb4epe_flag	.3814641	.1204997	3.17	0.002	.1452652	.6176631
twpb4tsd	.2821408	.0189814	14.86	0.000	.2449341	.3193475
epeb4tsd	.1152685	.0236957	4.86	0.000	.0688211	.1617159
ldwb4tsd	-.2172225	.0195095	-11.13	0.000	-.2554643	-.1789808
pial	-9.57e-06	.000017	-0.56	0.574	-.0000429	.0000238
pia_miss	-.0415858	.0172324	-2.41	0.016	-.0753641	-.0078074
ime1	2.44e-06	5.10e-06	0.48	0.633	-7.56e-06	.0000124
ime_miss	-.0015571	.0102717	-0.15	0.880	-.0216913	.018577
_cons	.0790659	.023407	3.38	0.001	.0331844	.1249474

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

ldwroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0023635	.0038198	0.62	0.536	-.005124 .0098511

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0023635

ldwroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	3.64e-17	.0038198	0.00	1.000	-.0074875 .0074875

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.23
Prob > F = 0.9512

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.38
Prob > F = 0.5361

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.22
Prob > F = 0.8823

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH1NY_nounempny.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

Linear regression

Number of obs = 12023

F(47, 11974) = .
 Prob > F = .
 R-squared = 0.1380
 Root MSE = .22736

ldwroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	.0069594	.0060509	1.15	0.250	-.0049013	.0188201
imm4_adj_ny	.007564	.006145	1.23	0.218	-.0044813	.0196092
imm6_adj_ny	-.0044419	.0042698	-1.04	0.298	-.0128115	.0039277
imm7_adj_ny	-.0055087	.0042588	-1.29	0.196	-.0138566	.0028392
imm8_adj_ny	-.0043582	.0043659	-1.00	0.318	-.0129161	.0041997
male	.011324	.004309	2.63	0.009	.0028778	.0197703
gendermiss_flag	0	(omitted)				
tsd_age	-.002889	.0004935	-5.85	0.000	-.0038564	-.0019216
doage2	-.000453	.0004278	-1.06	0.290	-.0012917	.0003856
doage2miss_flag	0	(omitted)				
race_a	.0087379	.0169054	0.52	0.605	-.0243994	.0418753
race_b	.0300162	.0061307	4.90	0.000	.0179991	.0420333
race_h	.0309931	.008217	3.77	0.000	.0148865	.0470997
race_i	.0910809	.0549552	1.66	0.097	-.0166403	.1988021
race_o	.0178851	.0174896	1.02	0.307	-.0163973	.0521676
race_mis	.0200175	.012225	1.64	0.102	-.0039456	.0439806
tsd_edu_hs	.0208149	.0059993	3.47	0.001	.0090553	.0325746
tsd_edu_mrhs	.0449673	.0073088	6.15	0.000	.0306409	.0592937
tsd_edu_mis	.0197168	.0061651	3.20	0.001	.0076323	.0318013
tsd_mie_exp	-.0041067	.013637	-0.30	0.763	-.0308375	.0226241
tsd_mie_mis	.0027864	.0067807	0.41	0.681	-.0105048	.0160776
tsd_mie_psbl	-.001382	.0066655	-0.21	0.836	-.0144476	.0116835
tsd_medicare	-.012432	.0057656	-2.16	0.031	-.0237336	-.0011305
tsd_medicare_miss	-.0577885	.0096758	-5.97	0.000	-.0767546	-.0388224
tsd_depend_1	-.0218846	.00646	-3.39	0.001	-.0345473	-.0092218
tsd_depend_2	-.0170325	.0054567	-3.12	0.002	-.0277284	-.0063365
tsd_depend_miss	-.0140094	.0130948	-1.07	0.285	-.0396773	.0116584
tsd_vrpr	.0327747	.0100919	3.25	0.001	.012993	.0525565
tsd_vrpr_miss	.0173602	.0087203	1.99	0.047	.000267	.0344534
pdcgrou2	-.0206641	.0087758	-2.35	0.019	-.0378661	-.0034621
pdcgrou3	-.004114	.0085783	-0.48	0.632	-.0209288	.0127008
pdcgrou4	-.0045518	.0079437	-0.57	0.567	-.0201228	.0110193
pdcgrou5	-.0310938	.01494	-2.08	0.037	-.0603786	-.0018089
cohort2000	-.0053172	.0085521	-0.62	0.534	-.0220807	.0114462
cohort2001	-.012922	.0156547	-0.83	0.409	-.0436077	.0177637
cohort2002	-.0127375	.0244862	-0.52	0.603	-.0607345	.0352594
cohort2003	-.0215105	.0301552	-0.71	0.476	-.0806197	.0375986
cohort2004	-.0113543	.0316171	-0.36	0.720	-.073329	.0506204
award_b4_tsd	.0371576	.0192538	1.93	0.054	-.000583	.0748982
diaward_tsd	-.0012561	.0007045	-1.78	0.075	-.002637	.0001249
epeb4twp_flag	-.2109891	.0272477	-7.74	0.000	-.264399	-.1575792
ldwb4twp_flag	.4306048	.2575014	1.67	0.095	-.0741397	.9353493
ldwb4epe_flag	.4563373	.1153593	3.96	0.000	.2302144	.6824603
twpb4tsd	.3231166	.0196136	16.47	0.000	.2846708	.3615625
epeb4tsd	.095925	.0239843	4.00	0.000	.048912	.1429381
ldwb4tsd	-.2462663	.0202752	-12.15	0.000	-.286009	-.2065235
pial	-1.75e-06	.0000199	-0.09	0.930	-.0000408	.0000373
pia_miss	-.054081	.0195209	-2.77	0.006	-.0923451	-.0158168
ime1	-1.88e-06	5.91e-06	-0.32	0.750	-.0000135	9.71e-06
ime_miss	-.017172	.0113813	-1.51	0.131	-.0394813	.0051372
_cons	.1656865	.0278074	5.96	0.000	.1111795	.2201935

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

ldwroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-.0002145	.0045356	-0.05	0.962	-.0091051	.0086761

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = .0002145

ldwroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	4.87e-17	.0045356	0.00	1.000	-.0088906	.0088906

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.97
 Prob > F = 0.4315

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.00
 Prob > F = 0.9623

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.40
 Prob > F = 0.7563

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_nounempny.xls
 dir : seeout
 note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity

Linear regression

Number of obs =	12023
F(47, 11974) =	.
Prob > F =	.
R-squared =	0.1287
Root MSE =	.25568

ldwroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	.0017637	.0065005	0.27	0.786	-.0109783	.0145056
imm4_adj_ny	.0095165	.0068529	1.39	0.165	-.0039164	.0229493
imm6_adj_ny	-.0022769	.0048609	-0.47	0.640	-.011805	.0072513
imm7_adj_ny	-.0009283	.0049183	-0.19	0.850	-.010569	.0087124
imm8_adj_ny	-.0072514	.0048459	-1.50	0.135	-.0167502	.0022474
male	.0158555	.004836	3.28	0.001	.0063762	.0253348
gendermiss_flag	0	(omitted)				
tsd_age	-.0036589	.0005465	-6.69	0.000	-.0047302	-.0025876
doage2	-.0003174	.0004588	-0.69	0.489	-.0012168	.000582
doage2miss_flag	0	(omitted)				
race_a	.0146987	.0193245	0.76	0.447	-.0231804	.0525777

race_b	.0416848	.0069952	5.96	0.000	.0279731	.0553965
race_h	.03006	.0089869	3.34	0.001	.0124442	.0476759
race_i	.103412	.0596877	1.73	0.083	-.0135856	.2204096
race_o	.02376	.0200567	1.18	0.236	-.0155544	.0630745
race_mis	.0207941	.0133621	1.56	0.120	-.0053977	.0469859
tsd_edu_hs	.0251636	.0068879	3.65	0.000	.0116623	.0386649
tsd_edu_mrhs	.0567658	.0083148	6.83	0.000	.0404675	.0730642
tsd_edu_mis	.0232178	.0069539	3.34	0.001	.0095871	.0368485
tsd_mie_exp	.0091545	.0157178	0.58	0.560	-.0216549	.0399639
tsd_mie_mis	.0020084	.0075295	0.27	0.790	-.0127507	.0167675
tsd_mie_psbl	.0022879	.0073158	0.31	0.754	-.0120522	.0166281
tsd_medicare	-.0112252	.0063583	-1.77	0.078	-.0236885	.0012381
tsd_medicare_miss	-.0583239	.0158922	-3.67	0.000	-.0894752	-.0271726
tsd_depend_1	-.0222657	.0073008	-3.05	0.002	-.0365764	-.0079551
tsd_depend_2	-.0163955	.006168	-2.66	0.008	-.0284858	-.0043053
tsd_depend_miss	-.0105975	.0154519	-0.69	0.493	-.0408857	.0196908
tsd_vrpr	.0271178	.0119616	2.27	0.023	.0036712	.0505645
tsd_vrpr_miss	.0011139	.0105473	0.11	0.916	-.0195604	.0217882
pdcgrou2	-.0358229	.0099944	-3.58	0.000	-.0554135	-.0162322
pdcgrou3	-.0132077	.0098336	-1.34	0.179	-.0324831	.0060678
pdcgrou4	-.0179272	.0090779	-1.97	0.048	-.0357214	-.0001331
pdcgrou5	-.0500794	.0182772	-2.74	0.006	-.0859057	-.0142531
cohort2000	-.002158	.0095868	-0.23	0.822	-.0209497	.0166338
cohort2001	-.0074391	.0173983	-0.43	0.669	-.0415426	.0266643
cohort2002	-.0018332	.0273008	-0.07	0.946	-.0553473	.0516808
cohort2003	-.0285729	.0359983	-0.79	0.427	-.0991354	.0419896
cohort2004	.0094212	.0391925	0.24	0.810	-.0674024	.0862448
award_b4_tsd	.0458098	.0214411	2.14	0.033	.0037817	.0878378
diaward_tsd	-.0009753	.0007806	-1.25	0.212	-.0025055	.0005548
epeb4twp_flag	-.2286168	.0280486	-8.15	0.000	-.2835966	-.173637
ldwb4twp_flag	.3705116	.2536058	1.46	0.144	-.1265969	.8676201
ldwb4epe_flag	.5622581	.1102576	5.10	0.000	.3461353	.7783809
twpb4tsd	.3284317	.0198496	16.55	0.000	.2895232	.3673402
epeb4tsd	.0725871	.0241335	3.01	0.003	.0252816	.1198926
ldwb4tsd	-.2579181	.0203726	-12.66	0.000	-.2978517	-.2179845
pial	-4.04e-06	.000022	-0.18	0.854	-.0000471	.000039
pia_miss	-.0620765	.0221756	-2.80	0.005	-.1055442	-.0186088
ime1	-6.61e-06	6.44e-06	-1.02	0.305	-.0000192	6.03e-06
ime_miss	-.0370608	.0124525	-2.98	0.003	-.0614697	-.0126519
_cons	.2212753	.0312157	7.09	0.000	.1600874	.2824632

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

ldwroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0008236	.0050332	-0.16	0.870	-.0106895 .0090423

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = .0008236

ldwroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-3.35e-17	.0050332	-0.00	1.000	-.0098659 .0098659

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.70
 Prob > F = 0.6222

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.03
 Prob > F = 0.8700

(1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
 (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
 (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.62
 Prob > F = 0.6004

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_nounempny.xls
 dir : seeout
 note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.1499
 Root MSE = .14504

eperoll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	-.0014733	.0037609	-0.39	0.695	-.0088452	.0058987
imm4_adj_ny	.0030176	.0037115	0.81	0.416	-.0042575	.0102927
imm6_adj_ny	-.0020665	.002635	-0.78	0.433	-.0072315	.0030986
imm7_adj_ny	-.0021635	.0027086	-0.80	0.424	-.0074728	.0031459
imm8_adj_ny	.0006548	.0028036	0.23	0.815	-.0048406	.0061503
male	.0043186	.0027342	1.58	0.114	-.0010408	.0096781
gendermiss_flag	0	(omitted)				
tsd_age	-.0008697	.0003266	-2.66	0.008	-.00151	-.0002295
doage2	-.0001976	.0002907	-0.68	0.497	-.0007674	.0003722
doage2miss_flag	0	(omitted)				
race_a	-.0025004	.0094657	-0.26	0.792	-.0210547	.0160538
race_b	.0060463	.0039207	1.54	0.123	-.0016389	.0137314
race_h	-.0001795	.0045858	-0.04	0.969	-.0091685	.0088095
race_i	.0388416	.0340348	1.14	0.254	-.0278721	.1055552
race_o	.0065347	.0110038	0.59	0.553	-.0150346	.0281039
race_mis	.0070547	.0077201	0.91	0.361	-.008078	.0221875
tsd_edu_hs	.0048235	.0039774	1.21	0.225	-.0029728	.0126198
tsd_edu_mrhs	.009714	.0046548	2.09	0.037	.00059	.0188381
tsd_edu_mis	.0105458	.0042147	2.50	0.012	.0022843	.0188072
tsd_mie_exp	-.0063365	.0088455	-0.72	0.474	-.0236751	.0110022
tsd_mie_mis	-.0038311	.0045927	-0.83	0.404	-.0128335	.0051714
tsd_mie_psbl	-.0076318	.004611	-1.66	0.098	-.0166701	.0014065
tsd_medicare	-.0110798	.0035582	-3.11	0.002	-.0180544	-.0041052
tsd_medicare_miss	-.0152657	.0102228	-1.49	0.135	-.035304	.0047727
tsd_depend_1	-.0082269	.0039591	-2.08	0.038	-.0159874	-.0004664
tsd_depend_2	-.0073179	.0032721	-2.24	0.025	-.0137317	-.0009041
tsd_depend_miss	-.0325506	.0127242	-2.56	0.011	-.057492	-.0076092
tsd_vrpr	.0174277	.00639	2.73	0.006	.0049023	.029953
tsd_vrpr_miss	.0093205	.0053385	1.75	0.081	-.0011437	.0197847
pdcgrou2	.0016091	.0057747	0.28	0.781	-.0097102	.0129284
pdcgrou3	-.0054429	.0052456	-1.04	0.299	-.015725	.0048393

pdcgrou4	-.0028188	.0050795	-0.55	0.579	-.0127754	.0071377
pdcgrou5	-.004481	.0076328	-0.59	0.557	-.0194425	.0104805
cohort2000	-.0057505	.0054339	-1.06	0.290	-.0164019	.0049008
cohort2001	-.0018503	.010012	-0.18	0.853	-.0214754	.0177749
cohort2002	-.0128088	.0147372	-0.87	0.385	-.0416961	.0160784
cohort2003	-.0318394	.0194296	-1.64	0.101	-.0699246	.0062459
cohort2004	-.0335591	.019444	-1.73	0.084	-.0716725	.0045543
award_b4_tsd	.0179652	.0112764	1.59	0.111	-.0041383	.0400687
diaward_tsd	-.0004437	.0004404	-1.01	0.314	-.0013069	.0004195
epeb4twp_flag	.0738458	.0117525	6.28	0.000	.0508089	.0968827
ldwb4twp_flag	-.1404289	.0585526	-2.40	0.016	-.2552015	-.0256563
ldwb4epe_flag	.1173256	.0872008	1.35	0.179	-.0536021	.2882533
twpb4tsd	.2654964	.0182581	14.54	0.000	.2297075	.3012852
epeb4tsd	-.1024122	.0094764	-10.81	0.000	-.1209875	-.0838368
ldwb4tsd	-.0522053	.010521	-4.96	0.000	-.0728281	-.0315825
pial	7.47e-08	.000011	0.01	0.995	-.0000215	.0000216
pia_miss	-.0017795	.0151673	-0.12	0.907	-.0315099	.0279509
ime1	-2.08e-06	3.12e-06	-0.67	0.504	-8.19e-06	4.02e-06
ime_miss	-.0062243	.0067431	-0.92	0.356	-.0194418	.0069932
_cons	.0647943	.0187752	3.45	0.001	.0279919	.1015968

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

eperoll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0020308	.0030048	0.68	0.499	-.0038592 .0079207

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0020308

eperoll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-4.60e-17	.0030048	-0.00	1.000	-.00589 .00589

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.43
 Prob > F = 0.8270

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.46
 Prob > F = 0.4992

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.50
 Prob > F = 0.6790

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_nounempny.xls
 dir : seeout

note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.1419
 Root MSE = .20228

eperoll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	.0004551	.0052137	0.09	0.930	-.0097646	.0106749
imm4_adj_ny	.0053438	.0053444	1.00	0.317	-.0051322	.0158197
imm6_adj_ny	-.0048241	.0037089	-1.30	0.193	-.0120941	.0024459
imm7_adj_ny	-.0029607	.0038408	-0.77	0.441	-.0104893	.0045679
imm8_adj_ny	.0016904	.0039464	0.43	0.668	-.0060451	.009426
male	.0055707	.003795	1.47	0.142	-.0018681	.0130094
gendermiss_flag	0	(omitted)				
tsd_age	-.0015609	.0004388	-3.56	0.000	-.002421	-.0007008
doage2	-.0000265	.0003856	-0.07	0.945	-.0007824	.0007294
doage2miss_flag	0	(omitted)				
race_a	-.0134587	.0123176	-1.09	0.275	-.0376031	.0106858
race_b	.0155057	.0054456	2.85	0.004	.0048315	.0261799
race_h	.0026833	.0066228	0.41	0.685	-.0102984	.015665
race_i	.0453092	.0420918	1.08	0.282	-.0371976	.1278161
race_o	.0173224	.0158803	1.09	0.275	-.0138055	.0484503
race_mis	.0110507	.010888	1.01	0.310	-.0102915	.0323929
tsd_edu_hs	.0059166	.0054946	1.08	0.282	-.0048537	.0166869
tsd_edu_mrhs	.0266869	.0066826	3.99	0.000	.0135878	.0397859
tsd_edu_mis	.015586	.0056732	2.75	0.006	.0044656	.0267065
tsd_mie_exp	-.0062519	.012313	-0.51	0.612	-.0303874	.0178836
tsd_mie_mis	-.002009	.0063184	-0.32	0.751	-.014394	.010376
tsd_mie_psbl	-.0100416	.0061782	-1.63	0.104	-.022152	.0020687
tsd_medicare	-.0188817	.0050509	-3.74	0.000	-.0287824	-.0089811
tsd_medicare_miss	-.0278404	.0159498	-1.75	0.081	-.0591045	.0034237
tsd_depend_1	-.0075833	.0057313	-1.32	0.186	-.0188177	.003651
tsd_depend_2	-.0059414	.0047944	-1.24	0.215	-.0153392	.0034565
tsd_depend_miss	-.0651864	.0185456	-3.51	0.000	-.1015387	-.028834
tsd_vrpr	.0318127	.0091492	3.48	0.001	.0138788	.0497466
tsd_vrpr_miss	.0080693	.0077894	1.04	0.300	-.0071991	.0233378
pdcgrou2	.0034283	.0077447	0.44	0.658	-.0117525	.0186092
pdcgrou3	-.0065554	.0072746	-0.90	0.368	-.0208148	.0077041
pdcgrou4	-.0039417	.006801	-0.58	0.562	-.0172727	.0093894
pdcgrou5	-.0165801	.0134045	-1.24	0.216	-.042855	.0096949
cohort2000	-.0112078	.0072818	-1.54	0.124	-.0254813	.0030656
cohort2001	-.0102901	.0136217	-0.76	0.450	-.0369908	.0164106
cohort2002	-.0135107	.0214935	-0.63	0.530	-.0556415	.02862
cohort2003	-.0530965	.0309266	-1.72	0.086	-.1137177	.0075246
cohort2004	-.0824003	.0288725	-2.85	0.004	-.1389952	-.0258055
award_b4_tsd	.0452247	.0179826	2.51	0.012	.0099758	.0804736
diaward_tsd	-.0009556	.0006092	-1.57	0.117	-.0021497	.0002385
epeb4twp_flag	.0698718	.0151982	4.60	0.000	.0400808	.0996628
ldwb4twp_flag	-.291275	.1248721	-2.33	0.020	-.5360445	-.0465054
ldwb4epe_flag	.3951117	.111947	3.53	0.000	.1756773	.614546
twpb4tsd	.3286702	.019264	17.06	0.000	.2909096	.3664307
epeb4tsd	-.146547	.0112352	-13.04	0.000	-.1685698	-.1245243
ldwb4tsd	-.073968	.0132574	-5.58	0.000	-.0999547	-.0479814
pial	.0000141	.000015	0.94	0.348	-.0000153	.0000434
pia_miss	.0315596	.0208044	1.52	0.129	-.0092204	.0723396
ime1	-.000011	4.32e-06	-2.56	0.011	-.0000195	-2.57e-06
ime_miss	-.0386615	.0082133	-4.71	0.000	-.0547609	-.0225621

```

      _cons |      .1216931      .0248314      4.90      0.000      .0730195      .1703666
-----+-----

```

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

```

-----+-----
      eperoll24 |      Coef.      Std. Err.      t      P>|t|      [95% Conf. Interval]
-----+-----
      (1) |      .0002954      .00404      0.07      0.942      -.0076236      .0082145
-----+-----

```

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0002954

```

-----+-----
      eperoll24 |      Coef.      Std. Err.      t      P>|t|      [95% Conf. Interval]
-----+-----
      (1) |      -3.31e-17      .00404      -0.00      1.000      -.007919      .007919
-----+-----

```

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.57
 Prob > F = 0.7226

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.01
 Prob > F = 0.9417

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.88
 Prob > F = 0.4488

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_nounempny.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.1278
 Root MSE = .2413

```

-----+-----
      eperoll136 |      Coef.      Robust Std. Err.      t      P>|t|      [95% Conf. Interval]
-----+-----
      imm1_adj_ny |      .000678      .0062261      0.11      0.913      -.0115262      .0128822
      imm4_adj_ny |      .0100188      .0065735      1.52      0.128      -.0028663      .0229039
      imm6_adj_ny |     -.0067745      .0044423     -1.52      0.127      -.0154822      .0019332
      imm7_adj_ny |     -.0044446      .0045971     -0.97      0.333      -.013457      .004565
      imm8_adj_ny |     -.0027483      .0046177     -0.60      0.552      -.0117998      .0063031
      male |      .0046585      .0045223      1.03      0.303      -.0042059      .0135229
-----+-----

```

gendermiss_flag	0	(omitted)				
tsd_age	-.0026657	.0005323	-5.01	0.000	-.0037091	-.0016223
doage2	-.0000702	.0004712	-0.15	0.882	-.0009938	.0008535
doage2miss_flag	0	(omitted)				
race_a	-.005886	.0161551	-0.36	0.716	-.0375527	.0257807
race_b	.0218808	.0064319	3.40	0.001	.0092732	.0344885
race_h	.005763	.0079972	0.72	0.471	-.0099128	.0214388
race_i	.0532542	.0495318	1.08	0.282	-.0438361	.1503445
race_o	.0248348	.0195408	1.27	0.204	-.0134683	.0631379
race_mis	.0104534	.0127331	0.82	0.412	-.0145055	.0354123
tsd_edu_hs	.0101642	.006652	1.53	0.127	-.0028748	.0232032
tsd_edu_mrhs	.032149	.0078537	4.09	0.000	.0167544	.0475436
tsd_edu_mis	.0219687	.0067572	3.25	0.001	.0087234	.035214
tsd_mie_exp	-.0055797	.0145403	-0.38	0.701	-.0340809	.0229216
tsd_mie_mis	.0019968	.0073171	0.27	0.785	-.0123458	.0163395
tsd_mie_psbl	-.0067653	.0070792	-0.96	0.339	-.0206416	.007111
tsd_medicare	-.0193866	.0059971	-3.23	0.001	-.031142	-.0076313
tsd_medicare_miss	-.0470198	.0163094	-2.88	0.004	-.0789889	-.0150507
tsd_depend_1	-.007386	.0070019	-1.05	0.292	-.0211107	.0063388
tsd_depend_2	-.007881	.0057735	-1.37	0.172	-.0191981	.0034361
tsd_depend_miss	-.0663649	.0204916	-3.24	0.001	-.1065318	-.026198
tsd_vrpr	.0267242	.011738	2.28	0.023	.0037159	.0497326
tsd_vrpr_miss	-.0140454	.0102968	-1.36	0.173	-.0342287	.006138
pdcgrou2	-.0085574	.0094179	-0.91	0.364	-.027018	.0099032
pdcgrou3	-.0182132	.0090105	-2.02	0.043	-.0358753	-.000551
pdcgrou4	-.0145479	.0084027	-1.73	0.083	-.0310186	.0019228
pdcgrou5	-.0366385	.0169928	-2.16	0.031	-.0699472	-.0033298
cohort2000	-.0145935	.0086365	-1.69	0.091	-.0315224	.0023353
cohort2001	-.0182824	.0160794	-1.14	0.256	-.0498006	.0132358
cohort2002	-.017588	.0258228	-0.68	0.496	-.0682048	.0330288
cohort2003	-.0452994	.0351754	-1.29	0.198	-.1142489	.0236501
cohort2004	-.0546786	.0361455	-1.51	0.130	-.1255296	.0161724
award_b4_tsd	.039666	.0210704	1.88	0.060	-.0016353	.0809673
diaward_tsd	-.0015495	.0007281	-2.13	0.033	-.0029768	-.0001223
epeb4twp_flag	.0653499	.0172379	3.79	0.000	.0315607	.0991391
ldwb4twp_flag	-.3316408	.1336892	-2.48	0.013	-.5936932	-.0695883
ldwb4epe_flag	.433627	.1141178	3.80	0.000	.2099377	.6573163
twpb4tsd	.3452443	.0195054	17.70	0.000	.3070104	.3834781
epeb4tsd	-.1761986	.0118844	-14.83	0.000	-.1994941	-.1529032
ldwb4tsd	-.086588	.0142286	-6.09	0.000	-.1144784	-.0586977
pial	.0000384	.0000185	2.07	0.038	2.12e-06	.0000747
pia_miss	.0329732	.0231614	1.42	0.155	-.012427	.0783733
ime1	-.0000192	5.34e-06	-3.59	0.000	-.0000297	-8.72e-06
ime_miss	-.0602624	.0097951	-6.15	0.000	-.0794624	-.0410624
_cons	.2140544	.0300077	7.13	0.000	.1552344	.2728744

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

eperoll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0032721	.0048443	0.68	0.499	-.0062236 .0127677

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0032721

eperoll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	2.13e-17	.0048443	0.00	1.000	-.0094957 .0094957

(1) imm1_adj_ny = 0
 (2) imm4_adj_ny = 0
 (3) imm6_adj_ny = 0
 (4) imm7_adj_ny = 0
 (5) imm8_adj_ny = 0

F(5, 11974) = 1.01
 Prob > F = 0.4101

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.46
 Prob > F = 0.4994

(1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
 (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
 (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 1.01
 Prob > F = 0.3864

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_nounempny.xls
 dir : seeout
 note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity

Linear regression Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.1209
 Root MSE = .27383

eperoll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	-.0045941	.0068274	-0.67	0.501	-.0179768	.0087887
imm4_adj_ny	.0092094	.0073333	1.26	0.209	-.0051651	.0235839
imm6_adj_ny	-.0044452	.0051145	-0.87	0.385	-.0144705	.0055801
imm7_adj_ny	.0001119	.0053266	0.02	0.983	-.0103292	.010553
imm8_adj_ny	-.0017883	.0052651	-0.34	0.734	-.0121088	.0085322
male	.006694	.0051364	1.30	0.193	-.003374	.0167621
gendermiss_flag	0	(omitted)				
tsd_age	-.0035872	.0005988	-5.99	0.000	-.0047609	-.0024135
doage2	.0003557	.0005194	0.68	0.493	-.0006623	.0013738
doage2miss_flag	0	(omitted)				
race_a	-.005078	.018597	-0.27	0.785	-.0415311	.0313752
race_b	.0264837	.0072585	3.65	0.000	.0122558	.0407116
race_h	.0084385	.0091495	0.92	0.356	-.009496	.0263729
race_i	.0588898	.0546526	1.08	0.281	-.0482382	.1660178
race_o	.0311654	.0223383	1.40	0.163	-.0126213	.0749521
race_mis	.002103	.0136409	0.15	0.877	-.0246355	.0288415
tsd_edu_hs	.0091362	.0076719	1.19	0.234	-.0059019	.0241742
tsd_edu_mrhs	.0398207	.0090546	4.40	0.000	.0220723	.0575692
tsd_edu_mis	.0209069	.0077416	2.70	0.007	.0057321	.0360817
tsd_mie_exp	-.0047974	.0162096	-0.30	0.767	-.0365708	.026976
tsd_mie_mis	.0067268	.0082832	0.81	0.417	-.0095096	.0229631
tsd_mie_psbl	-.0057966	.0078507	-0.74	0.460	-.0211853	.0095921
tsd_medicare	-.0196067	.0068029	-2.88	0.004	-.0329414	-.006272
tsd_medicare_miss	-.0498367	.020175	-2.47	0.014	-.0893829	-.0102904
tsd_depend_1	-.0108876	.00788	-1.38	0.167	-.0263337	.0045584

tsd_depend_2	-.0132386	.0065485	-2.02	0.043	-.0260747	-.0004025
tsd_depend_miss	-.0635537	.0225357	-2.82	0.005	-.1077272	-.0193802
tsd_vrpr	.0057862	.0140852	0.41	0.681	-.021823	.0333954
tsd_vrpr_miss	-.054308	.0125734	-4.32	0.000	-.078954	-.029662
pdcgrou2	-.02535	.0107295	-2.36	0.018	-.0463815	-.0043185
pdcgrou3	-.0261441	.0104236	-2.51	0.012	-.0465761	-.0057121
pdcgrou4	-.0256998	.0096687	-2.66	0.008	-.0446521	-.0067475
pdcgrou5	-.0623539	.0205414	-3.04	0.002	-.1026185	-.0220894
cohort2000	-.0077607	.0099041	-0.78	0.433	-.0271744	.011653
cohort2001	-.0129567	.0183344	-0.71	0.480	-.0488951	.0229817
cohort2002	-.0019349	.0293535	-0.07	0.947	-.0594725	.0356028
cohort2003	-.0433399	.0407749	-1.06	0.288	-.1232653	.0365856
cohort2004	-.0013075	.0447444	-0.03	0.977	-.0890138	.0863988
award_b4_tsd	.0355132	.0233868	1.52	0.129	-.0103287	.0813551
diaward_tsd	-.0013779	.0008307	-1.66	0.097	-.0030063	.0002505
epeb4twp_flag	.0559981	.018747	2.99	0.003	.019251	.0927452
ldwb4twp_flag	-.395169	.1531979	-2.58	0.010	-.6954616	-.0948763
ldwb4epe_flag	.5374621	.1118372	4.81	0.000	.318243	.7566812
twpb4tsd	.3442138	.0196562	17.51	0.000	.3056844	.3827431
epeb4tsd	-.2029769	.0122578	-16.56	0.000	-.227004	-.1789497
ldwb4tsd	-.0968905	.014872	-6.51	0.000	-.126042	-.067739
pial	.000039	.0000207	1.89	0.059	-1.53e-06	.0000795
pia_miss	.0332871	.0257769	1.29	0.197	-.0172398	.0838139
ime1	-.0000241	5.93e-06	-4.07	0.000	-.0000357	-.0000125
ime_miss	-.0826967	.0111359	-7.43	0.000	-.1045249	-.0608686
_cons	.2989421	.0338121	8.84	0.000	.2326649	.3652193

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

eperoll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0015063	.0053536	0.28	0.778	-.0089875 .0120002

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0015063

eperoll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	2.73e-17	.0053536	0.00	1.000	-.0104938 .0104938

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.47
 Prob > F = 0.7980

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.08
 Prob > F = 0.7784

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.72
 Prob > F = 0.5373

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_nounempny.xls
 dir : seeout
 note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity

Linear regression Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.0275
 Root MSE = .19971

twproll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	.0029432	.0053378	0.55	0.581	-.0075197	.0134062
imm4_adj_ny	.0002319	.0052078	0.04	0.964	-.0099762	.01044
imm6_adj_ny	-.0055262	.0036699	-1.51	0.132	-.0127198	.0016673
imm7_adj_ny	.0011237	.0039048	0.29	0.774	-.0065303	.0087776
imm8_adj_ny	-.0007799	.0038267	-0.20	0.839	-.0082808	.0067211
male	.0097189	.0037398	2.60	0.009	.0023883	.0170495
gendermiss_flag	0	(omitted)				
tsd_age	-.0018555	.0004306	-4.31	0.000	-.0026997	-.0010114
doage2	.0005533	.0003759	1.47	0.141	-.0001835	.00129
doage2miss_flag	0	(omitted)				
race_a	-.0082338	.0128367	-0.64	0.521	-.0333957	.0169281
race_b	.0129713	.005295	2.45	0.014	.0025923	.0233503
race_h	.0038504	.0066884	0.58	0.565	-.0092599	.0169607
race_i	.0672013	.0520548	1.29	0.197	-.0348346	.1692371
race_o	-.0010713	.0143068	-0.07	0.940	-.0291149	.0269723
race_mis	-.0085628	.0096175	-0.89	0.373	-.0274147	.0102892
tsd_edu_hs	.0027368	.0057243	0.48	0.633	-.0084837	.0139573
tsd_edu_mrhs	.0150615	.0065703	2.29	0.022	.0021826	.0279405
tsd_edu_mis	.0122956	.0058357	2.11	0.035	.0008566	.0237346
tsd_mie_exp	.0005115	.0115877	0.04	0.965	-.0222023	.0232252
tsd_mie_mis	.0028309	.0062154	0.46	0.649	-.0093523	.015014
tsd_mie_psbl	-.0008506	.0058242	-0.15	0.884	-.0122669	.0105658
tsd_medicare	-.0200786	.0048685	-4.12	0.000	-.0296217	-.0105355
tsd_medicare_miss	-.0279757	.0125841	-2.22	0.026	-.0526426	-.0033089
tsd_depend_1	-.0069684	.0058273	-1.20	0.232	-.0183909	.004454
tsd_depend_2	-.01307	.0046933	-2.78	0.005	-.0222697	-.0038703
tsd_depend_miss	-.0604669	.0187036	-3.23	0.001	-.0971291	-.0238048
tsd_vrpr	-.0032156	.0101578	-0.32	0.752	-.0231265	.0166953
tsd_vrpr_miss	-.0254067	.0091698	-2.77	0.006	-.0433809	-.0074324
pdcgrou2	-.0183853	.0079969	-2.30	0.022	-.0340604	-.0027101
pdcgrou3	-.0190959	.0075405	-2.53	0.011	-.0338765	-.0043154
pdcgrou4	-.0173725	.0071485	-2.43	0.015	-.0313847	-.0033603
pdcgrou5	-.0427358	.0124896	-3.42	0.001	-.0672174	-.0182542
cohort2000	-.0062861	.007115	-0.88	0.377	-.0202327	.0076604
cohort2001	-.0113463	.0130617	-0.87	0.385	-.0369493	.0142568
cohort2002	-.0040002	.0218037	-0.18	0.854	-.0467391	.0387386
cohort2003	-.0528528	.0271553	-1.95	0.052	-.1060817	.000376
cohort2004	-.0613379	.0271955	-2.26	0.024	-.1146455	-.0080303
award_b4_tsd	.0219369	.0184745	1.19	0.235	-.014276	.0581499
diaward_tsd	-.0004565	.0006117	-0.75	0.455	-.0016556	.0007425
epeb4twp_flag	-.0482571	.0108738	-4.44	0.000	-.0695714	-.0269427
ldwb4twp_flag	-.1134867	.0798567	-1.42	0.155	-.2700186	.0430453
ldwb4epe_flag	.1489457	.0955427	1.56	0.119	-.0383336	.3362249
twpb4tsd	-.0514893	.0029394	-17.52	0.000	-.057251	-.0457275

epeb4tsd	-.0354214	.0034484	-10.27	0.000	-.0421809	-.028662
ldwb4tsd	-.0130684	.0036372	-3.59	0.000	-.0201979	-.0059389
pial	.0000161	.0000129	1.25	0.213	-9.21e-06	.0000414
pia_miss	.0462673	.020218	2.29	0.022	.0066366	.0858979
ime1	-9.65e-06	3.68e-06	-2.62	0.009	-.0000169	-2.44e-06
ime_miss	-.0364183	.007868	-4.63	0.000	-.0518409	-.0209957
_cons	.154339	.0240545	6.42	0.000	.1071883	.2014897

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

twproll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0020073	.0039338	0.51	0.610	-.0057036 .0097182

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0020073

twproll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	8.67e-18	.0039338	0.00	1.000	-.0077109 .0077109

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.52
 Prob > F = 0.7620

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.26
 Prob > F = 0.6099

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.65
 Prob > F = 0.5819

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_nounempny.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.0453
 Root MSE = .25164

twproll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]

imm1_adj_ny	.0006674	.0065776	0.10	0.919	-.0122258	.0135606
imm4_adj_ny	.0048908	.0066973	0.73	0.465	-.008237	.0180186
imm6_adj_ny	-.006086	.0047127	-1.29	0.197	-.0153238	.0031517
imm7_adj_ny	-.0026926	.0048193	-0.56	0.576	-.0121393	.006754
imm8_adj_ny	.0011871	.0048844	0.24	0.808	-.0083871	.0107613
male	.005152	.0047228	1.09	0.275	-.0041055	.0144094
gendermiss_flag	0	(omitted)				
tsd_age	-.0026865	.0005377	-5.00	0.000	-.0037404	-.0016326
doage2	.0007603	.0004782	1.59	0.112	-.000177	.0016976
doage2miss_flag	0	(omitted)				
race_a	-.0008603	.0170814	-0.05	0.960	-.0343426	.032622
race_b	.0189478	.0065501	2.89	0.004	.0061086	.031787
race_h	.0059227	.0084305	0.70	0.482	-.0106024	.0224478
race_i	.1222234	.0650307	1.88	0.060	-.0052474	.2496941
race_o	.0057458	.0192305	0.30	0.765	-.0319491	.0434407
race_mis	-.0085107	.0125007	-0.68	0.496	-.0330141	.0159928
tsd_edu_hs	.0041925	.0073046	0.57	0.566	-.0101256	.0185107
tsd_edu_mrhs	.0174875	.0083478	2.09	0.036	.0011244	.0338506
tsd_edu_mis	.0097701	.0073457	1.33	0.184	-.0046288	.0241689
tsd_mie_exp	.0249161	.015637	1.59	0.111	-.005735	.0555673
tsd_mie_mis	.0073811	.0075041	0.98	0.325	-.0073282	.0220904
tsd_mie_psbl	.0083406	.0070479	1.18	0.237	-.0054744	.0221556
tsd_medicare	-.0301396	.0061925	-4.87	0.000	-.0422779	-.0180013
tsd_medicare_miss	-.0516109	.0134628	-3.83	0.000	-.0780002	-.0252216
tsd_depend_1	-.0112711	.0073195	-1.54	0.124	-.0256186	.0030763
tsd_depend_2	-.0151798	.0061023	-2.49	0.013	-.0271414	-.0032182
tsd_depend_miss	-.0748072	.0215259	-3.48	0.001	-.1170014	-.0326131
tsd_vrpr	-.012137	.0132763	-0.91	0.361	-.0381607	.0138867
tsd_vrpr_miss	-.0646505	.0119931	-5.39	0.000	-.088159	-.041142
pdcgrou2	-.0363754	.0098792	-3.68	0.000	-.0557403	-.0170106
pdcgrou3	-.0241751	.0097425	-2.48	0.013	-.0432721	-.0050781
pdcgrou4	-.0256393	.0090457	-2.83	0.005	-.0433702	-.0079083
pdcgrou5	-.0695004	.0177036	-3.93	0.000	-.1042023	-.0347985
cohort2000	-.0187419	.0089527	-2.09	0.036	-.0362906	-.0011931
cohort2001	-.0316482	.0165421	-1.91	0.056	-.0640734	.000777
cohort2002	-.0168279	.0277104	-0.61	0.544	-.0711448	.037489
cohort2003	-.0503162	.0342979	-1.47	0.142	-.1175457	.0169132
cohort2004	-.0786217	.0337454	-2.33	0.020	-.1447681	-.0124752
award_b4_tsd	.0105327	.0225509	0.47	0.640	-.0336707	.0547362
diaward_tsd	-.0014237	.0007695	-1.85	0.064	-.002932	.0000846
epeb4twp_flag	-.0684379	.0137846	-4.96	0.000	-.0954579	-.0414179
ldwb4twp_flag	-.1760568	.115904	-1.52	0.129	-.4032474	.0511338
ldwb4epe_flag	.2503681	.1134991	2.21	0.027	.0278914	.4728447
twpb4tsd	-.085862	.003934	-21.83	0.000	-.0935733	-.0781508
epeb4tsd	-.057627	.0048713	-11.83	0.000	-.0671755	-.0480786
ldwb4tsd	-.0192682	.0056693	-3.40	0.001	-.0303809	-.0081554
pia1	.000032	.0000179	1.79	0.073	-2.97e-06	.0000671
pia_miss	.0650066	.0241052	2.70	0.007	.0177564	.1122567
ime1	-.0000162	5.29e-06	-3.06	0.002	-.0000266	-5.85e-06
ime_miss	-.0598305	.0102617	-5.83	0.000	-.0799451	-.039716
_cons	.2782621	.0306892	9.07	0.000	.2181064	.3384179

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

twproll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0020333	.0048988	0.42	0.678	-.0075692 .0116357

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0020333

twproll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	1.43e-17	.0048988	0.00	1.000	-.0096025	.0096025

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.47
 Prob > F = 0.8015

- (1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.17
 Prob > F = 0.6781

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.63
 Prob > F = 0.5973

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_nounempny.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.0572
 Root MSE = .2898

twproll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	.0009658	.00758	0.13	0.899	-.0138922	.0158239
imm4_adj_ny	-.0013978	.0074495	-0.19	0.851	-.0160001	.0132045
imm6_adj_ny	-.0061033	.0054537	-1.12	0.263	-.0167934	.0045867
imm7_adj_ny	.0001409	.0055883	0.03	0.980	-.0108131	.0110949
imm8_adj_ny	.0042707	.0056716	0.75	0.451	-.0068465	.0153879
male	.0123321	.005431	2.27	0.023	.0016864	.0229778
gendermiss_flag	0	(omitted)				
tsd_age	-.0037019	.0006234	-5.94	0.000	-.0049239	-.0024799
doage2	.0010112	.0005539	1.83	0.068	-.0000745	.0020969
doage2miss_flag	0	(omitted)				
race_a	.0162854	.0211929	0.77	0.442	-.0252561	.0578269
race_b	.0185764	.0074357	2.50	0.012	.0040013	.0331515
race_h	.0059472	.0097163	0.61	0.540	-.0130982	.0249927
race_i	.0938192	.0650256	1.44	0.149	-.0336415	.2212798
race_o	.0043742	.0222079	0.20	0.844	-.0391569	.0479054
race_mis	-.0158924	.0141003	-1.13	0.260	-.0435313	.0117465
tsd_edu_hs	.01379	.0083831	1.64	0.100	-.0026422	.0302221
tsd_edu_mrhs	.0324	.0095963	3.38	0.001	.0135898	.0512103
tsd_edu_mis	.0159086	.0084017	1.89	0.058	-.00056	.0323772

tsd_mie_exp	.0196523	.0173543	1.13	0.257	-.0143648	.0536695
tsd_mie_mis	.0050921	.0085775	0.59	0.553	-.0117213	.0219055
tsd_mie_psbl	.0110333	.0081099	1.36	0.174	-.0048635	.0269301
tsd_medicare	-.0299272	.0070511	-4.24	0.000	-.0437484	-.016106
tsd_medicare_miss	-.0590433	.0179654	-3.29	0.001	-.0942583	-.0238283
tsd_depend_1	-.0099266	.0084568	-1.17	0.240	-.0265033	.0066501
tsd_depend_2	-.0172199	.0069846	-2.47	0.014	-.0309109	-.0035289
tsd_depend_miss	-.0567199	.0229122	-2.48	0.013	-.1016314	-.0118083
tsd_vrpr	-.0397395	.0154361	-2.57	0.010	-.0699969	-.0094822
tsd_vrpr_miss	-.1083603	.0140561	-7.71	0.000	-.1359125	-.080808
pdcgrou2	-.0528856	.0114136	-4.63	0.000	-.0752581	-.0305131
pdcgrou3	-.0352975	.0112491	-3.14	0.002	-.0573476	-.0132473
pdcgrou4	-.0396581	.010359	-3.83	0.000	-.0599634	-.0193529
pdcgrou5	-.0237174	.0721013	-0.33	0.742	-.1650476	.1176128
cohort2000	-.0138047	.0105635	-1.31	0.191	-.0345109	.0069016
cohort2001	-.026954	.0194856	-1.38	0.167	-.065149	.0112409
cohort2002	-.0004867	.0316407	-0.02	0.988	-.0625076	.0615341
cohort2003	-.0405543	.0412948	-0.98	0.326	-.1214987	.0403902
cohort2004	-.0361886	.0434237	-0.83	0.405	-.1213061	.048929
award_b4_tsd	.0105508	.0248963	0.42	0.672	-.03825	.0593517
diaward_tsd	-.0011422	.0008951	-1.28	0.202	-.0028967	.0006123
epeb4twp_flag	-.0896283	.0161401	-5.55	0.000	-.1212655	-.0579911
ldwb4twp_flag	-.2108473	.1344148	-1.57	0.117	-.4743221	.0526276
ldwb4epe_flag	.2921541	.1180876	2.47	0.013	.0606832	.523625
twpb4tsd	-.1178518	.0047066	-25.04	0.000	-.1270774	-.1086261
epeb4tsd	-.0812553	.0061579	-13.20	0.000	-.0933258	-.0691848
ldwb4tsd	-.0263076	.0074963	-3.51	0.000	-.0410016	-.0116136
pial	.0000361	.000021	1.72	0.086	-5.14e-06	.0000773
pia_miss	.0493091	.0263748	1.87	0.062	-.0023898	.101008
ime1	-.0000227	6.21e-06	-3.65	0.000	-.0000348	-.0000105
ime_miss	-.0826209	.0119529	-6.91	0.000	-.1060505	-.0591913
_cons	.3733978	.035282	10.58	0.000	.3042394	.4425561

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

twproll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0021237	.0055756	0.38	0.703	-.0088054 .0130529

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0021237

twproll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	2.43e-17	.0055756	0.00	1.000	-.0109291 .0109291

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.36
 Prob > F = 0.8748

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.15

Prob > F = 0.7033

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.52
 Prob > F = 0.6695

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_nounempny.xls
 dir : seeout
 note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.0703
 Root MSE = .31058

twproll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	-.0048828	.007962	-0.61	0.540	-.0204897	.010724
imm4_adj_ny	-.001127	.00801	-0.14	0.888	-.0168279	.0145739
imm6_adj_ny	-.0035468	.0058782	-0.60	0.546	-.0150691	.0079755
imm7_adj_ny	-.0021487	.0059552	-0.36	0.718	-.0138219	.0095245
imm8_adj_ny	.010753	.0061357	1.75	0.080	-.0012739	.02278
male	.0114515	.0058327	1.96	0.050	.0000185	.0228845
gendermiss_flag	0	(omitted)				
tsd_age	-.0041841	.0006742	-6.21	0.000	-.0055057	-.0028625
doage2	.0010156	.0005984	1.70	0.090	-.0001574	.0021887
doage2miss_flag	0	(omitted)				
race_a	.022925	.0230298	1.00	0.320	-.0222172	.0680672
race_b	.0217492	.0079622	2.73	0.006	.0061419	.0373565
race_h	.0021437	.0102885	0.21	0.835	-.0180234	.0223108
race_i	.098829	.0690721	1.43	0.153	-.0365636	.2342216
race_o	.0004926	.0236944	0.02	0.983	-.0459523	.0469376
race_mis	-.025249	.014543	-1.74	0.083	-.0537556	.0032576
tsd_edu_hs	.0158646	.0090674	1.75	0.080	-.0019089	.0336382
tsd_edu_mrhs	.0326421	.0102544	3.18	0.001	.0125418	.0527424
tsd_edu_mis	.0126003	.0090027	1.40	0.162	-.0050465	.0302472
tsd_mie_exp	.0187656	.0180978	1.04	0.300	-.016709	.0542402
tsd_mie_mis	.0082653	.0091779	0.90	0.368	-.0097249	.0262554
tsd_mie_psbl	.0166665	.0086382	1.93	0.054	-.0002657	.0335988
tsd_medicare	-.0341386	.0076448	-4.47	0.000	-.0491237	-.0191535
tsd_medicare_miss	-.0729394	.0184301	-3.96	0.000	-.1090654	-.0368134
tsd_depend_1	-.003379	.0090536	-0.37	0.709	-.0211256	.0143676
tsd_depend_2	-.0069657	.0075378	-0.92	0.355	-.021741	.0078096
tsd_depend_miss	-.0744226	.0251904	-2.95	0.003	-.1238	-.0250453
tsd_vrpr	-.0582037	.0165756	-3.51	0.000	-.0906945	-.025713
tsd_vrpr_miss	-.1435482	.01509	-9.51	0.000	-.1731271	-.1139693
pdcgrou2	-.061031	.0121315	-5.03	0.000	-.0848108	-.0372513
pdcgrou3	-.0321732	.0119602	-2.69	0.007	-.0556171	-.0087293
pdcgrou4	-.0424403	.0109409	-3.88	0.000	-.0638863	-.0209942
pdcgrou5	-.0395765	.0711791	-0.56	0.578	-.1790991	.0999461
cohort2000	-.0149103	.0113225	-1.32	0.188	-.0371041	.0072836
cohort2001	-.019513	.0209009	-0.93	0.351	-.0604821	.0214561
cohort2002	.0070818	.0337776	0.21	0.834	-.0591278	.0732914
cohort2003	-.0135267	.0448199	-0.30	0.763	-.1013809	.0743274
cohort2004	-.018224	.0465765	-0.39	0.696	-.1095216	.0730735

award_b4_tsd	.0053217	.0261742	0.20	0.839	-.045984	.0566275
diaward_tsd	-.0010471	.000965	-1.09	0.278	-.0029386	.0008445
epeb4twp_flag	-.1039808	.0174573	-5.96	0.000	-.1382	-.0697616
ldwb4twp_flag	-.2993534	.1817584	-1.65	0.100	-.6556294	.0569225
ldwb4epe_flag	.4686202	.1131272	4.14	0.000	.2468725	.6903679
twpb4tsd	-.1385805	.0052764	-26.26	0.000	-.148923	-.1282379
epeb4tsd	-.0948481	.0070648	-13.43	0.000	-.1086962	-.0809999
ldwb4tsd	-.0298321	.0089031	-3.35	0.001	-.0472837	-.0123806
pial	.000036	.0000223	1.62	0.105	-7.58e-06	.0000797
pia_miss	.0711933	.0287367	2.48	0.013	.0148647	.1275219
ime1	-.0000282	6.59e-06	-4.28	0.000	-.0000411	-.0000153
ime_miss	-.0989457	.0127321	-7.77	0.000	-.1239027	-.0739887
_cons	.44217	.0380463	11.62	0.000	.3675931	.516747

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

twproll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	.0009523	.0059369	0.16	0.873	-.010685	.0125895

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0009523

twproll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-1.93e-17	.0059369	-0.00	1.000	-.0116373	.0116373

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.69
 Prob > F = 0.6318

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.03
 Prob > F = 0.8726

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.72
 Prob > F = 0.5420

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_nounempny.xls
 dir : seeout
 note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity

Linear regression
 Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.3168

Root MSE = .15346

srvroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	.0103224	.0044408	2.32	0.020	.0016177	.0190271
imm4_adj_ny	.0026224	.0043918	0.60	0.550	-.0059863	.0112312
imm6_adj_ny	.0021387	.0031189	0.69	0.493	-.0039748	.0082522
imm7_adj_ny	-.0042866	.00281	-1.53	0.127	-.0097946	.0012214
imm8_adj_ny	-.0048274	.0028474	-1.70	0.090	-.0104089	.000754
male	-.0009627	.0029697	-0.32	0.746	-.0067838	.0048584
gendermiss_flag	0	(omitted)				
tsd_age	-.0000559	.0004017	-0.14	0.889	-.0008434	.0007315
doage2	-.0000134	.0003841	-0.03	0.972	-.0007662	.0007394
doage2miss_flag	0	(omitted)				
race_a	.0056984	.011039	0.52	0.606	-.0159397	.0273366
race_b	.0005238	.003946	0.13	0.894	-.0072109	.0082585
race_h	.0010739	.0047062	0.23	0.820	-.0081511	.0102989
race_i	-.0033878	.0313214	-0.11	0.914	-.0647829	.0580073
race_o	.0256987	.0133062	1.93	0.053	-.0003835	.051781
race_mis	.0004098	.0091976	0.04	0.964	-.0176191	.0184386
tsd_edu_hs	-.0017856	.0044978	-0.40	0.691	-.010602	.0070308
tsd_edu_mrhs	-.0019774	.005149	-0.38	0.701	-.0120703	.0081155
tsd_edu_mis	.0006668	.0049685	0.13	0.893	-.0090722	.0104058
tsd_mie_exp	.0034169	.0096077	0.36	0.722	-.0154158	.0222495
tsd_mie_mis	-.0100063	.0049132	-2.04	0.042	-.019637	-.0003757
tsd_mie_psbl	-.0061545	.0046195	-1.33	0.183	-.0152094	.0029004
tsd_medicare	-.0034315	.003848	-0.89	0.373	-.0109742	.0041113
tsd_medicare_miss	-.0121472	.0053836	-2.26	0.024	-.0226999	-.0015946
tsd_depend_1	.0016816	.0041082	0.41	0.682	-.006371	.0097343
tsd_depend_2	-.0011005	.0033847	-0.33	0.745	-.0077351	.0055341
tsd_depend_miss	-.0057269	.0147233	-0.39	0.697	-.034587	.0231332
tsd_vrpr	-.3790448	.0170618	-22.22	0.000	-.4124887	-.3456009
tsd_vrpr_miss	-.4051587	.0167697	-24.16	0.000	-.4380301	-.3722873
pdcgrou2	-.0089459	.0061898	-1.45	0.148	-.0210788	.0031871
pdcgrou3	-.001761	.0055527	-0.32	0.751	-.0126451	.0091231
pdcgrou4	-.0041726	.0053464	-0.78	0.435	-.0146524	.0063072
pdcgrou5	-.0150244	.0085712	-1.75	0.080	-.0318253	.0017766
cohort2000	-.0098939	.0057824	-1.71	0.087	-.0212283	.0014405
cohort2001	-.0191621	.0103732	-1.85	0.065	-.0394952	.001171
cohort2002	-.0109374	.017422	-0.63	0.530	-.0450874	.0232126
cohort2003	-.0523429	.0219702	-2.38	0.017	-.0954081	-.0092776
cohort2004	-.0739158	.0230331	-3.21	0.001	-.1190644	-.0287672
award_b4_tsd	-.0117334	.0136648	-0.86	0.391	-.0385186	.0150518
diaward_tsd	-.0007017	.000476	-1.47	0.140	-.0016346	.0002313
epeb4twp_flag	-.0172311	.0126704	-1.36	0.174	-.042067	.0076049
ldwb4twp_flag	.1898943	.1661356	1.14	0.253	-.1357584	.515547
ldwb4epe_flag	-.0085772	.0476232	-0.18	0.857	-.1019263	.0847719
twpb4tsd	.0025258	.0079405	0.32	0.750	-.0130388	.0180904
epeb4tsd	.0055224	.0104755	0.53	0.598	-.0150112	.0260561
ldwb4tsd	-.0112773	.0093983	-1.20	0.230	-.0296995	.007145
pial	-3.35e-06	.0000126	-0.27	0.790	-.000028	.0000213
pia_miss	.0055986	.016755	0.33	0.738	-.0272439	.0384411
ime1	2.41e-07	3.55e-06	0.07	0.946	-6.71e-06	7.19e-06
ime_miss	-.0020528	.0072251	-0.28	0.776	-.0162152	.0121096
_cons	.4502017	.0248567	18.11	0.000	.4014786	.4989249

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

srvroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
-----------	-------	-----------	---	------	----------------------	--

```
-----+-----
(1) | -.0059695 .0028796 -2.07 0.038 -.011614 -.000325
-----+-----
```

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = .0059695

```
-----+-----
srvroll12 | Coef. Std. Err. t P>|t| [95% Conf. Interval]
-----+-----
(1) | 1.65e-17 .0028796 0.00 1.000 -.0056445 .0056445
-----+-----
```

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 2.34
 Prob > F = 0.0396

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 4.30
 Prob > F = 0.0382

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.34
 Prob > F = 0.7985

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_nounempny.xls

dir : seeout
 note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity

Linear regression Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.4261
 Root MSE = .18046

```
-----+-----
                |           Robust
                |           Coef.   Std. Err.   t   P>|t|   [95% Conf. Interval]
-----+-----
imm1_adj_ny | .0059696   .0050333   1.19  0.236   -.0038965   .0158358
imm4_adj_ny | .0003405   .0048963   0.07  0.945   -.0092571   .009938
imm6_adj_ny | -.001289   .0035545  -0.36  0.717   -.0082565   .0056785
imm7_adj_ny | -.0010222   .0032978  -0.31  0.757   -.0074866   .0054421
imm8_adj_ny | -.0024668   .0034114  -0.72  0.470   -.0091538   .0042201
male         | -.0029111   .0034538  -0.84  0.399   -.009681    .0038589
gendermiss_flag | 0 (omitted)
tsd_age     | -.0006655   .0004783  -1.39  0.164   -.0016031   .000272
doage2      | -.0001749   .0004546  -0.38  0.700   -.0010659   .0007162
doage2miss_flag | 0 (omitted)
race_a      | -.0031036   .0129543  -0.24  0.811   -.0284961   .0222889
race_b      | -.0099007   .0045228  -2.19  0.029   -.0187661   -.0010353
race_h      | -.0040293   .0052232  -0.77  0.440   -.0142677   .0062091
race_i      | -.0020899   .0330364  -0.06  0.950   -.0668465   .0626668
-----+-----
```

race_o	.0167429	.0142019	1.18	0.238	-.0110951	.044581
race_mis	-.0050575	.010117	-0.50	0.617	-.0248884	.0147734
tsd_edu_hs	.0003851	.0051609	0.07	0.941	-.0097312	.0105014
tsd_edu_mrhs	.0021232	.0059853	0.35	0.723	-.009609	.0138553
tsd_edu_mis	-.0025953	.0056407	-0.46	0.645	-.0136521	.0084614
tsd_mie_exp	-.0145903	.0100641	-1.45	0.147	-.0343176	.0051371
tsd_mie_mis	-.0162666	.0061099	-2.66	0.008	-.028243	-.0042902
tsd_mie_psbl	-.0135001	.0057572	-2.34	0.019	-.0247851	-.0022151
tsd_medicare	-.0108785	.0045931	-2.37	0.018	-.0198818	-.0018753
tsd_medicare_miss	-.0100726	.0132502	-0.76	0.447	-.036045	.0158999
tsd_depend_1	-.0026433	.0046591	-0.57	0.570	-.011776	.0064893
tsd_depend_2	-.003606	.0038534	-0.94	0.349	-.0111593	.0039474
tsd_depend_miss	.0026459	.018076	0.15	0.884	-.0327861	.0380778
tsd_vrpr	-.5446617	.0173495	-31.39	0.000	-.5786694	-.5106539
tsd_vrpr_miss	-.6014004	.0165957	-36.24	0.000	-.6339307	-.5688702
pdcgrou2	-.0109107	.0071566	-1.52	0.127	-.0249389	.0031174
pdcgrou3	-.0113704	.0061601	-1.85	0.065	-.0234453	.0007045
pdcgrou4	-.0060975	.0060509	-1.01	0.314	-.0179583	.0057633
pdcgrou5	.0443242	.0705294	0.63	0.530	-.0939248	.1825732
cohort2000	.006378	.0068656	0.93	0.353	-.0070797	.0198356
cohort2001	.0082473	.0122905	0.67	0.502	-.0158441	.0323387
cohort2002	.0290843	.0190562	1.53	0.127	-.0082691	.0664376
cohort2003	-.002221	.0295479	-0.08	0.940	-.0601396	.0556976
cohort2004	-.0828389	.0299683	-2.76	0.006	-.1415817	-.0240961
award_b4_tsd	-.0161168	.0146599	-1.10	0.272	-.0448526	.0126189
diaward_tsd	.0004247	.0005526	0.77	0.442	-.0006585	.001508
epeb4twp_flag	-.0295828	.0156172	-1.89	0.058	-.060195	.0010294
ldwb4twp_flag	.1270869	.1076175	1.18	0.238	-.0838609	.3380347
ldwb4epe_flag	-.0371495	.0468665	-0.79	0.428	-.1290155	.0547164
twpb4tsd	-.0043641	.0090752	-0.48	0.631	-.0221529	.0134247
epeb4tsd	.0181159	.0135999	1.33	0.183	-.0085421	.0447739
ldwb4tsd	-.0258701	.0129696	-1.99	0.046	-.0512927	-.0004475
pial	.0000114	.0000153	0.74	0.457	-.0000186	.0000413
pia_miss	-.0049621	.0205291	-0.24	0.809	-.0452025	.0352783
ime1	-3.46e-06	4.48e-06	-0.77	0.439	-.0000122	5.31e-06
ime_miss	-.0018832	.0088822	-0.21	0.832	-.0192939	.0155274
_cons	.6541852	.0263047	24.87	0.000	.6026237	.7057466

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

srvroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.001532	.0035129	-0.44	0.663	-.0084178 .0053539

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = .001532

srvroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	1.52e-18	.0035129	0.00	1.000	-.0068859 .0068859

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.34
 Prob > F = 0.8881

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.19
 Prob > F = 0.6628

(1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
 (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
 (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.05
 Prob > F = 0.9831

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_nounempny.xls
 dir : seeout
 note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity

Linear regression Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.5499
 Root MSE = .1761

-----	-----					
	Robust					
srvroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
-----	-----	-----	-----	-----	-----	-----
imm1_adj_ny	.0052716	.0051174	1.03	0.303	-.0047594	.0153026
imm4_adj_ny	-.0004418	.0048781	-0.09	0.928	-.0100037	.0091201
imm6_adj_ny	-.0029268	.0034326	-0.85	0.394	-.0096552	.0038016
imm7_adj_ny	-.0004408	.0031283	-0.14	0.888	-.0065728	.0056911
imm8_adj_ny	-.0006107	.0033659	-0.18	0.856	-.0072084	.005987
male	-.0012151	.0033719	-0.36	0.719	-.0078247	.0053944
gendermiss_flag	0	(omitted)				
tsd_age	-.0008887	.0004722	-1.88	0.060	-.0018144	.0000369
doage2	.0001373	.0004462	0.31	0.758	-.0007373	.0010119
doage2miss_flag	0	(omitted)				
race_a	-.0119219	.013063	-0.91	0.361	-.0375275	.0136837
race_b	-.006043	.0044033	-1.37	0.170	-.0146741	.0025882
race_h	-.004972	.0051961	-0.96	0.339	-.0151572	.0052133
race_i	.0142807	.0273865	0.52	0.602	-.0394014	.0679627
race_o	.0018502	.01383	0.13	0.894	-.0252588	.0289592
race_mis	-.006698	.0098638	-0.68	0.497	-.0260326	.0126366
tsd_edu_hs	.0040852	.0050857	0.80	0.422	-.0058836	.0140541
tsd_edu_mrhs	.0067829	.0059023	1.15	0.251	-.0047866	.0183523
tsd_edu_mis	-.0027955	.0055383	-0.50	0.614	-.0136515	.0080604
tsd_mie_exp	-.0235717	.0095578	-2.47	0.014	-.0423066	-.0048369
tsd_mie_mis	-.0164284	.0060676	-2.71	0.007	-.0283218	-.0045349
tsd_mie_psbl	-.0159715	.0056241	-2.84	0.005	-.0269957	-.0049473
tsd_medicare	-.0110227	.004515	-2.44	0.015	-.0198728	-.0021725
tsd_medicare_miss	-.0037591	.011724	-0.32	0.748	-.0267401	.0192219
tsd_depend_1	-.0058156	.004643	-1.25	0.210	-.0149165	.0032854
tsd_depend_2	-.0054564	.0037152	-1.47	0.142	-.0127388	.001826
tsd_depend_miss	.0031402	.0185028	0.17	0.865	-.0331283	.0394086
tsd_vrpr	-.6905556	.0153704	-44.93	0.000	-.7206842	-.6604271
tsd_vrpr_miss	-.7549625	.0143625	-52.56	0.000	-.7831153	-.7268097
pdcgrou2	-.0106574	.0069983	-1.52	0.128	-.0243752	.0030604
pdcgrou3	-.0111333	.0059249	-1.88	0.060	-.0227471	.0004804
pdcgrou4	-.0021391	.0058546	-0.37	0.715	-.0136151	.0093368
pdcgrou5	.0421425	.0701515	0.60	0.548	-.0953658	.1796509
cohort2000	.0108198	.0066256	1.63	0.102	-.0021676	.0238071

cohort2001	.0171465	.0117107	1.46	0.143	-.0058083	.0401013
cohort2002	.0274519	.0180619	1.52	0.129	-.0079524	.0628562
cohort2003	-.0241927	.028406	-0.85	0.394	-.079873	.0314876
cohort2004	-.0985182	.0311353	-3.16	0.002	-.1595485	-.0374878
award_b4_tsd	.0003155	.0139992	0.02	0.982	-.0271253	.0277562
diaward_tsd	.0006671	.0005283	1.26	0.207	-.0003685	.0017026
epeb4twp_flag	-.0300207	.0146172	-2.05	0.040	-.0586728	-.0013685
ldwb4twp_flag	.0691173	.0649649	1.06	0.287	-.0582245	.196459
ldwb4epe_flag	-.0590639	.050302	-1.17	0.240	-.1576639	.0395361
twpb4tsd	-.0007738	.0088439	-0.09	0.930	-.0181093	.0165616
epeb4tsd	.0147211	.0124669	1.18	0.238	-.0097161	.0391583
ldwb4tsd	-.0234366	.0116183	-2.02	0.044	-.0462103	-.0006629
pial	8.39e-06	.0000156	0.54	0.590	-.0000221	.0000389
pia_miss	-.004777	.0210357	-0.23	0.820	-.0460103	.0364563
ime1	-2.93e-06	4.56e-06	-0.64	0.521	-.0000119	6.01e-06
ime_miss	.0023484	.0088712	0.26	0.791	-.0150406	.0197375
_cons	.7963042	.0247172	32.22	0.000	.7478544	.844754

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

srvroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0008515	.0034595	-0.25	0.806	-.0076326 .0059297

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = .0008515

srvroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	2.33e-17	.0034595	0.00	1.000	-.0067811 .0067811

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.28
 Prob > F = 0.9218

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.06
 Prob > F = 0.8056

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.29
 Prob > F = 0.8358

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_nounempny.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

Linear regression

Number of obs = 12023

F(47, 11974) = .
 Prob > F = .
 R-squared = 0.6460
 Root MSE = .16642

srvroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	.0070453	.0049644	1.42	0.156	-.0026857	.0167762
imm4_adj_ny	-.0009055	.0045911	-0.20	0.844	-.0099049	.0080938
imm6_adj_ny	-.0018408	.0031891	-0.58	0.564	-.008092	.0044104
imm7_adj_ny	.0000441	.0029555	0.01	0.988	-.0057492	.0058374
imm8_adj_ny	-.0035646	.0031711	-1.12	0.261	-.0097804	.0026512
male	-.0044709	.0032	-1.40	0.162	-.0107434	.0018017
gendermiss_flag	0	(omitted)				
tsd_age	-.0007759	.0004413	-1.76	0.079	-.0016409	.0000892
doage2	-.0000814	.0004133	-0.20	0.844	-.0008916	.0007287
doage2miss_flag	0	(omitted)				
race_a	-.0077024	.0130097	-0.59	0.554	-.0332034	.0177987
race_b	-.0012804	.0041936	-0.31	0.760	-.0095005	.0069398
race_h	-.0058605	.0050571	-1.16	0.247	-.0157732	.0040523
race_i	.0049887	.0259088	0.19	0.847	-.0457968	.0557742
race_o	.0103904	.010536	0.99	0.324	-.0102618	.0310426
race_mis	-.0030559	.0091263	-0.33	0.738	-.020945	.0148331
tsd_edu_hs	.0018818	.0049941	0.38	0.706	-.0079075	.011671
tsd_edu_mrhs	.0056161	.0056228	1.00	0.318	-.0054054	.0166376
tsd_edu_mis	-.0005848	.0053571	-0.11	0.913	-.0110856	.009916
tsd_mie_exp	-.0135876	.0084166	-1.61	0.106	-.0300855	.0029103
tsd_mie_mis	-.0142185	.0058258	-2.44	0.015	-.0256381	-.0027989
tsd_mie_psbl	-.0162278	.0054715	-2.97	0.003	-.0269528	-.0055028
tsd_medicare	-.0110604	.0042674	-2.59	0.010	-.0194252	-.0026956
tsd_medicare_miss	.004369	.0159277	0.27	0.784	-.0268519	.0355898
tsd_depend_1	-.0065399	.0044465	-1.47	0.141	-.0152557	.0021759
tsd_depend_2	-.0064712	.00348	-1.86	0.063	-.0132925	.0003502
tsd_depend_miss	-.0105232	.0180182	-0.58	0.559	-.0458418	.0247953
tsd_vrpr	-.8036892	.0121477	-66.16	0.000	-.8275007	-.7798777
tsd_vrpr_miss	-.8735422	.0106369	-82.12	0.000	-.8943922	-.8526923
pdcgrou2	-.0121408	.0065935	-1.84	0.066	-.0250652	.0007836
pdcgrou3	-.0128557	.0055007	-2.34	0.019	-.023638	-.0020734
pdcgrou4	-.0037437	.0054386	-0.69	0.491	-.0144043	.0069169
pdcgrou5	.0406211	.0702609	0.58	0.563	-.0971016	.1783437
cohort2000	.0132649	.0063646	2.08	0.037	.0007892	.0257406
cohort2001	.0237787	.0110375	2.15	0.031	.0021435	.045414
cohort2002	.0253904	.0170202	1.49	0.136	-.007972	.0587528
cohort2003	-.0171845	.030087	-0.57	0.568	-.0761599	.0417909
cohort2004	-.1132986	.0332193	-3.41	0.001	-.1784138	-.0481833
award_b4_tsd	.0044584	.0136107	0.33	0.743	-.0222209	.0311376
diaward_tsd	.0008985	.0004996	1.80	0.072	-.0000808	.0018778
epeb4twp_flag	-.0315356	.0151565	-2.08	0.037	-.0612448	-.0018264
ldwb4twp_flag	.0109122	.0460535	0.24	0.813	-.0793601	.1011845
ldwb4epe_flag	-.0111549	.0173405	-0.64	0.520	-.0451452	.0228354
twpb4tsd	-.0056432	.0083077	-0.68	0.497	-.0219276	.0106413
epeb4tsd	.0125272	.0132471	0.95	0.344	-.0134393	.0384937
ldwb4tsd	-.0289462	.0118089	-2.45	0.014	-.0520936	-.0057989
pial	-5.30e-07	.0000145	-0.04	0.971	-.0000289	.0000278
pia_miss	-.0035255	.0200545	-0.18	0.860	-.0428355	.0357845
ime1	-4.32e-07	4.15e-06	-0.10	0.917	-8.56e-06	7.70e-06
ime_miss	-.0000531	.0080682	-0.01	0.995	-.0158682	.0157619
_cons	.9194857	.0214498	42.87	0.000	.8774406	.9615309

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

srvroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-.0007784	.003313	-0.23	0.814	-.0072724	.0057156

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = .0007784

srvroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	1.80e-17	.003313	0.00	1.000	-.006494	.006494

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.55
 Prob > F = 0.7352

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.06
 Prob > F = 0.8142

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.30
 Prob > F = 0.8235

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_nounempny.xls
 dir : seeout
 note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity

Linear regression

Number of obs =	12023
F(47, 11974) =	.
Prob > F =	.
R-squared =	0.4933
Root MSE =	1.0545

nstw12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	-.0517383	.0255381	-2.03	0.043	-.1017971	-.0016796
imm4_adj_ny	.0073668	.0252505	0.29	0.770	-.0421282	.0568619
imm6_adj_ny	.0165026	.0200131	0.82	0.410	-.0227264	.0557315
imm7_adj_ny	-.0045998	.0204458	-0.22	0.822	-.0446769	.0354773
imm8_adj_ny	.0019847	.0189512	0.10	0.917	-.0351627	.0391321
male	.039856	.02024	1.97	0.049	.0001823	.0795296
gendermiss_flag	0	(omitted)				
tsd_age	-.0033897	.0022756	-1.49	0.136	-.0078502	.0010708
doage2	.0005538	.0017807	0.31	0.756	-.0029367	.0040442
doage2miss_flag	0	(omitted)				
race_a	.0207793	.0700974	0.30	0.767	-.1166229	.1581815

race_b	.0377553	.0296402	1.27	0.203	-.0203443	.0958549
race_h	.0936843	.0352251	2.66	0.008	.0246373	.1627312
race_i	-.2909719	.2172957	-1.34	0.181	-.7169066	.1349629
race_o	.0193027	.0490953	0.39	0.694	-.0769321	.1155375
race_mis	.0371004	.0592511	0.63	0.531	-.0790415	.1532422
tsd_edu_hs	.082737	.0275269	3.01	0.003	.0287798	.1366942
tsd_edu_mrhs	.0809156	.0321991	2.51	0.012	.0178002	.144031
tsd_edu_mis	.0261736	.0294333	0.89	0.374	-.0315205	.0838676
tsd_mie_exp	.0004176	.0604624	0.01	0.994	-.1180984	.1189337
tsd_mie_mis	-.0075323	.0326523	-0.23	0.818	-.071536	.0564715
tsd_mie_psbl	-.0289004	.0336464	-0.86	0.390	-.0948527	.0370519
tsd_medicare	-.0484129	.0274772	-1.76	0.078	-.1022726	.0054469
tsd_medicare_miss	-.0752182	.0353616	-2.13	0.033	-.1445326	-.0059038
tsd_depend_1	-.008313	.0287169	-0.29	0.772	-.0646027	.0479767
tsd_depend_2	-.0227131	.0243321	-0.93	0.351	-.070408	.0249819
tsd_depend_miss	.0808884	.0481173	1.68	0.093	-.0134294	.1752061
tsd_vrpr	.0877674	.0352134	2.49	0.013	.0187434	.1567914
tsd_vrpr_miss	.1238058	.0272539	4.54	0.000	.0703838	.1772278
pdcgrou2	-.0365904	.0370554	-0.99	0.323	-.1092251	.0360442
pdcgrou3	.0539244	.0344489	1.57	0.118	-.013601	.1214498
pdcgrou4	.065827	.0332149	1.98	0.048	.0007203	.1309336
pdcgrou5	-.0051427	.0408061	-0.13	0.900	-.0851292	.0748439
cohort2000	.0161597	.0470238	0.34	0.731	-.0760146	.1083341
cohort2001	.0040194	.0761853	0.05	0.958	-.1453162	.1533549
cohort2002	-.0486295	.0967081	-0.50	0.615	-.2381931	.1409341
cohort2003	.1784603	.1410316	1.27	0.206	-.0979845	.454905
cohort2004	.4164528	.1855732	2.24	0.025	.0526992	.7802064
award_b4_tsd	.0373903	.0389897	0.96	0.338	-.0390358	.1138164
diaward_tsd	-.0025866	.0031436	-0.82	0.411	-.0087486	.0035753
epeb4twp_flag	-1.388954	.2320369	-5.99	0.000	-1.843784	-.9341239
ldwb4twp_flag	.1487363	.5819499	0.26	0.798	-.9919799	1.289452
ldwb4epe_flag	.9205499	.5993841	1.54	0.125	-.2543401	2.09544
twpb4tsd	1.225412	.1164091	10.53	0.000	.9972316	1.453593
epeb4tsd	1.216693	.2240447	5.43	0.000	.7775292	1.655857
ldwb4tsd	6.472527	.3714018	17.43	0.000	5.74452	7.200535
pial	-.0004129	.0001498	-2.76	0.006	-.0007066	-.0001192
pia_miss	-.5130646	.1464118	-3.50	0.000	-.8000555	-.2260736
ime1	.0001282	.0000461	2.78	0.005	.0000378	.0002185
ime_miss	.29878	.0892591	3.35	0.001	.1238177	.4737423
_cons	.0824231	.1235834	0.67	0.505	-.1598203	.3246665

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

nstwl2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.030484	.022125	1.38	0.168	-.0128847 .0738526

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.030484

nstwl2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	2.43e-17	.022125	0.00	1.000	-.0433687 .0433687

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 1.09
 Prob > F = 0.3660

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 1.90
 Prob > F = 0.1683

(1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
 (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
 (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.70
 Prob > F = 0.5515

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_nounempny.xls
 dir : seeout
 note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.3967
 Root MSE = 2.4863

nstw24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	-.0233265	.0625409	-0.37	0.709	-.1459169	.0992639
imm4_adj_ny	-.0282553	.0592065	-0.48	0.633	-.1443097	.0877992
imm6_adj_ny	.0175205	.0452067	0.39	0.698	-.071092	.106133
imm7_adj_ny	-.0064369	.0481256	-0.13	0.894	-.1007708	.0878971
imm8_adj_ny	-.0116366	.0459348	-0.25	0.800	-.1016761	.078403
male	.1250107	.0474758	2.63	0.008	.0319506	.2180709
gendermiss_flag	0	(omitted)				
tsd_age	-.014635	.005462	-2.68	0.007	-.0253414	-.0039285
doage2	-.0001619	.0045816	-0.04	0.972	-.0091427	.0088189
doage2miss_flag	0	(omitted)				
race_a	.1057478	.1828125	0.58	0.563	-.2525944	.4640899
race_b	.1340008	.0679647	1.97	0.049	.0007791	.2672226
race_h	.2608952	.0797034	3.27	0.001	.1046636	.4171269
race_i	-.0060422	.6133641	-0.01	0.992	-1.208335	1.196251
race_o	.1701413	.1646421	1.03	0.301	-.1525838	.4928664
race_mis	.1528508	.141844	1.08	0.281	-.1251865	.430888
tsd_edu_hs	.186908	.0639192	2.92	0.003	.061616	.3122
tsd_edu_mrhs	.3082354	.0782556	3.94	0.000	.1548418	.461629
tsd_edu_mis	.1412492	.0698573	2.02	0.043	.0043176	.2781809
tsd_mie_exp	-.0108306	.149696	-0.07	0.942	-.304259	.2825978
tsd_mie_mis	-.0266228	.0772755	-0.34	0.730	-.1780952	.1248497
tsd_mie_psbl	-.1158706	.0787204	-1.47	0.141	-.2701754	.0384342
tsd_medicare	-.1109125	.0658487	-1.68	0.092	-.2399867	.0181617
tsd_medicare_miss	-.3702359	.0987813	-3.75	0.000	-.5638633	-.1766085
tsd_depend_1	-.1324479	.06834	-1.94	0.053	-.2664053	.0015095
tsd_depend_2	-.1388736	.0578681	-2.40	0.016	-.2523044	-.0254427
tsd_depend_miss	.0807277	.1194466	0.68	0.499	-.1534069	.3148624
tsd_vrpr	.3201202	.0902383	3.55	0.000	.1432384	.497002
tsd_vrpr_miss	.3191635	.0715295	4.46	0.000	.1789541	.4593729
pdcgrou2	-.1695989	.089765	-1.89	0.059	-.3455528	.006355
pdcgrou3	.0351342	.0835467	0.42	0.674	-.1286308	.1988992

pdcgrou4	.0990771	.0813325	1.22	0.223	-.0603479	.258502
pdcgrou5	-.1442498	.1041766	-1.38	0.166	-.3484528	.0599532
cohort2000	-.0118865	.1070396	-0.11	0.912	-.2217014	.1979285
cohort2001	-.0612016	.1769089	-0.35	0.729	-.4079717	.2855684
cohort2002	-.2575355	.2345003	-1.10	0.272	-.7171941	.2021231
cohort2003	.0633868	.2974022	0.21	0.831	-.5195697	.6463434
cohort2004	.6187871	.4009232	1.54	0.123	-.1670873	1.404661
award_b4_tsd	.246258	.1180329	2.09	0.037	.0148943	.4776217
diaward_tsd	-.010835	.0075365	-1.44	0.151	-.0256078	.0039378
epeb4twp_flag	-2.538993	.4752239	-5.34	0.000	-3.470508	-1.607477
ldwb4twp_flag	-1.602767	2.854103	-0.56	0.574	-7.197272	3.991737
ldwb4epe_flag	3.209874	1.59079	2.02	0.044	.0916679	6.328079
twpb4tsd	3.620331	.2822679	12.83	0.000	3.06704	4.173621
epeb4tsd	1.905996	.4529843	4.21	0.000	1.018073	2.793919
ldwb4tsd	11.5261	.7450075	15.47	0.000	10.06577	12.98644
pial	-.0007144	.0002983	-2.40	0.017	-.001299	-.0001298
pia_miss	-1.005025	.2880042	-3.49	0.000	-1.56956	-.4404902
ime1	.0002309	.000092	2.51	0.012	.0000506	.0004112
ime_miss	.4269399	.1761469	2.42	0.015	.0816634	.7722164
_cons	.6933102	.3067726	2.26	0.024	.0919861	1.294634

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

nstw24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0521347	.0526113	0.99	0.322	-.050992 .1552614

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0521347

nstw24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	3.47e-17	.0526113	0.00	1.000	-.1031267 .1031267

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.26
 Prob > F = 0.9340

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.98
 Prob > F = 0.3217

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.12
 Prob > F = 0.9459

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_nounempny.xls
 dir : seeout

note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.3261
 Root MSE = 4.2318

nstw36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj_ny	-.0066222	.1074173	-0.06	0.951	-.2171775	.203933
imm4_adj_ny	-.0259008	.1023936	-0.25	0.800	-.2266088	.1748073
imm6_adj_ny	-.0035361	.0770681	-0.05	0.963	-.154602	.1475299
imm7_adj_ny	-.0305691	.0806265	-0.38	0.705	-.1886102	.127472
imm8_adj_ny	.0020027	.0797345	0.03	0.980	-.1542899	.1582953
male	.2016154	.0809586	2.49	0.013	.0429234	.3603074
gendermiss_flag	0	(omitted)				
tsd_age	-.0368008	.009163	-4.02	0.000	-.0547618	-.0188397
doage2	-.0005349	.0078714	-0.07	0.946	-.0159642	.0148944
doage2miss_flag	0	(omitted)				
race_a	.2022127	.313047	0.65	0.518	-.4114102	.8158355
race_b	.3282964	.1129798	2.91	0.004	.1068376	.5497551
race_h	.489625	.142863	3.43	0.001	.2095905	.7696596
race_i	.5714307	1.112324	0.51	0.607	-1.608905	2.751767
race_o	.3077424	.301963	1.02	0.308	-.2841539	.8996388
race_mis	.4299854	.2439901	1.76	0.078	-.0482748	.9082457
tsd_edu_hs	.3662381	.1072921	3.41	0.001	.1559283	.5765479
tsd_edu_mrhs	.7109843	.1343588	5.29	0.000	.4476193	.9743493
tsd_edu_mis	.3308214	.1170717	2.83	0.005	.101342	.5603009
tsd_mie_exp	-.0904381	.2536872	-0.36	0.721	-.5877061	.4068299
tsd_mie_mis	-.0641347	.1314526	-0.49	0.626	-.321803	.1935337
tsd_mie_psbl	-.2304678	.1316944	-1.75	0.080	-.4886102	.0276746
tsd_medicare	-.1878817	.1112509	-1.69	0.091	-.4059516	.0301882
tsd_medicare_miss	-.8247189	.1701385	-4.85	0.000	-1.158218	-.4912198
tsd_depend_1	-.2880695	.116427	-2.47	0.013	-.5162852	-.0598538
tsd_depend_2	-.2857281	.0987268	-2.89	0.004	-.4792486	-.0922076
tsd_depend_miss	.0289218	.2082757	0.14	0.890	-.3793324	.437176
tsd_vrpr	.6141749	.1576086	3.90	0.000	.3052365	.9231134
tsd_vrpr_miss	.4891449	.1258432	3.89	0.000	.2424719	.735818
pdcgrou2	-.3369999	.1508524	-2.23	0.026	-.6326952	-.0413047
pdcgrou3	.0456029	.1434406	0.32	0.751	-.235564	.3267698
pdcgrou4	.1258997	.1371223	0.92	0.359	-.1428823	.3946817
pdcgrou5	-.3866589	.2079554	-1.86	0.063	-.7942851	.0209673
cohort2000	-.1319241	.1776508	-0.74	0.458	-.4801485	.2163003
cohort2001	-.326422	.2991157	-1.09	0.275	-.9127373	.2598932
cohort2002	-.6281347	.4147644	-1.51	0.130	-1.44114	.1848707
cohort2003	-.3219783	.49948	-0.64	0.519	-1.30104	.6570835
cohort2004	.265351	.5758973	0.46	0.645	-.863501	1.394203
award_b4_tsd	.5036156	.2474953	2.03	0.042	.0184848	.9887465
diaward_tsd	-.0286136	.0129759	-2.21	0.027	-.0540485	-.0031787
epeb4twp_flag	-3.898964	.7350014	-5.30	0.000	-5.339686	-2.458242
ldwb4twp_flag	1.145865	6.680008	0.17	0.864	-11.94803	14.23976
ldwb4epe_flag	7.015801	2.632466	2.67	0.008	1.855742	12.17586
twpb4tsd	5.985263	.4566724	13.11	0.000	5.090111	6.880415
epeb4tsd	2.420603	.6976461	3.47	0.001	1.053104	3.788103
ldwb4tsd	15.85598	1.144612	13.85	0.000	13.61235	18.0996
pial	-.0007889	.0004432	-1.78	0.075	-.0016576	.0000799
pia_miss	-1.320267	.4126097	-3.20	0.001	-2.129049	-.5114854
ime1	.0002659	.0001363	1.95	0.051	-1.33e-06	.0005332
ime_miss	.3003876	.2559614	1.17	0.241	-.2013383	.8021135

```

      _cons |    1.998883    .518426    3.86    0.000    .9826844    3.015082
-----+-----

```

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

```

-----+-----
      nstw36 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-----+-----
      (1) |   .0646255   .0886252     0.73   0.466    - .1090943    .2383452
-----+-----

```

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0646255

```

-----+-----
      nstw36 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-----+-----
      (1) |  5.55e-17   .0886252     0.00   1.000    - .1737197    .1737197
-----+-----

```

- (1) imm1_adj_ny = 0
- (2) imm4_adj_ny = 0
- (3) imm6_adj_ny = 0
- (4) imm7_adj_ny = 0
- (5) imm8_adj_ny = 0

F(5, 11974) = 0.13
 Prob > F = 0.9866

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0

F(1, 11974) = 0.53
 Prob > F = 0.4659

- (1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
- (2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
- (3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0

F(3, 11974) = 0.03
 Prob > F = 0.9917

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NY_nounempny.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

Linear regression

Number of obs = 12023
 F(47, 11974) = .
 Prob > F = .
 R-squared = 0.2813
 Root MSE = 6.1979

```

-----+-----
      nstw48 |      Coef.   Robust Std. Err.      t    P>|t|     [95% Conf. Interval]
-----+-----
      imm1_adj_ny |   .0234983   .1592294     0.15   0.883    - .2886171    .3356137
      imm4_adj_ny |  - .0174052   .1538842    -0.11   0.910    - .3190431    .2842327
      imm6_adj_ny |  - .0133346   .1130998    -0.12   0.906    - .2350284    .2083593
      imm7_adj_ny |  - .0140813   .1181294    -0.12   0.905    - .2456341    .2174714
      imm8_adj_ny |  - .0174621   .1179341    -0.15   0.882    - .248632    .2137078
      male |   .2839821   .1185252     2.40   0.017     .0516535    .5163106
-----+-----

```

gendermiss_flag	0	(omitted)					
tsd_age	-.0667956	.0133979	-4.99	0.000	-.0930577	-.0405335	
doage2	-.0018531	.011584	-0.16	0.873	-.0245597	.0208535	
doage2miss_flag	0	(omitted)					
race_a	.3797177	.4609662	0.82	0.410	-.5238508	1.283286	
race_b	.5921852	.1638844	3.61	0.000	.2709453	.9134252	
race_h	.6991916	.2119091	3.30	0.001	.2838154	1.114568	
race_i	1.391327	1.698137	0.82	0.413	-1.937297	4.719951	
race_o	.6178647	.4595643	1.34	0.179	-.2829559	1.518685	
race_mis	.7681156	.3602281	2.13	0.033	.0620102	1.474221	
tsd_edu_hs	.5483597	.1578815	3.47	0.001	.2388865	.857833	
tsd_edu_mrhs	1.105164	.1970609	5.61	0.000	.7188928	1.491435	
tsd_edu_mis	.529188	.17117	3.09	0.002	.193667	.864709	
tsd_mie_exp	-.2006428	.360801	-0.56	0.578	-.9078713	.5065857	
tsd_mie_mis	-.0898975	.1910757	-0.47	0.638	-.4644369	.2846419	
tsd_mie_psbl	-.3199781	.1901751	-1.68	0.092	-.6927521	.0527959	
tsd_medicare	-.2289227	.1613129	-1.42	0.156	-.5451221	.0872768	
tsd_medicare_miss	-1.275347	.2568241	-4.97	0.000	-1.778764	-.7719302	
tsd_depend_1	-.4440841	.1710074	-2.60	0.009	-.7792863	-.1088819	
tsd_depend_2	-.4432953	.1456495	-3.04	0.002	-.7287919	-.1577987	
tsd_depend_miss	.0157166	.3103044	0.05	0.960	-.5925303	.6239635	
tsd_vrpr	.982336	.232256	4.23	0.000	.5270766	1.437595	
tsd_vrpr_miss	.6254422	.1853165	3.37	0.001	.2621918	.9886926	
pdcgrou2	-.5808974	.2209401	-2.63	0.009	-1.013976	-.147819	
pdcgrou3	.0461959	.2145384	0.22	0.830	-.3743341	.4667258	
pdcgrou4	.0884051	.2013622	0.44	0.661	-.3062975	.4831077	
pdcgrou5	-.7428893	.3341128	-2.22	0.026	-1.397804	-.0879741	
cohort2000	-.2056784	.2578799	-0.80	0.425	-.7111649	.2998081	
cohort2001	-.5738681	.4382922	-1.31	0.190	-1.432992	.2852557	
cohort2002	-.8284938	.6204054	-1.34	0.182	-2.044589	.3876014	
cohort2003	-.5338724	.7435532	-0.72	0.473	-1.991357	.9236124	
cohort2004	.2056692	.7977667	0.26	0.797	-1.358083	1.769421	
award_b4_tsd	.7098381	.3908661	1.82	0.069	-.0563227	1.475999	
diaward_tsd	-.0431545	.0190745	-2.26	0.024	-.0805436	-.0057654	
epeb4twp_flag	-5.316574	1.005777	-5.29	0.000	-7.288059	-3.345088	
ldwb4twp_flag	.1528866	9.906205	0.02	0.988	-19.26488	19.57065	
ldwb4epe_flag	10.81055	3.378939	3.20	0.001	4.187282	17.43382	
twpb4tsd	8.360326	.6348729	13.17	0.000	7.115872	9.60478	
epeb4tsd	2.747249	.9488088	2.90	0.004	.8874296	4.607068	
ldwb4tsd	20.04032	1.55032	12.93	0.000	17.00144	23.0792	
pial	-.0007229	.0006041	-1.20	0.231	-.0019071	.0004612	
pia_miss	-1.666623	.5473383	-3.04	0.002	-2.739495	-.5937515	
ime1	.0002261	.0001847	1.22	0.221	-.000136	.0005882	
ime_miss	-.0436914	.3419786	-0.13	0.898	-.7140249	.626642	
_cons	3.691881	.7539521	4.90	0.000	2.214012	5.169749	

(1) - imm1_adj_ny - imm4_adj_ny - imm6_adj_ny - imm7_adj_ny - imm8_adj_ny = 0

nstw48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0387849	.1278785	0.30	0.762	-.2118777 .2894476

(1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = -.0387849

nstw48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	3.47e-17	.1278785	0.00	1.000	-.2506627 .2506627

```
( 1) imm1_adj_ny = 0
( 2) imm4_adj_ny = 0
( 3) imm6_adj_ny = 0
( 4) imm7_adj_ny = 0
( 5) imm8_adj_ny = 0
```

```
F( 5, 11974) = 0.03
Prob > F = 0.9996
```

```
( 1) imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny + imm8_adj_ny = 0
```

```
F( 1, 11974) = 0.09
Prob > F = 0.7617
```

```
( 1) - .3333333*imm1_adj_ny + .8333333*imm4_adj_ny - .5*imm6_adj_ny = 0
( 2) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm6_adj_ny - imm7_adj_ny = 0
( 3) - .3333333*imm1_adj_ny + .3333333*imm4_adj_ny + imm7_adj_ny - imm8_adj_ny = 0
```

```
F( 3, 11974) = 0.00
Prob > F = 0.9996
```

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\LPM_PH1NY_nounempny.xls

dir : seeout

```
.
.
.
. foreach covar of local enemplist {
2.
.    foreach v of local depen {
3.        ***phase 1 NO NY
.        regress `v' `phlnony' ``covar'' if phasel_st_nony == 1, vce(cluster
tsd_state)
4.
.        ***estimate last mail month
.        lincom -(imm1_adj + imm3_adj + imm4_adj)
5.
.        local tstat=r(estimate)/r(se)
6.        local estimate = r(estimate)
7.        local se = r(se)
8.
.        ***estimate sum of mail months
.        lincom imm1_adj + imm3_adj + imm4_adj + `estimate'
9.        local estimatel = r(estimate)
10.
.        ***F test
.        test imm1_adj imm3_adj imm4_adj
11.        local joint_F = r(F)
12.        local joint_pvalue = r(p)
13.
.        test (imm1_adj+imm3_adj+imm4_adj)=0
14.        local jointsum_F = r(F)
15.        local jointsum_pvalue = r(p)
16.
.        ***new test
.        test (imm3_adj - imm1_adj)/2 = imm4_adj - imm3_adj
17.        local new_tst_F = r(F)
18.        local new_tst_pvalue = r(p)
19.
.        if "`v'" == "ldwroll12" {
20.            cap erase ``path'\LPM_PH1NONY_`covar'.xls"
```

```

21.             cap erase `"path'\LPM_PH1NONY_`covar'.txt"
22.         }
23.
.         outreg2 using `"path'\LPM_PH1NONY_`covar'.xls", ///
>         keep(imm1_adj imm3_adj imm4_adj) nocons  sideways stats(coef se tstat)
///
>         bdec(4) sdec(3) tdec(2) noparen ///
>         addstat(imm5_adj_ny,`estimate', se,`se',tstat, `tstat', ///
>
joint_F,`joint_F',joint_pvalue,`joint_pvalue',jointsum_F,`jointsum_F',jointsum_pvalue
,`jointsum_pvalue
> ,zero,`estimate1' ///
>         ,new_tst_F, `new_tst_F',new_tst_pvalue, `new_tst_pvalue')
24.     } /* close loop for events */
25.
.
.         foreach v of local depen {
26.             ***phase 2
.             regress `v' `phase2' ``covar'' if phase2_st == 1, vce(cluster tsd_state)
27.
.             ***estimate last mail month
.             lincom -
(imm10_adj+imm12_adj+imm13_adj+imm14_adj+imm15_adj+imm16_adj+imm17_adj+imm18_adj+imm1
9_adj)
28.
.             local tstat=r(estimate)/r(se)
29.             local estimate = r(estimate)
30.             local se = r(se)
31.
.             ***estimate sum of mail months
.             lincom
imm10_adj+imm12_adj+imm13_adj+imm14_adj+imm15_adj+imm16_adj+imm17_adj+imm18_adj+imm19
_adj + `estimate'
32.             local estimate1 = r(estimate)
33.
.             ***F test
.             test imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj imm16_adj
imm17_adj imm18_adj imm19_adj
34.             local joint_F = r(F)
35.             local joint_pvalue = r(p)
36.
.             test
(imm10_adj+imm12_adj+imm13_adj+imm14_adj+imm15_adj+imm16_adj+imm17_adj+imm18_adj+imm1
9_adj)=0
37.             local jointsum_F = r(F)
38.             local jointsum_pvalue = r(p)
39.
.             ***new test
.             test (imm12_adj - imm10_adj)/2 = imm13_adj-imm12_adj=imm14_adj-imm13_adj=
///
>             imm15_adj-imm14_adj=imm16_adj-imm15_adj=imm17_adj-imm16_adj=imm18_adj-
imm17_adj=imm19_adj-imm18_adj
40.             local new_tst_F = r(F)
41.             local new_tst_pvalue = r(p)
42.
.             if "`v'" == "ldwroll12" {
43.                 cap erase `"path'\LPM_PH2_`covar'.xls"
44.                 cap erase `"path'\LPM_PH2_`covar'.txt"
45.             }
46.
.             outreg2 using `"path'\LPM_PH2_`covar'.xls", ///
>             keep(imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj imm16_adj
imm17_adj imm18_adj imm19_adj) ///

```



```

>         nocons   sideway stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen ///
>         addstat(imm20_adj_ny,`estimate', se,`se',tstat, `tstat', ///
>
> joint_F,`joint_F',joint_pvalue,`joint_pvalue',jointsum_F,`jointsum_F',jointsum_pvalue
,`jointsum_pvalue
> ',zero,`estimate1' ///
>         ,new_tst_F, `new_tst_F',new_tst_pvalue, `new_tst_pvalue')
47.         } /* close loop for events */
48.
.
.         foreach v of local depen {
49.             ***phase 3
.             regress `v' `phase3' ``covar'' if phase3_st == 1, vce(cluster tsd_state)
50.
.             ***estimate last mail month
.             lincom -
(imm21_adj+imm23_adj+imm24_adj+imm25_adj+imm26_adj+imm27_adj+imm28_adj+imm29_adj+imm3
0_adj)
51.
.             local tstat=r(estimate)/r(se)
52.             local estimate = r(estimate)
53.             local se = r(se)
54.
.             ***estimate sum of mail months
.             lincom
imm21_adj+imm23_adj+imm24_adj+imm25_adj+imm26_adj+imm27_adj+imm28_adj+imm29_adj+imm30
_adj + `estimate'
55.             local estimate1 = r(estimate)
56.
.
.             test imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj imm27_adj
imm28_adj imm29_adj imm30_adj
57.             local joint_F = r(F)
58.             local joint_pvalue = r(p)
59.
.             test
(imm21_adj+imm23_adj+imm24_adj+imm25_adj+imm26_adj+imm27_adj+imm28_adj+imm29_adj+imm3
0_adj)=0
60.             local jointsum_F = r(F)
61.             local jointsum_pvalue = r(p)
62.
.             ***new test
.             test (imm23_adj - imm21_adj)/2 = imm24_adj-imm23_adj=imm25_adj-imm24_adj ///
>             =imm26_adj-imm25_adj=imm27_adj-imm26_adj=imm28_adj-
imm27_adj=imm29_adj-imm28_adj=imm30_adj-imm29_adj
63.             local new_tst_F = r(F)
64.             local new_tst_pvalue = r(p)
65.
.             if "`v'" == "ldwroll12" {
66.                 cap erase ``path'\LPM_PH3_`covar'.xls"
67.                 cap erase ``path'\LPM_PH3_`covar'.txt"
68.             }
69.
.             outreg2 using ``path'\LPM_PH3_`covar'.xls", ///
>             keep(imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj imm27_adj
imm28_adj imm29_adj imm30_adj) ///
>             nocons   sideway stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen ///
>             addstat(imm31_adj_ny,`estimate', se,`se',tstat, `tstat', ///
>
> joint_F,`joint_F',joint_pvalue,`joint_pvalue',jointsum_F,`jointsum_F',jointsum_pvalue
,`jointsum_pvalue
> ',zero,`estimate1' ///
>         ,new_tst_F, `new_tst_F',new_tst_pvalue, `new_tst_pvalue')

```

```
70.      } /* close loop for events */
71.      *
```

```
. } /* close unemployment loop */
note: st_ND omitted because of collinearity
note: st_NY omitted because of collinearity
```

Linear regression

```
Number of obs = 43043
F( 46, 49) = .
Prob > F = .
R-squared = 0.1206
Root MSE = .14389
```

(Std. Err. adjusted for 50 clusters in tsd_state)

ldwroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0012378	.0019135	0.65	0.521	-.0026075	.005083
imm3_adj	-.0005359	.0011041	-0.49	0.630	-.0027548	.0016829
imm4_adj	-.0015531	.001469	-1.06	0.296	-.0045051	.0013989
male	.0016887	.001126	1.50	0.140	-.000574	.0039514
gendermiss_flag	-.0115736	.0028278	-4.09	0.000	-.0172562	-.0058909
tsd_age	-.0008003	.0001479	-5.41	0.000	-.0010975	-.000503
doage2	-.0000892	.0001351	-0.66	0.512	-.0003607	.0001824
doage2miss_flag	.0009898	.0064056	0.15	0.878	-.0118827	.0138622
race_a	.0024611	.0041571	0.59	0.557	-.0058928	.0108151
race_b	.0092933	.0040605	2.29	0.026	.0011334	.0174531
race_h	-.0001226	.0016473	-0.07	0.941	-.0034329	.0031877
race_i	-.004255	.0051135	-0.83	0.409	-.0145309	.0060209
race_o	.0032485	.0065161	0.50	0.620	-.0098462	.0163431
race_mis	-.0021161	.0040297	-0.53	0.602	-.0102141	.0059819
tsd_edu_hs	.0022873	.0012456	1.84	0.072	-.0002157	.0047903
tsd_edu_mrhs	.0085631	.0017258	4.96	0.000	.0050949	.0120313
tsd_edu_mis	.0058485	.0018423	3.17	0.003	.0021462	.0095508
tsd_mie_exp	.0063896	.0041571	1.54	0.131	-.0019644	.0147436
tsd_mie_mis	.0016563	.0024224	0.68	0.497	-.0032118	.0065243
tsd_mie_psbl	-.0010867	.0023671	-0.46	0.648	-.0058435	.00367
tsd_medicare	-.0086906	.0012409	-7.00	0.000	-.0111842	-.0061969
tsd_medicare_miss	-.0082219	.0022097	-3.72	0.001	-.0126625	-.0037813
tsd_depend_1	.0000876	.0015044	0.06	0.954	-.0029356	.0031109
tsd_depend_2	-.0030694	.0023254	-1.32	0.193	-.0077425	.0016036
tsd_depend_miss	.0004097	.0028628	0.14	0.887	-.0053433	.0061627
tsd_vrpr	.0098384	.0025511	3.86	0.000	.0047118	.0149649
tsd_vrpr_miss	.0114872	.0028034	4.10	0.000	.0058536	.0171208
pdcgrou2	.0000967	.0016519	0.06	0.954	-.003223	.0034164
pdcgrou3	.0036493	.0032794	1.11	0.271	-.0029409	.0102395
pdcgrou4	.0041958	.0019674	2.13	0.038	.0002422	.0081495
pdcgrou5	.0200412	.0257633	0.78	0.440	-.0317322	.0718146
cohort2000	.0029938	.0028723	1.04	0.302	-.0027783	.0087658
cohort2001	.0019415	.0055919	0.35	0.730	-.0092959	.0131789
cohort2002	.0002129	.0055053	0.04	0.969	-.0108504	.0112763
cohort2003	.0024805	.0081891	0.30	0.763	-.0139761	.018937
cohort2004	.0062934	.0077641	0.81	0.422	-.009309	.0218959
award_b4_tsd	-.0048276	.003363	-1.44	0.157	-.0115859	.0019306
diaward_tsd	-.000237	.0001994	-1.19	0.240	-.0006378	.0001638
epeb4twp_flag	-.0353855	.0378004	-0.94	0.354	-.1113482	.0405773
ldwb4twp_flag	.3036555	.0974037	3.12	0.003	.1079155	.4993955
ldwb4epe_flag	.0929303	.0246656	3.77	0.000	.0433629	.1424976
twpb4tsd	.1829149	.0070114	26.09	0.000	.1688251	.1970048
epeb4tsd	.1065464	.0121875	8.74	0.000	.0820546	.1310382
ldwb4tsd	-.1534373	.0083337	-18.41	0.000	-.1701845	-.1366902
st_AL	-.0611804	.0159547	-3.83	0.000	-.0932426	-.0291181

st_AR	.0139231	.0161215	0.86	0.392	-.0184742	.0463204
st_AZ	-.016911	.0096653	-1.75	0.086	-.0363342	.0025122
st_CA	.0449592	.0057774	7.78	0.000	.0333491	.0565694
st_CO	-.0329601	.0147924	-2.23	0.030	-.0626865	-.0032337
st_CT	-.0672172	.0201405	-3.34	0.002	-.107691	-.0267435
st_DC	.3271729	.007196	45.47	0.000	.312712	.3416338
st_DE	-.081282	.0267691	-3.04	0.004	-.1350765	-.0274876
st_FL	-.0235036	.014865	-1.58	0.120	-.0533759	.0063688
st_GA	-.0558784	.0200878	-2.78	0.008	-.0962462	-.0155105
st_HI	-.0833526	.028987	-2.88	0.006	-.141604	-.0251011
st_IA	-.0782102	.0246889	-3.17	0.003	-.1278244	-.028596
st_ID	-.0756612	.0150474	-5.03	0.000	-.1059001	-.0454222
st_IL	.0004427	.0059598	0.07	0.941	-.0115339	.0124194
st_IN	-.0412963	.018188	-2.27	0.028	-.0778463	-.0047462
st_KS	-.0563337	.0162461	-3.47	0.001	-.0889815	-.0236858
st_KY	-.0575648	.0142131	-4.05	0.000	-.086127	-.0290025
st_LA	.0113909	.0130801	0.87	0.388	-.0148945	.0376763
st_MA	-.0351292	.013821	-2.54	0.014	-.0629036	-.0073548
st_MD	-.0508606	.0224174	-2.27	0.028	-.09591	-.0058113
st_ME	.0206131	.0211391	0.98	0.334	-.0218676	.0630938
st_MI	.0099101	.0105802	0.94	0.354	-.0113515	.0311717
st_MN	-.0881027	.0226435	-3.89	0.000	-.1336065	-.0425988
st_MO	-.0099874	.0161376	-0.62	0.539	-.0424171	.0224422
st_MS	-.0225975	.0100364	-2.25	0.029	-.0427664	-.0024285
st_MT	-.063732	.0222759	-2.86	0.006	-.1084971	-.0189669
st_NC	-.033228	.0102213	-3.25	0.002	-.0537685	-.0126875
st_ND	0	(omitted)				
st_NE	-.1319924	.0277697	-4.75	0.000	-.1877977	-.0761871
st_NH	-.1106838	.0196877	-5.62	0.000	-.1502477	-.0711199
st_NJ	-.0376758	.0120248	-3.13	0.003	-.0618405	-.0135111
st_NM	-.0565953	.013321	-4.25	0.000	-.0833649	-.0298257
st_NV	-.0212395	.0156218	-1.36	0.180	-.0526327	.0101537
st_NY	0	(omitted)				
st_OH	-.0485027	.0120962	-4.01	0.000	-.0728108	-.0241945
st_OK	-.0569419	.0192726	-2.95	0.005	-.0956717	-.0182121
st_OR	.0195481	.0049532	3.95	0.000	.0095942	.0295019
st_PA	-.0265316	.0138974	-1.91	0.062	-.0544595	.0013963
st_PR	.1428437	.0363781	3.93	0.000	.0697392	.2159482
st_RI	.0836957	.0159555	5.25	0.000	.0516319	.1157595
st_SC	-.0257045	.0120894	-2.13	0.039	-.0499992	-.0014099
st_SD	-.154376	.0318421	-4.85	0.000	-.218365	-.090387
st_TN	-.0260149	.0197815	-1.32	0.195	-.0657672	.0137374
st_TX	.0033092	.0072934	0.45	0.652	-.0113475	.0179659
st_UT	-.0526653	.0118862	-4.43	0.000	-.0765515	-.0287791
st_VA	-.027787	.0241834	-1.15	0.256	-.0763853	.0208113
st_VT	-.0774746	.0237271	-3.27	0.002	-.125156	-.0297932
st_WA	.0879987	.005403	16.29	0.000	.0771411	.0988564
st_WI	-.0362244	.0168637	-2.15	0.037	-.0701132	-.0023356
st_WV	-.0236103	.0098685	-2.39	0.021	-.0434417	-.0037789
st_WY	-.0891806	.0256885	-3.47	0.001	-.1408037	-.0375576
tsd_unemp_mean	-.0282859	.0072385	-3.91	0.000	-.0428322	-.0137396
tsd_unemp_cng	.0048678	.0089663	0.54	0.590	-.0131506	.0228862
pia1	-.00002	6.64e-06	-3.01	0.004	-.0000333	-6.63e-06
pia_miss	-.0338854	.0066482	-5.10	0.000	-.0472454	-.0205253
ime1	8.38e-06	2.40e-06	3.50	0.001	3.56e-06	.0000132
ime_miss	.0103502	.0034719	2.98	0.004	.0033731	.0173273
_cons	.2213119	.0527745	4.19	0.000	.1152576	.3273662

(1) - imm1_adj - imm3_adj - imm4_adj = 0

ldwroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
-----------	-------	-----------	---	------	----------------------

(1)		.0008513	.0011517	0.74	0.463	-.0014631	.0031657
-----	--	----------	----------	------	-------	-----------	----------

(1) imm1_adj + imm3_adj + imm4_adj = -.0008513

		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)		-1.70e-17	.0011517	-0.00	1.000	-.0023144	.0023144

(1) imm1_adj = 0
 (2) imm3_adj = 0
 (3) imm4_adj = 0

F(3, 49) = 0.66
 Prob > F = 0.5824

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 49) = 0.55
 Prob > F = 0.4633

(1) -.5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 49) = 0.00
 Prob > F = 0.9586

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs =	43043
F(46, 49) =	.
Prob > F =	.
R-squared =	0.1156
Root MSE =	.19585

(Std. Err. adjusted for 50 clusters in tsd_state)

ldwroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0015038	.003406	0.44	0.661	-.0053408	.0083484
imm3_adj	-.0003564	.0010793	-0.33	0.743	-.0025252	.0018125
imm4_adj	.0001192	.0026833	0.04	0.965	-.0052732	.0055115
male	.0020882	.0020398	1.02	0.311	-.002011	.0061874
gendermiss_flag	-.016315	.0042318	-3.86	0.000	-.0248191	-.007811
tsd_age	-.0017338	.0001593	-10.88	0.000	-.002054	-.0014136
doage2	-.0000425	.0001513	-0.28	0.780	-.0003465	.0002615
doage2miss_flag	-.0124174	.010852	-1.14	0.258	-.0342253	.0093904
race_a	.0082538	.0054436	1.52	0.136	-.0026856	.0191932
race_b	.0146693	.0048676	3.01	0.004	.0048875	.0244511
race_h	.0074568	.0040212	1.85	0.070	-.0006241	.0155377
race_i	.000162	.006766	0.02	0.981	-.0134348	.0137588
race_o	-.0078987	.0085376	-0.93	0.359	-.0250557	.0092582
race_mis	.0088871	.0076535	1.16	0.251	-.0064932	.0242674
tsd_edu_hs	.0021881	.001698	1.29	0.204	-.0012242	.0056003
tsd_edu_mrhs	.0190257	.0028161	6.76	0.000	.0133665	.0246849
tsd_edu_mis	.0112715	.0023715	4.75	0.000	.0065058	.0160373

tsd_mie_exp	.0078475	.0056992	1.38	0.175	-.0036054	.0193005
tsd_mie_mis	-.002326	.0039649	-0.59	0.560	-.0102937	.0056417
tsd_mie_psbl	-.0014559	.0033534	-0.43	0.666	-.0081948	.005283
tsd_medicare	-.0112275	.0016822	-6.67	0.000	-.014608	-.0078469
tsd_medicare_miss	-.0279753	.0032839	-8.52	0.000	-.0345745	-.0213762
tsd_depend_1	-.008637	.0018212	-4.74	0.000	-.0122969	-.0049772
tsd_depend_2	-.0081193	.0026647	-3.05	0.004	-.0134742	-.0027644
tsd_depend_miss	-.0090991	.0054102	-1.68	0.099	-.0199712	.0017731
tsd_vrpr	.0155264	.0038827	4.00	0.000	.0077239	.0233289
tsd_vrpr_miss	.0114302	.0042969	2.66	0.011	.0027952	.0200652
pdcgrou2	-.0084869	.0021293	-3.99	0.000	-.0127659	-.004208
pdcgrou3	.0042864	.0031658	1.35	0.182	-.0020754	.0106483
pdcgrou4	.0042113	.0021302	1.98	0.054	-.0000695	.0084921
pdcgrou5	.0119712	.0260321	0.46	0.648	-.0403423	.0642847
cohort2000	-.0025369	.0031149	-0.81	0.419	-.0087965	.0037227
cohort2001	-.0084994	.0068977	-1.23	0.224	-.0223608	.005362
cohort2002	-.0062317	.0106498	-0.59	0.561	-.0276333	.01517
cohort2003	.0092061	.0106021	0.87	0.389	-.0120997	.0305119
cohort2004	-.0117924	.0137111	-0.86	0.394	-.0393458	.015761
award_b4_tsd	.0052038	.0066831	0.78	0.440	-.0082264	.018634
diaward_tsd	-.0009482	.000286	-3.32	0.002	-.001523	-.0003734
epeb4twp_flag	-.0379212	.042022	-0.90	0.371	-.1223675	.0465251
ldwb4twp_flag	.2723741	.1098681	2.48	0.017	.0515858	.4931623
ldwb4epe_flag	.3285188	.0445648	7.37	0.000	.2389625	.4180751
twpb4tsd	.2401151	.0106271	22.59	0.000	.2187591	.2614711
epeb4tsd	.1025952	.0101458	10.11	0.000	.0822065	.1229839
ldwb4tsd	-.19527	.0085171	-22.93	0.000	-.2123857	-.1781544
st_AL	-.0717209	.0261862	-2.74	0.009	-.1243439	-.0190978
st_AR	-.0405957	.0257651	-1.58	0.122	-.0923725	.0111812
st_AZ	-.0327757	.0152125	-2.15	0.036	-.0633464	-.002205
st_CA	.0469114	.0090787	5.17	0.000	.0286671	.0651558
st_CO	-.0645276	.0238285	-2.71	0.009	-.1124127	-.0166424
st_CT	-.093703	.0293501	-3.19	0.002	-.1526844	-.0347217
st_DC	.2953341	.0114158	25.87	0.000	.2723933	.3182749
st_DE	-.1531239	.0423309	-3.62	0.001	-.2381909	-.0680569
st_FL	-.0574165	.0243622	-2.36	0.022	-.1063742	-.0084588
st_GA	-.1144374	.0318209	-3.60	0.001	-.1783838	-.0504909
st_HI	-.1861758	.0478987	-3.89	0.000	-.2824318	-.0899198
st_IA	-.1588457	.0384018	-4.14	0.000	-.2360171	-.0816744
st_ID	-.1365228	.023647	-5.77	0.000	-.1840433	-.0890023
st_IL	.0004279	.0093594	0.05	0.964	-.0183806	.0192363
st_IN	-.0383233	.0294012	-1.30	0.199	-.0974073	.0207607
st_KS	-.1147086	.025814	-4.44	0.000	-.1665839	-.0628334
st_KY	-.1095333	.0231463	-4.73	0.000	-.1560476	-.0630189
st_LA	.0515912	.0213124	2.42	0.019	.0087624	.09442
st_MA	-.0603158	.0212405	-2.84	0.007	-.1030002	-.0176313
st_MD	-.1449376	.0353953	-4.09	0.000	-.216067	-.0738081
st_ME	-.0592051	.0328025	-1.80	0.077	-.1251241	.006714
st_MI	-.0317361	.0169544	-1.87	0.067	-.0658072	.002335
st_MN	-.1387481	.0365998	-3.79	0.000	-.2122981	-.065198
st_MO	-.0780942	.0255772	-3.05	0.004	-.1294936	-.0266948
st_MS	-.0580928	.0167111	-3.48	0.001	-.0916749	-.0245106
st_MT	-.1683634	.0348327	-4.83	0.000	-.2383624	-.0983644
st_NC	-.0676834	.0164601	-4.11	0.000	-.1007611	-.0346057
st_ND	0	(omitted)				
st_NE	-.1847361	.0432543	-4.27	0.000	-.2716588	-.0978133
st_NH	-.1295498	.0304602	-4.25	0.000	-.1907619	-.0683377
st_NJ	-.06663	.0194772	-3.42	0.001	-.1057709	-.0274891
st_NM	-.109748	.0200924	-5.46	0.000	-.1501252	-.0693709
st_NV	-.0821066	.0259959	-3.16	0.003	-.1343474	-.0298658
st_NY	0	(omitted)				
st_OH	-.0664304	.0193262	-3.44	0.001	-.105268	-.0275929
st_OK	-.1162563	.0304824	-3.81	0.000	-.1775129	-.0549996

st_OR	.0272175	.0062152	4.38	0.000	.0147275	.0397074
st_PA	-.0827882	.0221908	-3.73	0.000	-.1273823	-.038194
st_PR	.2777326	.0554351	5.01	0.000	.1663316	.3891336
st_RI	.0177305	.0239681	0.74	0.463	-.0304352	.0658961
st_SC	-.0592735	.0196921	-3.01	0.004	-.0988462	-.0197008
st_SD	-.1376443	.0509156	-2.70	0.009	-.2399631	-.0353254
st_TN	-.099597	.0323824	-3.08	0.003	-.1646719	-.0345222
st_TX	-.027138	.0117622	-2.31	0.025	-.0507751	-.003501
st_UT	-.104767	.0191405	-5.47	0.000	-.1432312	-.0663028
st_VA	-.0819407	.0384296	-2.13	0.038	-.1591679	-.0047135
st_VT	-.1523617	.0365267	-4.17	0.000	-.2257648	-.0789586
st_WA	.0743162	.0069677	10.67	0.000	.060314	.0883183
st_WI	-.0834938	.0270823	-3.08	0.003	-.1379177	-.0290698
st_WV	-.0586073	.0155937	-3.76	0.000	-.0899439	-.0272706
st_WY	-.1954556	.0398817	-4.90	0.000	-.2756009	-.1153103
tsd_unemp_mean	-.0557728	.0111315	-5.01	0.000	-.0781423	-.0334032
tsd_unemp_cng	-.0149199	.0154006	-0.97	0.337	-.0458686	.0160288
pial	-.0000209	9.82e-06	-2.13	0.038	-.0000407	-1.22e-06
pia_miss	-.0373672	.0088631	-4.22	0.000	-.0551782	-.0195562
ime1	8.40e-06	3.62e-06	2.32	0.025	1.12e-06	.0000157
ime_miss	.000226	.0052018	0.04	0.966	-.0102275	.0106795
_cons	.4763785	.0819611	5.81	0.000	.3116716	.6410854

(1) - imm1_adj - imm3_adj - imm4_adj = 0

ldwroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-.0012666	.001636	-0.77	0.443	-.0045542	.0020211

(1) imm1_adj + imm3_adj + imm4_adj = .0012666

ldwroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	4.49e-17	.001636	0.00	1.000	-.0032877	.0032877

(1) imm1_adj = 0
(2) imm3_adj = 0
(3) imm4_adj = 0

F(3, 49) = 0.39
Prob > F = 0.7581

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 49) = 0.60
Prob > F = 0.4425

(1) - .5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 49) = 0.49
Prob > F = 0.4881

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH1NONY_unemp.xls
dir : seeout
note: st_ND omitted because of collinearity
note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
 F(46, 49) = .
 Prob > F = .
 R-squared = 0.1124
 Root MSE = .23207

(Std. Err. adjusted for 50 clusters in tsd_state)

ldwroll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0063252	.004954	1.28	0.208	-.0036301	.0162806
imm3_adj	-.0019998	.0016912	-1.18	0.243	-.0053983	.0013987
imm4_adj	-.0011507	.0036159	-0.32	0.752	-.0084173	.0061158
male	.0035873	.0025788	1.39	0.171	-.0015951	.0087696
gendermiss_flag	-.0269837	.0038031	-7.10	0.000	-.0346263	-.0193411
tsd_age	-.0025585	.0002007	-12.75	0.000	-.0029618	-.0021553
doage2	-.0001264	.0001508	-0.84	0.406	-.0004295	.0001766
doage2miss_flag	-.030971	.0176329	-1.76	0.085	-.0664057	.0044636
race_a	.0016349	.0076675	0.21	0.832	-.0137735	.0170434
race_b	.0217679	.0039893	5.46	0.000	.0137511	.0297846
race_h	.0131482	.0061881	2.12	0.039	.0007127	.0255837
race_i	.0037303	.0129628	0.29	0.775	-.0223194	.02978
race_o	-.0133937	.0075432	-1.78	0.082	-.0285522	.0017648
race_mis	.0074351	.0083282	0.89	0.376	-.009301	.0241712
tsd_edu_hs	.0055293	.0024265	2.28	0.027	.000653	.0104055
tsd_edu_mrhs	.0302841	.0038428	7.88	0.000	.0225618	.0380064
tsd_edu_mis	.0172732	.0032847	5.26	0.000	.0106725	.023874
tsd_mie_exp	.0046249	.005745	0.81	0.425	-.0069201	.01617
tsd_mie_mis	-.0039884	.0046698	-0.85	0.397	-.0133727	.0053959
tsd_mie_psbl	-.0056539	.0036039	-1.57	0.123	-.0128962	.0015884
tsd_medicare	-.0140016	.0019624	-7.14	0.000	-.0179451	-.010058
tsd_medicare_miss	-.0398583	.0029328	-13.59	0.000	-.0457521	-.0339645
tsd_depend_1	-.0118763	.0025914	-4.58	0.000	-.017084	-.0066686
tsd_depend_2	-.0080517	.0018983	-4.24	0.000	-.0118665	-.0042369
tsd_depend_miss	-.0154057	.0082214	-1.87	0.067	-.0319273	.0011158
tsd_vrpr	.0124793	.0056453	2.21	0.032	.0011346	.0238239
tsd_vrpr_miss	-.003211	.0060213	-0.53	0.596	-.0153111	.0088892
pdcgrou2	-.0148838	.0026894	-5.53	0.000	-.0202884	-.0094793
pdcgrou3	.0014223	.0033057	0.43	0.669	-.0052206	.0080653
pdcgrou4	.0009388	.0030564	0.31	0.760	-.0052033	.0070809
pdcgrou5	.0010683	.0266937	0.04	0.968	-.0525746	.0547112
cohort2000	.0000497	.002795	0.02	0.986	-.0055671	.0056666
cohort2001	-.0026187	.0070049	-0.37	0.710	-.0166955	.0114581
cohort2002	-.000357	.0086444	-0.04	0.967	-.0177286	.0170146
cohort2003	.0426607	.011935	3.57	0.001	.0186765	.0666449
cohort2004	.0199118	.0131838	1.51	0.137	-.006582	.0464056
award_b4_tsd	.0154695	.0089811	1.72	0.091	-.0025787	.0335177
diaward_tsd	-.0009653	.0003373	-2.86	0.006	-.0016431	-.0002876
epeb4twp_flag	-.0442252	.0438858	-1.01	0.319	-.132417	.0439665
ldwb4twp_flag	.2500842	.1136383	2.20	0.032	.0217196	.4784489
ldwb4epe_flag	.4371941	.0532284	8.21	0.000	.3302277	.5441606
twpb4tsd	.2694496	.0136488	19.74	0.000	.2420213	.296878
epeb4tsd	.0936882	.0095809	9.78	0.000	.0744347	.1129416
ldwb4tsd	-.221312	.0079038	-28.00	0.000	-.2371953	-.2054286
st_AL	-.1651998	.0306555	-5.39	0.000	-.2268042	-.1035953
st_AR	-.1315613	.0308517	-4.26	0.000	-.1935602	-.0695625
st_AZ	-.1117703	.0181653	-6.15	0.000	-.1482749	-.0752657
st_CA	-.0367746	.0103902	-3.54	0.001	-.0576544	-.0158948
st_CO	-.1455187	.0279849	-5.20	0.000	-.2017564	-.089281
st_CT	-.1646272	.0395774	-4.16	0.000	-.2441609	-.0850934
st_DC	.1674262	.0120866	13.85	0.000	.1431372	.1917152
st_DE	-.1927828	.0509657	-3.78	0.000	-.2952022	-.0903633

st_FL	-.1407011	.0279086	-5.04	0.000	-.1967856	-.0846166
st_GA	-.1813671	.0376327	-4.82	0.000	-.2569927	-.1057414
st_HI	-.2628939	.0543993	-4.83	0.000	-.3722133	-.1535745
st_IA	-.2033181	.0474269	-4.29	0.000	-.2986259	-.1080102
st_ID	-.2323278	.0284124	-8.18	0.000	-.2894247	-.1752309
st_IL	-.0957731	.0108462	-8.83	0.000	-.1175693	-.0739769
st_IN	-.0953319	.0348835	-2.73	0.009	-.1654329	-.0252308
st_KS	-.2005822	.0313734	-6.39	0.000	-.2636293	-.137535
st_KY	-.152701	.0269567	-5.66	0.000	-.2068725	-.0985295
st_LA	-.0518149	.0253031	-2.05	0.046	-.1026634	-.0009664
st_MA	-.1288853	.0266059	-4.84	0.000	-.1823519	-.0754187
st_MD	-.1701105	.0421539	-4.04	0.000	-.2548219	-.0853991
st_ME	-.0234423	.0403741	-0.58	0.564	-.104577	.0576925
st_MI	-.1206767	.0192325	-6.27	0.000	-.1593258	-.0820277
st_MN	-.1859318	.0430755	-4.32	0.000	-.2724952	-.0993684
st_MO	-.1755222	.030661	-5.72	0.000	-.2371377	-.1139066
st_MS	.0453867	.0189691	2.39	0.021	.0072668	.0835066
st_MT	-.2648188	.0436682	-6.06	0.000	-.3525733	-.1770643
st_NC	-.1637962	.0183893	-8.91	0.000	-.200751	-.1268415
st_ND	0	(omitted)				
st_NE	-.2466941	.05147	-4.79	0.000	-.350127	-.1432612
st_NH	-.1479859	.038153	-3.88	0.000	-.2246572	-.0713146
st_NJ	-.1105918	.0234509	-4.72	0.000	-.1577181	-.0634654
st_NM	-.2026834	.0245921	-8.24	0.000	-.252103	-.1532638
st_NV	-.158824	.0290393	-5.47	0.000	-.2171808	-.1004673
st_NY	0	(omitted)				
st_OH	-.1373582	.0232164	-5.92	0.000	-.1840133	-.090703
st_OK	-.1792202	.0368462	-4.86	0.000	-.2532653	-.105175
st_OR	-.0873842	.0091028	-9.60	0.000	-.105677	-.0690914
st_PA	-.1422957	.0266169	-5.35	0.000	-.1957845	-.088807
st_PR	.0459364	.0699965	0.66	0.515	-.0947269	.1865997
st_RI	-.0724543	.0305381	-2.37	0.022	-.1338229	-.0110858
st_SC	-.151098	.0230363	-6.56	0.000	-.1973912	-.1048048
st_SD	-.0524437	.0628159	-0.83	0.408	-.1786771	.0737896
st_TN	-.1146591	.0368008	-3.12	0.003	-.1886131	-.0407051
st_TX	-.1402191	.0142529	-9.84	0.000	-.1688613	-.1115769
st_UT	-.2115321	.0224862	-9.41	0.000	-.2567198	-.1663443
st_VA	-.1184827	.0465061	-2.55	0.014	-.2119403	-.0250252
st_VT	-.1927358	.0457702	-4.21	0.000	-.2847145	-.1007572
st_WA	-.0295622	.0089788	-3.29	0.002	-.0476057	-.0115187
st_WI	-.1645563	.0317028	-5.19	0.000	-.2282654	-.1008472
st_WV	-.1570274	.019399	-8.09	0.000	-.1960111	-.1180437
st_WY	-.2689626	.0475835	-5.65	0.000	-.3645852	-.17334
tsd_unemp_mean	-.0371111	.0141122	-2.63	0.011	-.0654707	-.0087514
tsd_unemp_cng	-.0237903	.0169956	-1.40	0.168	-.0579443	.0103636
pial	-.0000206	8.99e-06	-2.30	0.026	-.0000387	-2.57e-06
pia_miss	-.0457854	.0098879	-4.63	0.000	-.0656559	-.0259149
ime1	8.45e-06	3.61e-06	2.34	0.023	1.20e-06	.0000157
ime_miss	-.0094434	.0059839	-1.58	0.121	-.0214686	.0025818
_cons	.510111	.1019103	5.01	0.000	.3053146	.7149073

(1) - imm1_adj - imm3_adj - imm4_adj = 0

ldwroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-.0031747	.0022538	-1.41	0.165	-.0077039	.0013546

(1) imm1_adj + imm3_adj + imm4_adj = .0031747

ldwroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-6.94e-18	.0022538	-0.00	1.000	-.0045292	.0045292

- (1) imm1_adj = 0
- (2) imm3_adj = 0
- (3) imm4_adj = 0

F(3, 49) = 0.88
 Prob > F = 0.4585

- (1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 49) = 1.98
 Prob > F = 0.1653

- (1) -.5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 49) = 1.39
 Prob > F = 0.2436

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
 F(47, 49) = .
 Prob > F = .
 R-squared = 0.1134
 Root MSE = .25613

(Std. Err. adjusted for 50 clusters in tsd_state)

ldwroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0073468	.0048649	1.51	0.137	-.0024296	.0171233
imm3_adj	-.0028304	.0015854	-1.79	0.080	-.0060164	.0003556
imm4_adj	-.0004878	.003948	-0.12	0.902	-.0084216	.007446
male	.0057044	.0030572	1.87	0.068	-.0004393	.0118481
gendermiss_flag	-.0358279	.0050011	-7.16	0.000	-.045878	-.0257779
tsd_age	-.0032735	.0002372	-13.80	0.000	-.0037501	-.0027968
doage2	-.0002462	.0001753	-1.40	0.167	-.0005985	.0001062
doage2miss_flag	.2892861	.2520491	1.15	0.257	-.2172255	.7957976
race_a	.0047715	.0101368	0.47	0.640	-.0155992	.0251423
race_b	.0261793	.004561	5.74	0.000	.0170137	.035345
race_h	.0139069	.0068839	2.02	0.049	.0000732	.0277406
race_i	.0100602	.0176621	0.57	0.572	-.0254332	.0455536
race_o	-.0124714	.007374	-1.69	0.097	-.0272901	.0023473
race_mis	.0102586	.0110313	0.93	0.357	-.0119096	.0324268
tsd_edu_hs	.0067277	.0021721	3.10	0.003	.0023627	.0110926
tsd_edu_mrhs	.0364505	.0048482	7.52	0.000	.0267077	.0461933
tsd_edu_mis	.01727	.0031919	5.41	0.000	.0108556	.0236844
tsd_mie_exp	.0111813	.0053044	2.11	0.040	.0005217	.0218408
tsd_mie_mis	-.0033864	.0045239	-0.75	0.458	-.0124775	.0057048
tsd_mie_psbl	-.0068128	.0033415	-2.04	0.047	-.0135277	-.0000978
tsd_medicare	-.0165065	.0024037	-6.87	0.000	-.0213368	-.0116761
tsd_medicare_miss	-.0506863	.0040291	-12.58	0.000	-.0587831	-.0425895
tsd_depend_1	-.0132358	.004285	-3.09	0.003	-.0218469	-.0046247
tsd_depend_2	-.0072745	.0022981	-3.17	0.003	-.0118927	-.0026564

tsd_depend_miss	-.0255198	.0076021	-3.36	0.002	-.0407967	-.0102428
tsd_vrpr	.0048789	.0049988	0.98	0.334	-.0051667	.0149244
tsd_vrpr_miss	-.0187015	.0052914	-3.53	0.001	-.0293349	-.0080681
pdcgrou2	-.0224892	.0028108	-8.00	0.000	-.0281377	-.0168407
pdcgrou3	.0022366	.0067579	0.33	0.742	-.0113439	.0158171
pdcgrou4	-.0024899	.003634	-0.69	0.496	-.0097927	.0048128
pdcgrou5	-.0083583	.0270004	-0.31	0.758	-.0626177	.0459011
cohort2000	.0014458	.0039968	0.36	0.719	-.006586	.0094776
cohort2001	.0001215	.0090217	0.01	0.989	-.0180082	.0182512
cohort2002	-.001275	.0100047	-0.13	0.899	-.0213802	.0188303
cohort2003	.0598071	.0167078	3.58	0.001	.0262316	.0933827
cohort2004	.0369364	.0157018	2.35	0.023	.0053824	.0684904
award_b4_tsd	.0249662	.0081925	3.05	0.004	.0085027	.0414297
diaward_tsd	-.0009902	.0003854	-2.57	0.013	-.0017648	-.0002156
epeb4twp_flag	-.0791247	.0438064	-1.81	0.077	-.1671568	.0089075
ldwb4twp_flag	.3019409	.1010916	2.99	0.004	.0987898	.5050921
ldwb4epe_flag	.5646509	.0445001	12.69	0.000	.4752246	.6540772
twpb4tsd	.2870759	.011891	24.14	0.000	.2631802	.3109717
epeb4tsd	.0790997	.0098005	8.07	0.000	.059405	.0987945
ldwb4tsd	-.2379723	.0077273	-30.80	0.000	-.2535009	-.2224437
st_AL	-.308107	.0335652	-9.18	0.000	-.3755589	-.2406551
st_AR	-.2713632	.0342103	-7.93	0.000	-.3401115	-.202615
st_AZ	-.2287381	.0198725	-11.51	0.000	-.2686733	-.1888028
st_CA	-.1396699	.0101233	-13.80	0.000	-.1600134	-.1193264
st_CO	-.2741154	.0303784	-9.02	0.000	-.335163	-.2130677
st_CT	-.2840948	.0497415	-5.71	0.000	-.384054	-.1841355
st_DC	.0350221	.0121813	2.88	0.006	.0105429	.0595013
st_DE	-.3326533	.0584399	-5.69	0.000	-.4500927	-.2152139
st_FL	-.2626213	.0289843	-9.06	0.000	-.3208675	-.2043752
st_GA	-.2778035	.0420052	-6.61	0.000	-.3622161	-.1933909
st_HI	-.4215677	.0594789	-7.09	0.000	-.5410951	-.3020404
st_IA	-.3460309	.0561614	-6.16	0.000	-.4588914	-.2331704
st_ID	-.2279361	.0324585	-7.02	0.000	-.293164	-.1627082
st_IL	-.2071412	.0109403	-18.93	0.000	-.2291266	-.1851558
st_IN	-.2028253	.0380875	-5.33	0.000	-.2793649	-.1262856
st_KS	-.3389822	.0356763	-9.50	0.000	-.4106763	-.267288
st_KY	-.2333879	.0290222	-8.04	0.000	-.2917101	-.1750656
st_LA	-.1883307	.0275539	-6.83	0.000	-.2437023	-.1329591
st_MA	-.2471495	.0316393	-7.81	0.000	-.3107311	-.1835679
st_MD	-.3221328	.0481711	-6.69	0.000	-.4189362	-.2253294
st_ME	-.1733531	.0487635	-3.55	0.001	-.271347	-.0753592
st_MI	-.2302722	.0193772	-11.88	0.000	-.2692122	-.1913323
st_MN	-.3395931	.0480871	-7.06	0.000	-.4362279	-.2429584
st_MO	-.2979303	.0347383	-8.58	0.000	-.3677395	-.2281212
st_MS	-.091939	.0181204	-5.07	0.000	-.1283533	-.0555246
st_MT	-.4329342	.0501221	-8.64	0.000	-.5336583	-.3322101
st_NC	-.2697676	.0173402	-15.56	0.000	-.304614	-.2349213
st_ND	0	(omitted)				
st_NE	-.4000299	.0592584	-6.75	0.000	-.5191141	-.2809457
st_NH	-.2927526	.0450701	-6.50	0.000	-.3833244	-.2021808
st_NJ	-.2457771	.0260027	-9.45	0.000	-.2980315	-.1935228
st_NM	-.3383259	.0285187	-11.86	0.000	-.3956363	-.2810155
st_NV	-.2669888	.0288486	-9.25	0.000	-.3249622	-.2090153
st_NY	0	(omitted)				
st_OH	-.2718536	.0258337	-10.52	0.000	-.3237682	-.2199389
st_OK	-.3110999	.0420042	-7.41	0.000	-.3955105	-.2266894
st_OR	-.1967234	.0110167	-17.86	0.000	-.2188624	-.1745845
st_PA	-.2829291	.0294826	-9.60	0.000	-.3421766	-.2236815
st_PR	-.0234517	.0884437	-0.27	0.792	-.201186	.1542825
st_RI	-.2152856	.0359662	-5.99	0.000	-.2875624	-.1430089
st_SC	-.2753766	.0245513	-11.22	0.000	-.3247143	-.2260389
st_SD	-.2132275	.0727844	-2.93	0.005	-.3594933	-.0669618
st_TN	-.2627218	.0388262	-6.77	0.000	-.3407459	-.1846977

st_TX	-.2304139	.0151424	-15.22	0.000	-.2608436	-.1999841
st_UT	-.3523153	.0245933	-14.33	0.000	-.4017373	-.3028932
st_VA	-.2729114	.0531696	-5.13	0.000	-.3797597	-.1660632
st_VT	-.3316605	.0550255	-6.03	0.000	-.4422384	-.2210827
st_WA	-.1215354	.0096845	-12.55	0.000	-.1409971	-.1020737
st_WI	-.2883756	.034622	-8.33	0.000	-.357951	-.2188001
st_WV	-.2884527	.0222833	-12.94	0.000	-.3332326	-.2436728
st_WY	-.4265305	.0549207	-7.77	0.000	-.5368979	-.3161632
tsd_unemp_mean	-.0467859	.0174003	-2.69	0.010	-.0817531	-.0118187
tsd_unemp_cng	-.0336734	.0159217	-2.11	0.040	-.0656693	-.0016776
pial	-.0000161	.0000115	-1.40	0.167	-.0000392	6.99e-06
pia_miss	-.0404605	.0092351	-4.38	0.000	-.0590191	-.0219019
ime1	5.86e-06	4.66e-06	1.26	0.214	-3.50e-06	.0000152
ime_miss	-.0228539	.007602	-3.01	0.004	-.0381306	-.0075772
_cons	.744078	.1271873	5.85	0.000	.4884854	.9996705

(1) - imm1_adj - imm3_adj - imm4_adj = 0

ldwroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0040287	.002093	-1.92	0.060	-.0082347 .0001774

(1) imm1_adj + imm3_adj + imm4_adj = .0040287

ldwroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-8.67e-19	.002093	-0.00	1.000	-.004206 .004206

(1) imm1_adj = 0
(2) imm3_adj = 0
(3) imm4_adj = 0

F(3, 49) = 1.68
Prob > F = 0.1826

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 49) = 3.70
Prob > F = 0.0601

(1) -.5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 49) = 2.92
Prob > F = 0.0939

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH1NONY_unemp.xls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
F(47, 49) = .
Prob > F = .
R-squared = 0.1218
Root MSE = .15748

(Std. Err. adjusted for 50 clusters in tsd_state)

eperoll112	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0008585	.0020731	0.41	0.681	-.0033075	.0050245
imm3_adj	.0006947	.0010011	0.69	0.491	-.001317	.0027064
imm4_adj	-.00051	.0016237	-0.31	0.755	-.0037729	.002753
male	.0010062	.0006042	1.67	0.102	-.000208	.0022204
gendermiss_flag	-.0053708	.0019333	-2.78	0.008	-.0092559	-.0014856
tsd_age	-.0006593	.0001721	-3.83	0.000	-.0010052	-.0003134
doage2	-.0003062	.0001786	-1.71	0.093	-.0006652	.0000527
doage2miss_flag	-.0184973	.0126559	-1.46	0.150	-.0439303	.0069356
race_a	.0079264	.007979	0.99	0.325	-.0081081	.0239609
race_b	.0042843	.0014755	2.90	0.006	.0013191	.0072496
race_h	-.00507	.0036322	-1.40	0.169	-.0123691	.0022291
race_i	.0024009	.0071248	0.34	0.738	-.0119169	.0167186
race_o	-.0126684	.0092228	-1.37	0.176	-.0312024	.0058655
race_mis	.0012296	.0064343	0.19	0.849	-.0117007	.0141598
tsd_edu_hs	.001966	.002106	0.93	0.355	-.0022661	.0061981
tsd_edu_mrhs	.0099557	.0017616	5.65	0.000	.0064156	.0134958
tsd_edu_mis	.0118646	.0022776	5.21	0.000	.0072876	.0164416
tsd_mie_exp	.0002152	.0036405	0.06	0.953	-.0071007	.0075312
tsd_mie_mis	-.0013635	.0016347	-0.83	0.408	-.0046486	.0019216
tsd_mie_psbl	-.0033198	.0019312	-1.72	0.092	-.0072007	.0005611
tsd_medicare	-.0067591	.0023076	-2.93	0.005	-.0113964	-.0021219
tsd_medicare_miss	-.0154508	.005295	-2.92	0.005	-.0260915	-.00481
tsd_depend_1	-.0064757	.002419	-2.68	0.010	-.0113368	-.0016146
tsd_depend_2	-.008846	.0015052	-5.88	0.000	-.0118709	-.0058211
tsd_depend_miss	-.0221669	.0056334	-3.93	0.000	-.0334876	-.0108461
tsd_vrpr	.0153164	.003193	4.80	0.000	.0088999	.0217329
tsd_vrpr_miss	-.0004396	.0037162	-0.12	0.906	-.0079076	.0070284
pdcgrou2	.0022862	.0019282	1.19	0.241	-.0015887	.0061611
pdcgrou3	-.0041371	.0025548	-1.62	0.112	-.0092713	.000997
pdcgrou4	-.002848	.0025793	-1.10	0.275	-.0080314	.0023353
pdcgrou5	.0374806	.0269713	1.39	0.171	-.0167202	.0916814
cohort2000	-.0099983	.0018821	-5.31	0.000	-.0137804	-.0062161
cohort2001	-.0082266	.0041533	-1.98	0.053	-.016573	.0001198
cohort2002	-.0082018	.0068765	-1.19	0.239	-.0220207	.0056171
cohort2003	-.0234083	.0074573	-3.14	0.003	-.0383944	-.0084222
cohort2004	-.0237999	.0074556	-3.19	0.002	-.0387825	-.0088172
award_b4_tsd	-.0046485	.0074406	-0.62	0.535	-.019601	.010304
diaward_tsd	-.0008487	.0001774	-4.78	0.000	-.0012052	-.0004921
epeb4twp_flag	.2889849	.0961091	3.01	0.004	.0958466	.4821233
ldwb4twp_flag	-.035456	.0392634	-0.90	0.371	-.1143588	.0434468
ldwb4epe_flag	.0954546	.0268861	3.55	0.001	.041425	.1494842
twpb4tsd	.2345029	.0091012	25.77	0.000	.2162134	.2527924
epeb4tsd	-.092774	.0048593	-19.09	0.000	-.102539	-.0830089
ldwb4tsd	-.0457887	.0030194	-15.16	0.000	-.0518565	-.039721
st_AL	.011577	.0199109	0.58	0.564	-.0284353	.0515894
st_AR	.0242827	.0199737	1.22	0.230	-.015856	.0644214
st_AZ	-.0012703	.0122982	-0.10	0.918	-.0259846	.0234439
st_CA	.0147981	.0069349	2.13	0.038	.000862	.0287343
st_CO	-.015928	.0182818	-0.87	0.388	-.0526666	.0208106
st_CT	.027647	.027824	0.99	0.325	-.0282674	.0835615
st_DC	-.0191241	.0088947	-2.15	0.037	-.0369988	-.0012495
st_DE	-.0387795	.0341799	-1.13	0.262	-.1074666	.0299076
st_FL	-.0112823	.0179033	-0.63	0.532	-.0472603	.0246957
st_GA	-.030025	.025062	-1.20	0.237	-.080389	.0203391
st_HI	-.0612799	.0349332	-1.75	0.086	-.1314808	.0089209
st_IA	-.0340563	.0319839	-1.06	0.292	-.0983305	.0302178
st_ID	.077549	.0188885	4.11	0.000	.0395912	.1155068
st_IL	.013478	.0070994	1.90	0.064	-.0007887	.0277447
st_IN	-.036649	.0227641	-1.61	0.114	-.0823953	.0090972

st_KS	-.0293799	.0205722	-1.43	0.160	-.0707212	.0119615
st_KY	.0022387	.0173671	0.13	0.898	-.0326617	.0371391
st_LA	-.0810189	.016562	-4.89	0.000	-.1143015	-.0477364
st_MA	-.0087512	.0184837	-0.47	0.638	-.0458956	.0283933
st_MD	-.0789966	.0280271	-2.82	0.007	-.1353192	-.022674
st_ME	-.039211	.0275899	-1.42	0.162	-.0946548	.0162329
st_MI	.0042626	.0125503	0.34	0.736	-.0209582	.0294833
st_MN	.0019832	.028291	0.07	0.944	-.0548696	.058836
st_MO	.0081979	.0203664	0.40	0.689	-.0327299	.0491257
st_MS	-.0294338	.011587	-2.54	0.014	-.0527188	-.0061488
st_MT	-.0564974	.027073	-2.09	0.042	-.1109026	-.0020923
st_NC	-.0320393	.0112767	-2.84	0.007	-.0547006	-.009378
st_ND	0	(omitted)				
st_NE	-.0594731	.0349661	-1.70	0.095	-.12974	.0107938
st_NH	-.0891205	.0257977	-3.45	0.001	-.1409629	-.0372781
st_NJ	-.0240837	.0152633	-1.58	0.121	-.0547566	.0065891
st_NM	-.0197029	.0164562	-1.20	0.237	-.0527728	.0133671
st_NV	-.0220045	.0181057	-1.22	0.230	-.0583893	.0143804
st_NY	0	(omitted)				
st_OH	-.0369453	.0150817	-2.45	0.018	-.0672531	-.0066375
st_OK	-.0248528	.0247733	-1.00	0.321	-.0746366	.024931
st_OR	.0188386	.0052831	3.57	0.001	.0082218	.0294553
st_PA	-.0623229	.0176117	-3.54	0.001	-.097715	-.0269309
st_PR	.0950799	.0495981	1.92	0.061	-.0045911	.194751
st_RI	.0753335	.0214861	3.51	0.001	.0321557	.1185114
st_SC	-.0101072	.0151488	-0.67	0.508	-.04055	.0203355
st_SD	.0199972	.0405172	0.49	0.624	-.0614251	.1014195
st_TN	-.0539466	.0232569	-2.32	0.025	-.1006831	-.0072101
st_TX	-.0011438	.0090681	-0.13	0.900	-.0193669	.0170793
st_UT	-.0454507	.0158002	-2.88	0.006	-.0772024	-.013699
st_VA	-.038724	.0310955	-1.25	0.219	-.1012128	.0237648
st_VT	-.0322355	.0311153	-1.04	0.305	-.094764	.030293
st_WA	-.0288838	.0056387	-5.12	0.000	-.0402151	-.0175524
st_WI	-.0123325	.0206709	-0.60	0.554	-.0538723	.0292073
st_WV	-.0177884	.0124463	-1.43	0.159	-.0428001	.0072234
st_WY	-.0603308	.0334222	-1.81	0.077	-.1274953	.0068336
tsd_unemp_mean	-.0164823	.0095623	-1.72	0.091	-.0356984	.0027338
tsd_unemp_cng	-.0052508	.0094027	-0.56	0.579	-.0241462	.0136446
pial	1.26e-07	8.46e-06	0.01	0.988	-.0000169	.0000171
pia_miss	-.0056475	.0091022	-0.62	0.538	-.023939	.0126439
ime1	1.23e-06	2.64e-06	0.47	0.642	-4.06e-06	6.53e-06
ime_miss	-.0051836	.0039963	-1.30	0.201	-.0132143	.0028472
_cons	.1749894	.0685954	2.55	0.014	.0371418	.312837

(1) - imm1_adj - imm3_adj - imm4_adj = 0

eperoll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0010433	.0014139	-0.74	0.464	-.0038846 .0017981

(1) imm1_adj + imm3_adj + imm4_adj = .0010433

eperoll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-4.94e-17	.0014139	-0.00	1.000	-.0028413 .0028413

(1) imm1_adj = 0

(2) imm3_adj = 0

```

( 3) imm4_adj = 0

      F( 3, 49) = 0.31
      Prob > F = 0.8190

( 1) imm1_adj + imm3_adj + imm4_adj = 0

      F( 1, 49) = 0.54
      Prob > F = 0.4641

( 1) -.5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

      F( 1, 49) = 0.29
      Prob > F = 0.5919

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH1NONY_unemp.xls
dir : seeout
note: st_ND omitted because of collinearity
note: st_NY omitted because of collinearity

```

```

Linear regression                                Number of obs = 43043
                                                F( 47, 49) = .
                                                Prob > F = .
                                                R-squared = 0.1165
                                                Root MSE = .21094

```

(Std. Err. adjusted for 50 clusters in tsd_state)

eperoll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0035186	.0026195	1.34	0.185	-.0017454	.0087826
imm3_adj	-.00096	.0013634	-0.70	0.485	-.0037	.0017799
imm4_adj	-.0004078	.0018091	-0.23	0.823	-.0040432	.0032277
male	.0011255	.0012487	0.90	0.372	-.0013837	.0036348
gendermiss_flag	-.0167989	.0027561	-6.10	0.000	-.0223376	-.0112602
tsd_age	-.0017583	.0002401	-7.32	0.000	-.0022408	-.0012758
doage2	-.0001028	.0002266	-0.45	0.652	-.0005581	.0003526
doage2miss_flag	.2935117	.2571674	1.14	0.259	-.2232856	.8103091
race_a	.0006916	.00847	0.08	0.935	-.0163296	.0177128
race_b	.0100274	.0028481	3.52	0.001	.0043039	.015751
race_h	-.0015637	.0065804	-0.24	0.813	-.0147876	.0116601
race_i	-.0084385	.006794	-1.24	0.220	-.0220914	.0052145
race_o	-.0185062	.0114476	-1.62	0.112	-.0415109	.0044986
race_mis	.0020689	.0053513	0.39	0.701	-.0086848	.0128227
tsd_edu_hs	.0041203	.0035435	1.16	0.251	-.0030006	.0112413
tsd_edu_mrhs	.0180496	.003368	5.36	0.000	.0112814	.0248178
tsd_edu_mis	.019629	.0035508	5.53	0.000	.0124934	.0267647
tsd_mie_exp	-.0029857	.0064727	-0.46	0.647	-.0159932	.0100218
tsd_mie_mis	-.0091738	.0033979	-2.70	0.009	-.016002	-.0023455
tsd_mie_psbl	-.0094432	.0025673	-3.68	0.001	-.0146023	-.0042841
tsd_medicare	-.0120585	.0028605	-4.22	0.000	-.017807	-.00631
tsd_medicare_miss	-.0323663	.0071653	-4.52	0.000	-.0467656	-.0179671
tsd_depend_1	-.0119226	.0040662	-2.93	0.005	-.0200939	-.0037513
tsd_depend_2	-.0117881	.0038186	-3.09	0.003	-.0194618	-.0041145
tsd_depend_miss	-.0390893	.0119023	-3.28	0.002	-.063008	-.0151707
tsd_vrpr	.0199396	.0057131	3.49	0.001	.0084587	.0314205
tsd_vrpr_miss	-.0107243	.0049595	-2.16	0.035	-.0206908	-.0007578
pdcgrou2	.0014339	.0034316	0.42	0.678	-.0054621	.00833
pdcgrou3	-.0064228	.0035457	-1.81	0.076	-.0135481	.0007025
pdcgrou4	-.0004525	.0035009	-0.13	0.898	-.0074878	.0065829
pdcgrou5	.0295441	.0275076	1.07	0.288	-.0257345	.0848227

cohort2000	-.017765	.0026694	-6.66	0.000	-.0231293	-.0124007
cohort2001	-.015484	.0050191	-3.09	0.003	-.0255703	-.0053978
cohort2002	-.0105304	.0082899	-1.27	0.210	-.0271896	.0061287
cohort2003	.0020049	.0090165	0.22	0.825	-.0161146	.0201243
cohort2004	-.0556138	.0099527	-5.59	0.000	-.0756145	-.035613
award_b4_tsd	.0118378	.0089054	1.33	0.190	-.0060583	.0297339
diaward_tsd	-.0012535	.0001806	-6.94	0.000	-.0016165	-.0008904
epeb4twp_flag	.3023487	.0938798	3.22	0.002	.1136902	.4910072
ldwb4twp_flag	-.0761053	.0461419	-1.65	0.105	-.1688308	.0166203
ldwb4epe_flag	.286974	.0458549	6.26	0.000	.1948252	.3791228
twpb4tsd	.2823152	.0121604	23.22	0.000	.2578779	.3067524
epeb4tsd	-.1311766	.0062689	-20.93	0.000	-.1437743	-.1185789
ldwb4tsd	-.0645088	.0038402	-16.80	0.000	-.0722259	-.0567917
st_AL	.0691059	.0195971	3.53	0.001	.0297241	.1084878
st_AR	.0375706	.0199318	1.88	0.065	-.0024838	.077625
st_AZ	.0255487	.0122356	2.09	0.042	.0009603	.0501372
st_CA	.0585046	.007882	7.42	0.000	.0426652	.074344
st_CO	.0147653	.0185883	0.79	0.431	-.0225892	.0521199
st_CT	.0417462	.0247441	1.69	0.098	-.0079789	.0914713
st_DC	-.0376418	.0108926	-3.46	0.001	-.0595312	-.0157523
st_DE	.005782	.0333969	0.17	0.863	-.0613315	.0728955
st_FL	.0138653	.0190098	0.73	0.469	-.0243365	.052067
st_GA	-.0193315	.0250211	-0.77	0.443	-.0696133	.0309503
st_HI	-.0502671	.0360181	-1.40	0.169	-.1226482	.0221141
st_IA	.0145579	.030124	0.48	0.631	-.0459786	.0750944
st_ID	.0843443	.0192321	4.39	0.000	.0456961	.1229926
st_IL	.0378252	.0077237	4.90	0.000	.0223037	.0533466
st_IN	.0018546	.0230202	0.08	0.936	-.0444062	.0481155
st_KS	-.0165897	.0206215	-0.80	0.425	-.0580302	.0248507
st_KY	.0615583	.0179441	3.43	0.001	.0254983	.0976183
st_LA	.0155332	.0165812	0.94	0.353	-.0177879	.0488543
st_MA	.0306167	.0172124	1.78	0.081	-.0039729	.0652064
st_MD	-.0715719	.0277	-2.58	0.013	-.1272373	-.0159066
st_ME	-.0173019	.0256159	-0.68	0.503	-.0687789	.0341751
st_MI	.0242197	.013239	1.83	0.073	-.0023852	.0508245
st_MN	.0442507	.0281309	1.57	0.122	-.0122805	.1007819
st_MO	.012412	.0198139	0.63	0.534	-.0274056	.0522296
st_MS	.1127663	.013743	8.21	0.000	.0851487	.1403839
st_MT	-.0754279	.0248961	-3.03	0.004	-.1254586	-.0253972
st_NC	-.0400608	.0133695	-3.00	0.004	-.0669278	-.0131939
st_ND	0	(omitted)				
st_NE	-.0316198	.0335032	-0.94	0.350	-.0989469	.0357074
st_NH	-.0744328	.024725	-3.01	0.004	-.1241196	-.0247461
st_NJ	-.0007937	.0151352	-0.05	0.958	-.0312091	.0296217
st_NM	-.0053226	.0165499	-0.32	0.749	-.038581	.0279358
st_NV	-.0313115	.0194006	-1.61	0.113	-.0702984	.0076754
st_NY	0	(omitted)				
st_OH	-.0039047	.0154417	-0.25	0.801	-.034936	.0271267
st_OK	.0008429	.0240752	0.04	0.972	-.0475381	.0492238
st_OR	.0271145	.0063138	4.29	0.000	.0144265	.0398025
st_PA	-.0406451	.0172868	-2.35	0.023	-.0753842	-.005906
st_PR	.0449709	.0459599	0.98	0.333	-.047389	.1373308
st_RI	.074937	.0206726	3.62	0.001	.0333938	.1164802
st_SC	.0086993	.0158465	0.55	0.586	-.0231455	.0405441
st_SD	.0392355	.0392262	1.00	0.322	-.0395925	.1180634
st_TN	-.0122755	.0247643	-0.50	0.622	-.0620413	.0374903
st_TX	.0203673	.0097839	2.08	0.043	.0007058	.0400289
st_UT	.0605357	.0156718	3.86	0.000	.029042	.0920294
st_VA	-.0256984	.0298015	-0.86	0.393	-.0855868	.0341899
st_VT	.0166491	.0288337	0.58	0.566	-.0412943	.0745926
st_WA	-.0476716	.0070272	-6.78	0.000	-.0617933	-.03355
st_WI	.0121062	.0208376	0.58	0.564	-.0297685	.053981
st_WV	-.0162416	.0123629	-1.31	0.195	-.0410856	.0086025

st_WY	-0.047323	.0324775	-1.46	0.151	-.1125891	.017943
tsd_unemp_mean	-.0085971	.0087487	-0.98	0.331	-.0261782	.008984
tsd_unemp_cng	-.0153474	.0122251	-1.26	0.215	-.0399146	.0092199
pial	9.15e-06	.0000107	0.85	0.399	-.0000124	.0000307
pia_miss	.0024872	.0129921	0.19	0.849	-.0236214	.0285958
ime1	-1.44e-06	3.32e-06	-0.43	0.667	-8.11e-06	5.23e-06
ime_miss	-.0192038	.0041522	-4.62	0.000	-.027548	-.0108597
_cons	.1776001	.0658592	2.70	0.010	.0452509	.3099492

(1) - imm1_adj - imm3_adj - imm4_adj = 0

eperoll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-.0021509	.0013485	-1.60	0.117	-.0048607	.000559

(1) imm1_adj + imm3_adj + imm4_adj = .0021509

eperoll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-8.67e-19	.0013485	-0.00	1.000	-.0027099	.0027099

(1) imm1_adj = 0
(2) imm3_adj = 0
(3) imm4_adj = 0

F(3, 49) = 1.04
Prob > F = 0.3814

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 49) = 2.54
Prob > F = 0.1171

(1) -.5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 49) = 0.92
Prob > F = 0.3426

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH1NONY_unemp.xls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
F(47, 49) = .
Prob > F = .
R-squared = 0.1162
Root MSE = .25266

(Std. Err. adjusted for 50 clusters in tsd_state)

eperoll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.007595	.004186	1.81	0.076	-.000817	.016007
imm3_adj	-.0016167	.0026738	-0.60	0.548	-.00699	.0037565
imm4_adj	-.0023402	.0028292	-0.83	0.412	-.0080258	.0033453

male	-.0023845	.0015318	-1.56	0.126	-.0054627	.0006938
gendermiss_flag	-.0293682	.0043856	-6.70	0.000	-.0381815	-.0205549
tsd_age	-.0028263	.000247	-11.44	0.000	-.0033227	-.00233
doage2	-.0001283	.0002271	-0.56	0.575	-.0005846	.0003281
doage2miss_flag	.2741549	.2462515	1.11	0.271	-.2207061	.7690159
race_a	.0042366	.0136787	0.31	0.758	-.0232517	.0317249
race_b	.0181535	.0030316	5.99	0.000	.0120613	.0242458
race_h	-.0008768	.0066163	-0.13	0.895	-.0141727	.0124191
race_i	-.0066095	.009103	-0.73	0.471	-.0249026	.0116836
race_o	-.0257561	.0107374	-2.40	0.020	-.0473338	-.0041784
race_mis	.0020675	.0097317	0.21	0.833	-.0174891	.0216241
tsd_edu_hs	.0039637	.0032844	1.21	0.233	-.0026366	.0105639
tsd_edu_mrhs	.0239528	.0040689	5.89	0.000	.0157761	.0321295
tsd_edu_mis	.0200844	.0048176	4.17	0.000	.0104031	.0297657
tsd_mie_exp	-.0082601	.0064973	-1.27	0.210	-.0213169	.0047967
tsd_mie_mis	-.0102255	.0035744	-2.86	0.006	-.0174085	-.0030424
tsd_mie_psbl	-.0154191	.0024103	-6.40	0.000	-.0202628	-.0105754
tsd_medicare	-.0152603	.0021829	-6.99	0.000	-.019647	-.0108735
tsd_medicare_mis	-.0485615	.0074363	-6.53	0.000	-.0635054	-.0336177
tsd_depend_1	-.0151599	.0053464	-2.84	0.007	-.025904	-.0044159
tsd_depend_2	-.0118941	.0037363	-3.18	0.003	-.0194024	-.0043857
tsd_depend_mis	-.0419312	.0116786	-3.59	0.001	-.0654002	-.0184621
tsd_vrpr	.0078711	.0063649	1.24	0.222	-.0049196	.0206618
tsd_vrpr_mis	-.0407942	.0058957	-6.92	0.000	-.0526421	-.0289464
pdcgroup2	-.0035441	.0039632	-0.89	0.376	-.0115083	.0044202
pdcgroup3	-.0085736	.0049406	-1.74	0.089	-.0185021	.0013549
pdcgroup4	-.0060446	.0033109	-1.83	0.074	-.0126982	.0006089
pdcgroup5	.0155335	.0278898	0.56	0.580	-.0405132	.0715801
cohort2000	-.0116254	.0039722	-2.93	0.005	-.0196079	-.0036429
cohort2001	-.006765	.0067076	-1.01	0.318	-.0202445	.0067145
cohort2002	-.0007279	.0099201	-0.07	0.942	-.0206632	.0192074
cohort2003	.0748036	.0185971	4.02	0.000	.0374313	.1121759
cohort2004	-.0085598	.015857	-0.54	0.592	-.0404256	.023306
award_b4_tsd	.0238958	.0103113	2.32	0.025	.0031746	.0446171
diaward_tsd	-.001081	.00029	-3.73	0.001	-.0016638	-.0004981
epeb4twp_flag	.3104969	.0944959	3.29	0.002	.1206003	.5003936
ldwb4twp_flag	-.1113514	.0558762	-1.99	0.052	-.2236388	.0009361
ldwb4epe_flag	.435978	.0489301	8.91	0.000	.3376493	.5343066
twpb4tsd	.3095418	.0098446	31.44	0.000	.2897583	.3293253
epeb4tsd	-.1657803	.0061668	-26.88	0.000	-.178173	-.1533876
ldwb4tsd	-.081325	.0049289	-16.50	0.000	-.09123	-.0714201
st_AL	.0180124	.0187194	0.96	0.341	-.0196056	.0556303
st_AR	-.0133887	.0201756	-0.66	0.510	-.0539331	.0271557
st_AZ	.0353935	.0125386	2.82	0.007	.0101961	.0605908
st_CA	.0714994	.0076621	9.33	0.000	.0561019	.0868969
st_CO	-.006652	.0186825	-0.36	0.723	-.0441959	.0308919
st_CT	-.0315271	.0314702	-1.00	0.321	-.0947687	.0317146
st_DC	-.0561646	.0097504	-5.76	0.000	-.0757588	-.0365704
st_DE	-.0538197	.0351465	-1.53	0.132	-.1244492	.0168098
st_FL	-.006923	.0182453	-0.38	0.706	-.0435883	.0297423
st_GA	-.0360097	.0254139	-1.42	0.163	-.0870809	.0150614
st_HI	-.1466673	.0338494	-4.33	0.000	-.2146901	-.0786444
st_IA	-.0493247	.0335126	-1.47	0.147	-.1166709	.0180215
st_ID	.0374975	.0205012	1.83	0.073	-.0037012	.0786963
st_IL	.0531773	.0075738	7.02	0.000	.0379572	.0683973
st_IN	-.0202771	.0231593	-0.88	0.386	-.0668175	.0262634
st_KS	-.0196378	.0225864	-0.87	0.389	-.0650269	.0257513
st_KY	.0207006	.0178977	1.16	0.253	-.0152661	.0566674
st_LA	-.0188914	.0159437	-1.18	0.242	-.0509314	.0131487
st_MA	.0151978	.0198831	0.76	0.448	-.0247588	.0551544
st_MD	-.092091	.0297505	-3.10	0.003	-.1518769	-.0323052
st_ME	-.09082	.0292901	-3.10	0.003	-.1496806	-.0319594
st_MI	-.0118543	.0126299	-0.94	0.353	-.037235	.0135264

st_MN	-.0390775	.0290374	-1.35	0.185	-.0974304	.0192753
st_MO	-.0232311	.0209476	-1.11	0.273	-.0653269	.0188647
st_MS	.0815568	.0137576	5.93	0.000	.0539099	.1092037
st_MT	-.1832478	.0252857	-7.25	0.000	-.2340613	-.1324344
st_NC	-.0115092	.0131754	-0.87	0.387	-.0379861	.0149677
st_ND	0	(omitted)				
st_NE	-.1161259	.0351194	-3.31	0.002	-.1867009	-.0455509
st_NH	-.0809755	.0284489	-2.85	0.006	-.1381457	-.0238053
st_NJ	.0216719	.0154552	1.40	0.167	-.0093864	.0527303
st_NM	-.0399095	.0180875	-2.21	0.032	-.0762576	-.0035613
st_NV	-.0086147	.017933	-0.48	0.633	-.0446524	.027423
st_NY	0	(omitted)				
st_OH	-.0380027	.0159807	-2.38	0.021	-.0701171	-.0058883
st_OK	-.0370358	.0253968	-1.46	0.151	-.0880725	.014001
st_OR	.0532759	.0098016	5.44	0.000	.0335789	.0729728
st_PA	-.0683852	.0175403	-3.90	0.000	-.1036337	-.0331367
st_PR	.1844152	.0508901	3.62	0.001	.0821478	.2866827
st_RI	.0118206	.0249129	0.47	0.637	-.0382437	.0618849
st_SC	-.008125	.0154656	-0.53	0.602	-.0392043	.0229543
st_SD	.0728872	.0415535	1.75	0.086	-.0106177	.1563922
st_TN	-.0367197	.0238666	-1.54	0.130	-.0846814	.011242
st_TX	.0012895	.0101167	0.13	0.899	-.0190407	.0216198
st_UT	.0119043	.0164519	0.72	0.473	-.021157	.0449655
st_VA	-.1114415	.0309759	-3.60	0.001	-.1736899	-.049193
st_VT	-.0479166	.0332174	-1.44	0.156	-.1146696	.0188363
st_WA	-.0175042	.0090266	-1.94	0.058	-.0356437	.0006353
st_WI	-.0183992	.0207452	-0.89	0.379	-.0600883	.0232899
st_WV	-.0538293	.014408	-3.74	0.000	-.0827832	-.0248753
st_WY	-.1355906	.035172	-3.86	0.000	-.2062713	-.0649098
tsd_unemp_mean	-.0365566	.0102381	-3.57	0.001	-.0571309	-.0159824
tsd_unemp_cng	-.0386212	.0140101	-2.76	0.008	-.0667757	-.0104668
pial	.0000248	.0000123	2.01	0.050	-3.19e-08	.0000496
pia_miss	-.0018188	.0164932	-0.11	0.913	-.0349632	.0313256
ime1	-6.15e-06	4.23e-06	-1.45	0.152	-.0000147	2.35e-06
ime_miss	-.0376694	.0050007	-7.53	0.000	-.0477186	-.0276201
_cons	.4358366	.0718491	6.07	0.000	.2914503	.5802228

(1) - imm1_adj - imm3_adj - imm4_adj = 0

eperoll136	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.003638	.0018951	-1.92	0.061	-.0074463 .0001703

(1) imm1_adj + imm3_adj + imm4_adj = .003638

eperoll136	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	3.56e-17	.0018951	0.00	1.000	-.0038083 .0038083

(1) imm1_adj = 0

(2) imm3_adj = 0

(3) imm4_adj = 0

F(3, 49) = 2.06
 Prob > F = 0.1179

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 49) = 3.69
 Prob > F = 0.0607

(1) - .5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 49) = 0.44
 Prob > F = 0.5124

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NONY_unemp.xls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
 F(47, 49) = .
 Prob > F = .
 R-squared = 0.1181
 Root MSE = .27983

(Std. Err. adjusted for 50 clusters in tsd_state)

eperoll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0043896	.0051137	0.86	0.395	-.0058867	.0146659
imm3_adj	-.0019587	.0031471	-0.62	0.537	-.008283	.0043657
imm4_adj	-.000147	.0028847	-0.05	0.960	-.005944	.0056501
male	-.0014402	.0016537	-0.87	0.388	-.0047633	.001883
gendermiss_flag	-.040563	.0053933	-7.52	0.000	-.0514013	-.0297247
tsd_age	-.0035484	.0002136	-16.61	0.000	-.0039775	-.0031192
doage2	-.0002577	.0002597	-0.99	0.326	-.0007795	.0002641
doage2miss_flag	.2583743	.2376299	1.09	0.282	-.2191609	.7359096
race_a	-.0014902	.0152505	-0.10	0.923	-.0321372	.0291568
race_b	.0223057	.0035641	6.26	0.000	.0151434	.029468
race_h	-.002412	.007227	-0.33	0.740	-.0169352	.0121113
race_i	-.0061038	.0146639	-0.42	0.679	-.0355719	.0233643
race_o	-.0371859	.0116001	-3.21	0.002	-.0604972	-.0138745
race_mis	.0006931	.0086864	0.08	0.937	-.016763	.0181491
tsd_edu_hs	.0056065	.0032875	1.71	0.094	-.0010001	.012213
tsd_edu_mrhs	.0280141	.0047388	5.91	0.000	.0184912	.037537
tsd_edu_mis	.0215699	.0060783	3.55	0.001	.0093552	.0337847
tsd_mie_exp	-.0000868	.0079727	-0.01	0.991	-.0161085	.0159349
tsd_mie_mis	-.0089311	.0036145	-2.47	0.017	-.0161947	-.0016676
tsd_mie_psbl	-.0156068	.0032554	-4.79	0.000	-.0221487	-.0090649
tsd_medicare	-.0173007	.0023953	-7.22	0.000	-.0221143	-.0124872
tsd_medicare_miss	-.0643783	.0074517	-8.64	0.000	-.079353	-.0494036
tsd_depend_1	-.0168609	.0048995	-3.44	0.001	-.0267067	-.007015
tsd_depend_2	-.0082202	.0033425	-2.46	0.017	-.0149371	-.0015032
tsd_depend_miss	-.0579294	.0124128	-4.67	0.000	-.0828738	-.0329849
tsd_vrpr	-.0053252	.0073672	-0.72	0.473	-.0201301	.0094796
tsd_vrpr_miss	-.0675018	.0066546	-10.14	0.000	-.0808747	-.0541288
pdcgrou2	-.008726	.0058708	-1.49	0.144	-.0205238	.0030719
pdcgrou3	-.0112827	.0065165	-1.73	0.090	-.0243782	.0018128
pdcgrou4	-.0101875	.0038746	-2.63	0.011	-.0179738	-.0024013
pdcgrou5	.0263585	.0285483	0.92	0.360	-.0310115	.0837285
cohort2000	-.0085377	.0043681	-1.95	0.056	-.0173158	.0002404
cohort2001	-.0021954	.0086702	-0.25	0.801	-.0196188	.015228
cohort2002	-.0044862	.0119666	-0.37	0.709	-.0285341	.0195617
cohort2003	.0961716	.0191182	5.03	0.000	.0577522	.134591
cohort2004	.0119399	.0225158	0.53	0.598	-.0333072	.0571871
award_b4_tsd	.0394785	.0127883	3.09	0.003	.0137794	.0651775
diaward_tsd	-.0011651	.0003808	-3.06	0.004	-.0019304	-.0003998

epeb4twp_flag	.3147888	.0960123	3.28	0.002	.1218447	.5077328
ldwb4twp_flag	-.1392132	.0657585	-2.12	0.039	-.2713598	-.0070665
ldwb4epe_flag	.5470404	.0411927	13.28	0.000	.4642605	.6298203
twpb4tsd	.3210134	.0081842	39.22	0.000	.3045667	.3374601
epeb4tsd	-.1906896	.0057411	-33.21	0.000	-.2022268	-.1791523
ldwb4tsd	-.0922787	.0053975	-17.10	0.000	-.1031254	-.081432
st_AL	.0253565	.0300323	0.84	0.403	-.0349957	.0857088
st_AR	-.0023385	.0308141	-0.08	0.940	-.0642618	.0595849
st_AZ	.0679936	.0183871	3.70	0.001	.0310434	.1049438
st_CA	.0862769	.0099784	8.65	0.000	.0662246	.1063291
st_CO	.0232162	.0277329	0.84	0.407	-.0325151	.0789476
st_CT	.0516919	.0484147	1.07	0.291	-.0456012	.1489849
st_DC	-.0465435	.0120811	-3.85	0.000	-.0708214	-.0222657
st_DE	-.0288898	.0544864	-0.53	0.598	-.1383926	.0805966
st_FL	.0303112	.0264268	1.15	0.257	-.0227956	.0834179
st_GA	.0067584	.0381068	0.18	0.860	-.0698201	.083337
st_HI	-.1262468	.0534165	-2.36	0.022	-.2335913	-.0189023
st_IA	-.0286253	.0531263	-0.54	0.592	-.1353865	.078136
st_ID	.0483515	.029592	1.63	0.109	-.0111116	.1078189
st_IL	.0842766	.010369	8.13	0.000	.0634394	.1051138
st_IN	-.0083387	.0347406	-0.24	0.811	-.0781525	.0614751
st_KS	.0380124	.0334701	1.14	0.262	-.0292483	.1052731
st_KY	.0370484	.0267848	1.38	0.173	-.0167777	.0908744
st_LA	-.0025044	.0232802	-0.11	0.915	-.0492877	.0442789
st_MA	.0450233	.0305105	1.48	0.146	-.0162899	.1063365
st_MD	-.0852011	.0446709	-1.91	0.062	-.1749706	.0045683
st_ME	-.0916502	.0465398	-1.97	0.055	-.1851754	.001875
st_MI	.0251154	.0180239	1.39	0.170	-.0111051	.0613358
st_MN	-.0321561	.0443062	-0.73	0.471	-.1211928	.0568806
st_MO	.0043917	.0319901	0.14	0.891	-.0598948	.0686781
st_MS	.0953729	.0183475	5.20	0.000	.0585022	.1322435
st_MT	-.2063895	.0461257	-4.47	0.000	-.2990826	-.1136963
st_NC	.0079469	.0172119	0.46	0.646	-.0266418	.0425355
st_ND	0	(omitted)				
st_NE	-.0515102	.0545071	-0.95	0.349	-.1610463	.0580259
st_NH	-.0757226	.0428929	-1.77	0.084	-.1619191	.0104739
st_NJ	.0322897	.0232135	1.39	0.171	-.0143596	.078939
st_NM	-.0268411	.0272039	-0.99	0.329	-.0815094	.0278272
st_NV	.0067461	.0260522	0.26	0.797	-.0456078	.0591
st_NY	0	(omitted)				
st_OH	-.0276905	.0237967	-1.16	0.250	-.0755118	.0201307
st_OK	-.0102589	.0394417	-0.26	0.796	-.08952	.0690022
st_OR	.0943627	.0140199	6.73	0.000	.0661886	.1225368
st_PA	-.0613452	.0264217	-2.32	0.024	-.1144416	-.0082487
st_PR	.2176622	.0863262	2.52	0.015	.0441833	.3911411
st_RI	.1536365	.0344247	4.46	0.000	.0844575	.2228154
st_SC	.0201875	.0229584	0.88	0.384	-.0259491	.0663241
st_SD	.0843674	.0656854	1.28	0.205	-.0476323	.2163671
st_TN	.0601459	.0357088	1.68	0.098	-.0116136	.1319055
st_TX	.0135704	.0131199	1.03	0.306	-.0127951	.0399359
st_UT	.0143364	.0241606	0.59	0.556	-.0342163	.062889
st_VA	-.1063963	.0487402	-2.18	0.034	-.2043434	-.0084493
st_VT	-.0117874	.0524321	-0.22	0.823	-.1171536	.0935789
st_WA	-.0013649	.0126964	-0.11	0.915	-.0268793	.0241495
st_WI	.0154674	.0318698	0.49	0.630	-.0485774	.0795121
st_WV	-.0491933	.0208743	-2.36	0.022	-.0911418	-.0072449
st_WY	-.1327487	.0529018	-2.51	0.015	-.2390589	-.0264386
tsd_unemp_mean	-.0396996	.0166046	-2.39	0.021	-.0730679	-.0063314
tsd_unemp_cng	-.0251281	.0173612	-1.45	0.154	-.0600168	.0097606
pia1	.000035	.0000143	2.45	0.018	6.27e-06	.0000638
pia_miss	.0145014	.0190594	0.76	0.450	-.0237999	.0528026
ime1	-.0000106	4.85e-06	-2.18	0.034	-.0000203	-8.38e-07
ime_miss	-.0556849	.0063777	-8.73	0.000	-.0685013	-.0428685

 _cons | .4912623 .1157487 4.24 0.000 .2586565 .723868

(1) - imm1_adj - imm3_adj - imm4_adj = 0

eperoll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-.002284	.0025952	-0.88	0.383	-.0074993	.0029314

(1) imm1_adj + imm3_adj + imm4_adj = .002284

eperoll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	3.12e-17	.0025952	0.00	1.000	-.0052153	.0052153

(1) imm1_adj = 0
 (2) imm3_adj = 0
 (3) imm4_adj = 0

F(3, 49) = 0.36
 Prob > F = 0.7825

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 49) = 0.77
 Prob > F = 0.3831

(1) - .5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 49) = 0.56
 Prob > F = 0.4566

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
 F(47, 49) = .
 Prob > F = .
 R-squared = 0.0266
 Root MSE = .19951

(Std. Err. adjusted for 50 clusters in tsd_state)

twproll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0005073	.0025029	0.20	0.840	-.0045225	.0055371
imm3_adj	-.0008201	.0015428	-0.53	0.597	-.0039205	.0022804
imm4_adj	.0023938	.0015674	1.53	0.133	-.000756	.0055437
male	-.0015081	.0013183	-1.14	0.258	-.0041573	.001141
gendermiss_flag	-.0293326	.0028855	-10.17	0.000	-.0351313	-.0235339
tsd_age	-.0016752	.000245	-6.84	0.000	-.0021676	-.0011828
doage2	.0000178	.0001995	0.09	0.929	-.0003831	.0004187
doage2miss_flag	-.0448227	.0154227	-2.91	0.005	-.0758158	-.0138296
race_a	.0008518	.0089757	0.09	0.925	-.0171857	.0188892
race_b	.005728	.0040356	1.42	0.162	-.0023818	.0138378

race_h	.0023117	.0045383	0.51	0.613	-.0068083	.0114318
race_i	-.0156478	.0068649	-2.28	0.027	-.0294433	-.0018523
race_o	-.0218053	.0046157	-4.72	0.000	-.0310809	-.0125297
race_mis	.0062816	.0091038	0.69	0.493	-.0120133	.0245764
tsd_edu_hs	.0020271	.0028829	0.70	0.485	-.0037663	.0078204
tsd_edu_mrhs	.0166566	.0037037	4.50	0.000	.0092138	.0240994
tsd_edu_mis	.0065472	.0023759	2.76	0.008	.0017727	.0113217
tsd_mie_exp	.0046683	.0036437	1.28	0.206	-.002654	.0119906
tsd_mie_mis	-.0092895	.0024911	-3.73	0.000	-.0142956	-.0042835
tsd_mie_psbl	.0030288	.0025269	1.20	0.236	-.0020491	.0081068
tsd_medicare	-.0157578	.001902	-8.28	0.000	-.01958	-.0119356
tsd_medicare_miss	-.0368927	.0038925	-9.48	0.000	-.044715	-.0290704
tsd_depend_1	-.0089136	.0018282	-4.88	0.000	-.0125874	-.0052398
tsd_depend_2	-.000507	.0022561	-0.22	0.823	-.0050408	.0040268
tsd_depend_miss	-.0302901	.0059099	-5.13	0.000	-.0421665	-.0184137
tsd_vrpr	-.012233	.0077127	-1.59	0.119	-.0277323	.0032663
tsd_vrpr_miss	-.0355541	.006325	-5.62	0.000	-.0482647	-.0228434
pdcgrou2	-.0177263	.0021543	-8.23	0.000	-.0220554	-.0133971
pdcgrou3	-.0134801	.0020299	-6.64	0.000	-.0175593	-.0094008
pdcgrou4	-.0128061	.0018913	-6.77	0.000	-.0166067	-.0090054
pdcgrou5	-.0031775	.0246719	-0.13	0.898	-.0527575	.0464026
cohort2000	-.0110337	.0036173	-3.05	0.004	-.0183028	-.0037645
cohort2001	-.0179822	.0059143	-3.04	0.004	-.0298674	-.006097
cohort2002	-.0139779	.0105094	-1.33	0.190	-.0350974	.0071416
cohort2003	-.0329	.0084706	-3.88	0.000	-.0499223	-.0158777
cohort2004	-.0421089	.0118945	-3.54	0.001	-.0660119	-.018206
award_b4_tsd	.0122966	.0063682	1.93	0.059	-.0005008	.025094
diaward_tsd	-.0008592	.0002661	-3.23	0.002	-.001394	-.0003245
epeb4twp_flag	.0250386	.0725484	0.35	0.731	-.1207529	.17083
ldwb4twp_flag	.004857	.0854717	0.06	0.955	-.1669048	.1766188
ldwb4epe_flag	.1368688	.0339697	4.03	0.000	.0686042	.2051333
twpb4tsd	-.0473518	.0017986	-26.33	0.000	-.0509662	-.0437375
epeb4tsd	-.0332151	.0020099	-16.53	0.000	-.0372542	-.029176
ldwb4tsd	-.0138103	.0014957	-9.23	0.000	-.0168161	-.0108045
st_AL	-.0348555	.0134477	-2.59	0.013	-.0618797	-.0078313
st_AR	-.0767826	.0141974	-5.41	0.000	-.1053134	-.0482519
st_AZ	.001059	.0084987	0.12	0.901	-.0160199	.0181379
st_CA	.0385518	.0048908	7.88	0.000	.0287234	.0483803
st_CO	-.0266768	.0128292	-2.08	0.043	-.0524579	-.0008956
st_CT	-.11929	.0223048	-5.35	0.000	-.1641132	-.0744669
st_DC	-.0271514	.0062553	-4.34	0.000	-.0397218	-.014581
st_DE	-.0965285	.0243664	-3.96	0.000	-.1454946	-.0475625
st_FL	-.0195983	.0125242	-1.56	0.124	-.0447666	.00557
st_GA	-.0358403	.0176025	-2.04	0.047	-.0712139	-.0004666
st_HI	-.1560635	.0255665	-6.10	0.000	-.2074412	-.1046858
st_IA	-.0991699	.0236912	-4.19	0.000	-.1467791	-.0515606
st_ID	-.0624414	.0140649	-4.44	0.000	-.0907058	-.0341769
st_IL	.0321213	.0049339	6.51	0.000	.0222062	.0420363
st_IN	-.0846094	.015639	-5.41	0.000	-.1160372	-.0531816
st_KS	-.0806855	.0150168	-5.37	0.000	-.1108629	-.0505081
st_KY	-.0023732	.0119253	-0.20	0.843	-.0263381	.0215917
st_LA	.059564	.0099547	5.98	0.000	.0395592	.0795689
st_MA	-.0236844	.0133564	-1.77	0.082	-.0505252	.0031563
st_MD	-.1216828	.019725	-6.17	0.000	-.1613217	-.082044
st_ME	-.1205889	.0207088	-5.82	0.000	-.1622047	-.0789731
st_MI	.0211849	.0082729	2.56	0.014	.0045598	.0378099
st_MN	-.0806722	.0206654	-3.90	0.000	-.122201	-.0391435
st_MO	-.0311277	.0143566	-2.17	0.035	-.0599784	-.0022771
st_MS	.0492004	.0094776	5.19	0.000	.0301544	.0682464
st_MT	-.1860532	.0222774	-8.35	0.000	-.2308213	-.1412851
st_NC	.0074029	.0089886	0.82	0.414	-.0106604	.0254662
st_ND	0	(omitted)				
st_NE	-.1379904	.024712	-5.58	0.000	-.187651	-.0883298

st_NH	-.090107	.0188243	-4.79	0.000	-.1279358	-.0522781
st_NJ	-.0317262	.0100003	-3.17	0.003	-.0518225	-.0116299
st_NM	.0330242	.01208	2.73	0.009	.0087485	.0573
st_NV	-.0256471	.0125492	-2.04	0.046	-.0508657	-.0004285
st_NY	0	(omitted)				
st_OH	-.0286234	.0109242	-2.62	0.012	-.0505763	-.0066705
st_OK	-.0676459	.0176288	-3.84	0.000	-.1030724	-.0322194
st_OR	.0555837	.0068785	8.08	0.000	.0417609	.0694066
st_PA	-.0572172	.0117372	-4.87	0.000	-.0808041	-.0336303
st_PR	.2979126	.0382864	7.78	0.000	.2209733	.3748519
st_RI	-.0903487	.0167789	-5.38	0.000	-.1240673	-.0566302
st_SC	-.0248616	.0100929	-2.46	0.017	-.0451444	-.0045792
st_SD	-.1546908	.0285436	-5.42	0.000	-.2120513	-.0973303
st_TN	-.0565376	.0169524	-3.34	0.002	-.0906048	-.0224704
st_TX	-.0184822	.0064764	-2.85	0.006	-.0314971	-.0054673
st_UT	-.0428147	.0104826	-4.08	0.000	-.0638802	-.0217492
st_VA	-.122938	.0215396	-5.71	0.000	-.1662234	-.0796526
st_VT	-.0837782	.0232962	-3.60	0.001	-.1305937	-.0369627
st_WA	.0165149	.0061544	2.68	0.010	.0041471	.0288826
st_WI	-.0462016	.014652	-3.15	0.003	-.0756459	-.0167574
st_WV	-.0453663	.0091021	-4.98	0.000	-.0636577	-.0270749
st_WY	-.1658384	.0250863	-6.61	0.000	-.2162512	-.1154256
tsd_unemp_mean	-.0476302	.0073954	-6.44	0.000	-.0624917	-.0327687
tsd_unemp_cng	-.0214373	.0097444	-2.20	0.033	-.0410193	-.0018552
pial	.0000322	6.12e-06	5.26	0.000	.0000199	.0000445
pia_miss	.0311491	.0049606	6.28	0.000	.0211804	.0411177
ime1	-.000012	2.24e-06	-5.35	0.000	-.0000165	-7.50e-06
ime_miss	-.0322347	.0053464	-6.03	0.000	-.0429787	-.0214907
_cons	.4592302	.0501835	9.15	0.000	.3583827	.5600778

(1) - imm1_adj - imm3_adj - imm4_adj = 0

twproll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.002081	.0011822	-1.76	0.085	-.0044568 .0002948

(1) imm1_adj + imm3_adj + imm4_adj = .002081

twproll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-3.95e-17	.0011822	-0.00	1.000	-.0023758 .0023758

(1) imm1_adj = 0

(2) imm3_adj = 0

(3) imm4_adj = 0

F(3, 49) = 2.07
Prob > F = 0.1157

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 49) = 3.10
Prob > F = 0.0846

(1) - .5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 49) = 1.99
Prob > F = 0.1643

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
 F(47, 49) = .
 Prob > F = .
 R-squared = 0.0426
 Root MSE = .25329

(Std. Err. adjusted for 50 clusters in tsd_state)

twproll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0002503	.004448	-0.06	0.955	-.0091889	.0086884
imm3_adj	.0004977	.002321	0.21	0.831	-.0041666	.005162
imm4_adj	.0006083	.0020898	0.29	0.772	-.0035912	.0048079
male	-.0030877	.0024141	-1.28	0.207	-.0079391	.0017636
gendermiss_flag	-.0512951	.0049214	-10.42	0.000	-.0611851	-.0414051
tsd_age	-.0028032	.0001935	-14.49	0.000	-.0031921	-.0024143
doage2	-.0001184	.0001761	-0.67	0.504	-.0004724	.0002355
doage2miss_flag	-.075417	.0278787	-2.71	0.009	-.1314414	-.0193927
race_a	.0045148	.0150084	0.30	0.765	-.0256457	.0346753
race_b	.0111032	.0030576	3.63	0.001	.0049587	.0172477
race_h	.001375	.0062344	0.22	0.826	-.0111536	.0139036
race_i	-.0181427	.0099057	-1.83	0.073	-.0380489	.0017635
race_o	-.0275262	.0095803	-2.87	0.006	-.0467786	-.0082739
race_mis	.0015499	.0109212	0.14	0.888	-.020397	.0234968
tsd_edu_hs	.0051878	.0023389	2.22	0.031	.0004876	.0098879
tsd_edu_mrhs	.0233059	.0033436	6.97	0.000	.0165866	.0300252
tsd_edu_mis	.0082609	.003316	2.49	0.016	.0015971	.0149248
tsd_mie_exp	-.0004032	.0048359	-0.08	0.934	-.0101214	.009315
tsd_mie_mis	-.0073955	.0020986	-3.52	0.001	-.0116128	-.0031782
tsd_mie_psbl	.0026751	.003364	0.80	0.430	-.004085	.0094353
tsd_medicare	-.022852	.002498	-9.15	0.000	-.0278718	-.0178321
tsd_medicare_miss	-.0608913	.0043248	-14.08	0.000	-.0695823	-.0522003
tsd_depend_1	-.0084146	.0028035	-3.00	0.004	-.0140485	-.0027807
tsd_depend_2	-.000592	.0034253	-0.17	0.864	-.0074754	.0062915
tsd_depend_miss	-.0486417	.0065694	-7.40	0.000	-.0618434	-.0354401
tsd_vrpr	-.0384471	.0073026	-5.26	0.000	-.0531223	-.0237719
tsd_vrpr_miss	-.0752063	.0068847	-10.92	0.000	-.0890417	-.0613709
pdcgrou2	-.0275761	.0047404	-5.82	0.000	-.0371023	-.0180499
pdcgrou3	-.0233169	.0041131	-5.67	0.000	-.0315825	-.0150512
pdcgrou4	-.0221894	.0043502	-5.10	0.000	-.0309314	-.0134474
pdcgrou5	.003151	.0299084	0.11	0.917	-.0569521	.0632541
cohort2000	-.0111206	.0048371	-2.30	0.026	-.0208412	-.0014001
cohort2001	-.0162064	.0085268	-1.90	0.063	-.0333417	.0009289
cohort2002	-.0132051	.0142998	-0.92	0.360	-.0419417	.0155315
cohort2003	.008318	.0166741	0.50	0.620	-.0251899	.0418258
cohort2004	-.0488608	.0137074	-3.56	0.001	-.0764069	-.0213148
award_b4_tsd	.0263151	.0063168	4.17	0.000	.013621	.0390093
diaward_tsd	-.0008995	.000394	-2.28	0.027	-.0016913	-.0001078
epeb4twp_flag	.0636143	.0678781	0.94	0.353	-.0727918	.2000204
ldwb4twp_flag	.0130966	.0742324	0.18	0.861	-.1360789	.1622722
ldwb4epe_flag	.2694191	.0308306	8.74	0.000	.2074627	.3313754
twpb4tsd	-.078593	.0029167	-26.95	0.000	-.0844543	-.0727317
epeb4tsd	-.0559777	.003122	-17.93	0.000	-.0622517	-.0497037
ldwb4tsd	-.0248303	.0015175	-16.36	0.000	-.0278797	-.0217808
st_AL	.0023749	.0237395	0.10	0.921	-.0453313	.0500812

st_AR	.0258803	.0248809	1.04	0.303	-.0241197	.0758802
st_AZ	.0725458	.0146512	4.95	0.000	.0431032	.1019885
st_CA	.0741589	.0084913	8.73	0.000	.057095	.0912229
st_CO	.0405371	.0221921	1.83	0.074	-.0040596	.0851338
st_CT	-.0062447	.037468	-0.17	0.868	-.0815394	.06905
st_DC	-.01358	.0114508	-1.19	0.241	-.0365912	.0094313
st_DE	-.0000935	.0429858	-0.00	0.998	-.0864767	.0862897
st_FL	.0468323	.0220596	2.12	0.039	.0025019	.0911627
st_GA	.0476346	.0310896	1.53	0.132	-.0148422	.1101114
st_HI	-.0966036	.0431389	-2.24	0.030	-.1832944	-.0099127
st_IA	-.0119102	.0412234	-0.29	0.774	-.0947518	.0709315
st_ID	-.0122315	.0240297	-0.51	0.613	-.0605211	.036058
st_IL	.0828899	.0080851	10.25	0.000	.0666422	.0991376
st_IN	.0021631	.0274098	0.08	0.937	-.0529189	.0572452
st_KS	.0119938	.0263004	0.46	0.650	-.0408588	.0648464
st_KY	.0390207	.0217276	1.80	0.079	-.0046424	.0826839
st_LA	.1085	.0178833	6.07	0.000	.0725622	.1444378
st_MA	.0499395	.0235087	2.12	0.039	.002697	.0971819
st_MD	-.0662253	.03427	-1.93	0.059	-.1350935	.0026429
st_ME	-.0665638	.0360698	-1.85	0.071	-.1390487	.0059211
st_MI	.0475931	.0146133	3.26	0.002	.0182266	.0769596
st_MN	.0129918	.0356184	0.36	0.717	-.0585862	.0845697
st_MO	.0129279	.0245144	0.53	0.600	-.0363356	.0621913
st_MS	.0713997	.0164947	4.33	0.000	.0382524	.104547
st_MT	-.1854693	.0357416	-5.19	0.000	-.2572947	-.1136438
st_NC	.0608614	.0157517	3.86	0.000	.0292073	.0925156
st_ND	0	(omitted)				
st_NE	-.0588388	.0433386	-1.36	0.181	-.1459311	.0282534
st_NH	-.0271169	.0331653	-0.82	0.418	-.0937652	.0395313
st_NJ	.0623869	.0178962	3.49	0.001	.0264232	.0983505
st_NM	.0713438	.0207011	3.45	0.001	.0297433	.1129443
st_NV	.0065191	.0215856	0.30	0.764	-.0368588	.0498969
st_NY	0	(omitted)				
st_OH	.0071882	.0186904	0.38	0.702	-.0303715	.0447479
st_OK	.0081797	.0309943	0.26	0.793	-.0541056	.070465
st_OR	.0885997	.0122833	7.21	0.000	.0639155	.1132838
st_PA	.0029071	.0208449	0.14	0.890	-.0389822	.0447964
st_PR	.2387087	.0656997	3.63	0.001	.1066802	.3707372
st_RI	.0889068	.0291441	3.05	0.004	.0303396	.1474741
st_SC	.0318781	.0179375	1.78	0.082	-.0041687	.0679248
st_SD	-.0637728	.049983	-1.28	0.208	-.1642174	.0366718
st_TN	.0700835	.0292674	2.39	0.021	.0112686	.1288985
st_TX	.0102039	.0106116	0.96	0.341	-.0111208	.0315287
st_UT	.0978425	.0183037	5.35	0.000	.0610599	.1346252
st_VA	-.0238874	.0382381	-0.62	0.535	-.1007297	.0529549
st_VT	-.0002629	.0405093	-0.01	0.995	-.0816693	.0811435
st_WA	.0251721	.0109743	2.29	0.026	.0031184	.0472259
st_WI	.0235513	.0254245	0.93	0.359	-.0275411	.0746438
st_WV	-.023751	.0159273	-1.49	0.142	-.0557581	.008256
st_WY	-.1102955	.0424446	-2.60	0.012	-.1955911	-.0249999
tsd_unemp_mean	-.0318607	.012927	-2.46	0.017	-.0578385	-.0058829
tsd_unemp_cng	-.0152268	.0168144	-0.91	0.370	-.0490167	.018563
pial	.0000477	9.93e-06	4.80	0.000	.0000277	.0000676
pia_miss	.0390421	.0064032	6.10	0.000	.0261743	.0519099
ime1	-.0000165	3.62e-06	-4.57	0.000	-.0000238	-9.25e-06
ime_miss	-.0509429	.0066374	-7.68	0.000	-.0642813	-.0376045
_cons	.4192021	.094186	4.45	0.000	.2299283	.608476

(1) - imm1_adj - imm3_adj - imm4_adj = 0

twproll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
-----------	-------	-----------	---	------	----------------------

	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0008558	.0024324	-0.35	0.726	-.0057439 .0040323

(1) imm1_adj + imm3_adj + imm4_adj = .0008558

	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-3.04e-17	.0024324	-0.00	1.000	-.0048881 .0048881

(1) imm1_adj = 0
 (2) imm3_adj = 0
 (3) imm4_adj = 0

F(3, 49) = 0.08
 Prob > F = 0.9717

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 49) = 0.12
 Prob > F = 0.7265

(1) -.5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 49) = 0.00
 Prob > F = 0.9547

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
 F(47, 49) = .
 Prob > F = .
 R-squared = 0.0544
 Root MSE = .28655

(Std. Err. adjusted for 50 clusters in tsd_state)

twproll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
imm1_adj	.0005949	.005953	0.10	0.921	-.0113681 .0125578
imm3_adj	-.0010158	.0032345	-0.31	0.755	-.0075158 .0054842
imm4_adj	.0008871	.0024386	0.36	0.718	-.0040136 .0057877
male	-.0028396	.002349	-1.21	0.233	-.00756 .0018809
gendermiss_flag	-.0713164	.0048115	-14.82	0.000	-.0809855 -.0616472
tsd_age	-.003556	.0002685	-13.24	0.000	-.0040956 -.0030164
doage2	-.0002283	.0002198	-1.04	0.304	-.00067 .0002135
doage2miss_flag	-.098191	.0366963	-2.68	0.010	-.1719349 -.024447
race_a	.0045402	.0159736	0.28	0.777	-.02756 .0366404
race_b	.0153831	.0034405	4.47	0.000	.0084693 .022297
race_h	.0023172	.0069667	0.33	0.741	-.0116828 .0163172
race_i	-.0114733	.0109587	-1.05	0.300	-.0334956 .010549
race_o	-.0382752	.0125761	-3.04	0.004	-.0635478 -.0130026
race_mis	.0019427	.0133452	0.15	0.885	-.0248754 .0287608
tsd_edu_hs	.0095896	.0031374	3.06	0.004	.0032847 .0158944
tsd_edu_mrhs	.0314761	.0038988	8.07	0.000	.0236412 .039311
tsd_edu_mis	.0080556	.0042348	1.90	0.063	-.0004545 .0165658

tsd_mie_exp	.0056164	.0073585	0.76	0.449	-.009171	.0204038
tsd_mie_mis	-.0067583	.0028418	-2.38	0.021	-.0124692	-.0010474
tsd_mie_psbl	.0058375	.0033504	1.74	0.088	-.0008953	.0125703
tsd_medicare	-.0287199	.0037051	-7.75	0.000	-.0361655	-.0212743
tsd_medicare_miss	-.0788548	.0053494	-14.74	0.000	-.0896048	-.0681047
tsd_depend_1	-.0072621	.0037919	-1.92	0.061	-.0148822	.000358
tsd_depend_2	.0040494	.0044963	0.90	0.372	-.0049863	.0130851
tsd_depend_miss	-.0659822	.0103693	-6.36	0.000	-.08682	-.0451444
tsd_vrpr	-.0563403	.00743	-7.58	0.000	-.0712715	-.0414091
tsd_vrpr_miss	-.1061846	.0060643	-17.51	0.000	-.1183712	-.093998
pdgroup2	-.0348436	.0070731	-4.93	0.000	-.0490576	-.0206296
pdgroup3	-.0261233	.0059146	-4.42	0.000	-.038009	-.0142376
pdgroup4	-.0299829	.0052102	-5.75	0.000	-.0404533	-.0195126
pdgroup5	.0080714	.0277931	0.29	0.773	-.047781	.0639237
cohort2000	-.0109066	.0054161	-2.01	0.050	-.0217906	-.0000226
cohort2001	-.0146318	.0089337	-1.64	0.108	-.0325847	.0033212
cohort2002	-.0152528	.0154196	-0.99	0.327	-.0462397	.0157341
cohort2003	.0480758	.0246608	1.95	0.057	-.0014819	.0976335
cohort2004	-.0229333	.0195671	-1.17	0.247	-.0622548	.0163882
award_b4_tsd	.0318913	.0092696	3.44	0.001	.0132633	.0505192
diaward_tsd	-.0009143	.000375	-2.44	0.018	-.0016678	-.0001607
epeb4twp_flag	.2267126	.098734	2.30	0.026	.0282992	.4251259
ldwb4twp_flag	.0294093	.1304372	0.23	0.823	-.2327139	.2915326
ldwb4epe_flag	.3516014	.0252268	13.94	0.000	.3009062	.4022966
twpb4tsd	-.103631	.0033338	-31.09	0.000	-.1103304	-.0969316
epeb4tsd	-.0735238	.0034673	-21.21	0.000	-.0804915	-.0665561
ldwb4tsd	-.0311867	.0025221	-12.37	0.000	-.0362552	-.0261183
st_AL	.0139195	.0323261	0.43	0.669	-.0510422	.0788812
st_AR	.0409994	.0330063	1.24	0.220	-.0253292	.1073281
st_AZ	.114614	.018722	6.12	0.000	.0769908	.1522372
st_CA	.1237271	.0099661	12.41	0.000	.1036994	.1437547
st_CO	.0788513	.028969	2.72	0.009	.0206358	.1370667
st_CT	.0415263	.051391	0.81	0.423	-.0617478	.1448004
st_DC	-.0012317	.013551	-0.09	0.928	-.0284634	.0260001
st_DE	.0391481	.059245	0.66	0.512	-.0799092	.1582054
st_FL	.0887088	.028209	3.14	0.003	.0320208	.1453969
st_GA	.0839522	.0418731	2.00	0.051	-.0001949	.1680993
st_HI	-.0818936	.0595277	-1.38	0.175	-.201519	.0377319
st_IA	.0316827	.0571802	0.55	0.582	-.0832251	.1465905
st_ID	.0106375	.0330075	0.32	0.749	-.0556936	.0769685
st_IL	.1185427	.009705	12.21	0.000	.0990398	.1380457
st_IN	.0217035	.0365062	0.59	0.555	-.0516585	.0950655
st_KS	.0785344	.0350105	2.24	0.029	.0081783	.1488906
st_KY	.0586221	.0287756	2.04	0.047	.0007954	.1164488
st_LA	.1374057	.0239314	5.74	0.000	.0893137	.1854976
st_MA	.0951054	.0319397	2.98	0.005	.0309201	.1592907
st_MD	-.0476482	.0476092	-1.00	0.322	-.1433224	.0480261
st_ME	-.051022	.0499641	-1.02	0.312	-.1514285	.0493846
st_MI	.1413792	.0178867	7.90	0.000	.1054345	.1773238
st_MN	.0273997	.0481715	0.57	0.572	-.0694045	.1242039
st_MO	.0275861	.033263	0.83	0.411	-.0392583	.0944305
st_MS	.0812035	.0197753	4.11	0.000	.0414635	.1209435
st_MT	.8007133	.0479099	16.71	0.000	.7044348	.8969917
st_NC	.0767627	.0186529	4.12	0.000	.0392783	.1142471
st_ND	0	(omitted)				
st_NE	.0210715	.0604654	0.35	0.729	-.1004382	.1425812
st_NH	-.0007148	.0457235	-0.02	0.988	-.0925996	.09117
st_NJ	.0980109	.0245718	3.99	0.000	.0486321	.1473897
st_NM	.0869192	.0287598	3.02	0.004	.0291242	.1447141
st_NV	.0917096	.0268884	3.41	0.001	.0376752	.1457439
st_NY	0	(omitted)				
st_OH	.0240992	.0247488	0.97	0.335	-.0256354	.0738337
st_OK	.0508684	.0422251	1.20	0.234	-.0339862	.135723

st_OR	.1237138	.0162955	7.59	0.000	.0909667	.1564609
st_PA	.0181014	.0275038	0.66	0.514	-.0371696	.0733724
st_PR	.2421317	.0994576	2.43	0.019	.0422643	.4419992
st_RI	.1014549	.0375304	2.70	0.009	.0260348	.1768751
st_SC	.0655575	.0236634	2.77	0.008	.0180041	.1131109
st_SD	-.0317357	.0700853	-0.45	0.653	-.1725775	.109106
st_TN	.1674756	.03859	4.34	0.000	.0899261	.2450251
st_TX	.0273549	.0125668	2.18	0.034	.0021009	.0526088
st_UT	.1079337	.0230237	4.69	0.000	.0616658	.1542016
st_VA	-.0054422	.0520947	-0.10	0.917	-.1101304	.099246
st_VT	.0494139	.0562149	0.88	0.384	-.0635542	.1623821
st_WA	.0374316	.0146986	2.55	0.014	.0078937	.0669695
st_WI	.0609489	.0337684	1.80	0.077	-.0069113	.1288091
st_WV	-.0170304	.0194833	-0.87	0.386	-.0561835	.0221227
st_WY	-.0976854	.0574216	-1.70	0.095	-.2130785	.0177076
tsd_unemp_mean	-.030034	.0185532	-1.62	0.112	-.067318	.00725
tsd_unemp_cng	-.016413	.0196322	-0.84	0.407	-.0558653	.0230393
pial	.0000704	9.93e-06	7.08	0.000	.0000504	.0000903
pia_miss	.0676876	.0146594	4.62	0.000	.0382284	.0971468
ime1	-.000023	3.89e-06	-5.92	0.000	-.0000309	-.0000152
ime_miss	-.0680457	.0076507	-8.89	0.000	-.0834203	-.0526711
_cons	.4437843	.1314115	3.38	0.001	.179703	.7078656

(1) - imm1_adj - imm3_adj - imm4_adj = 0

twproll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-.0004661	.0028336	-0.16	0.870	-.0061605	.0052282

(1) imm1_adj + imm3_adj + imm4_adj = .0004661

twproll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-1.48e-17	.0028336	-0.00	1.000	-.0056943	.0056943

(1) imm1_adj = 0
(2) imm3_adj = 0
(3) imm4_adj = 0

F(3, 49) = 0.16
Prob > F = 0.9218

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 49) = 0.03
Prob > F = 0.8700

(1) - .5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 49) = 0.19
Prob > F = 0.6654

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH1NONY_unemp.xls
dir : seeout
note: st_ND omitted because of collinearity
note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
 F(47, 49) = .
 Prob > F = .
 R-squared = 0.0633
 Root MSE = .30876

(Std. Err. adjusted for 50 clusters in tsd_state)

twproll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0023304	.0067691	-0.34	0.732	-.0159334	.0112725
imm3_adj	.0009309	.0032414	0.29	0.775	-.0055829	.0074447
imm4_adj	.0007675	.003594	0.21	0.832	-.0064549	.0079899
male	-.0046511	.003252	-1.43	0.159	-.0111862	.001884
gendermiss_flag	-.0843003	.0046708	-18.05	0.000	-.0936867	-.074914
tsd_age	-.0043573	.0002975	-14.65	0.000	-.0049551	-.0037595
doage2	-8.48e-06	.0002021	-0.04	0.967	-.0004146	.0003977
doage2miss_flag	-.1097574	.0414788	-2.65	0.011	-.193112	-.0264027
race_a	-.0030655	.016957	-0.18	0.857	-.0371419	.031011
race_b	.0192922	.004002	4.82	0.000	.0112499	.0273345
race_h	-.00001	.0080653	-0.00	0.999	-.0162177	.0161977
race_i	-.0194065	.0124967	-1.55	0.127	-.0445195	.0057066
race_o	-.0396808	.0177454	-2.24	0.030	-.0753416	-.0040201
race_mis	-.0088963	.0129605	-0.69	0.496	-.0349415	.0171489
tsd_edu_hs	.0092525	.0036685	2.52	0.015	.0018805	.0166246
tsd_edu_mrhs	.0345245	.0045713	7.55	0.000	.025338	.0437109
tsd_edu_mis	.0086304	.0054489	1.58	0.120	-.0023195	.0195802
tsd_mie_exp	.0037231	.0083076	0.45	0.656	-.0129716	.0204178
tsd_mie_mis	-.0057891	.0035176	-1.65	0.106	-.012858	.0012798
tsd_mie_psbl	.0053454	.0033917	1.58	0.121	-.0014705	.0121614
tsd_medicare	-.0320963	.0046022	-6.97	0.000	-.0413447	-.0228478
tsd_medicare_miss	-.0907069	.0066169	-13.71	0.000	-.104004	-.0774097
tsd_depend_1	-.0053415	.0037194	-1.44	0.157	-.012816	.0021329
tsd_depend_2	.0072699	.0048903	1.49	0.144	-.0025575	.0170973
tsd_depend_miss	-.0713038	.0133058	-5.36	0.000	-.0980429	-.0445647
tsd_vrpr	-.0820843	.0084544	-9.71	0.000	-.0990741	-.0650945
tsd_vrpr_miss	-.1363249	.0049861	-27.34	0.000	-.1463449	-.1263049
pdcgrou2	-.03885	.0086382	-4.50	0.000	-.0562091	-.021491
pdcgrou3	-.0258949	.005745	-4.51	0.000	-.0374398	-.0143499
pdcgrou4	-.0337046	.0058603	-5.75	0.000	-.0454813	-.0219278
pdcgrou5	-.0034837	.0283079	-0.12	0.903	-.0603705	.0534031
cohort2000	-.0110891	.0062191	-1.78	0.081	-.0235868	.0014087
cohort2001	-.0190571	.0092697	-2.06	0.045	-.0376853	-.0004288
cohort2002	-.0229344	.018776	-1.22	0.228	-.0606663	.0147974
cohort2003	.0630971	.025676	2.46	0.018	.0114992	.114695
cohort2004	-.0059059	.0304536	-0.19	0.847	-.0671048	.0552929
award_b4_tsd	.0419034	.014031	2.99	0.004	.0137071	.0700996
diaward_tsd	-.0009051	.0003654	-2.48	0.017	-.0016394	-.0001707
epeb4twp_flag	.4284988	.126017	3.40	0.001	.1752582	.6817395
ldwb4twp_flag	-.0272031	.1113173	-0.24	0.808	-.2509036	.1964973
ldwb4epe_flag	.4099038	.0472817	8.67	0.000	.3148877	.5049199
twpb4tsd	-.1239749	.0042935	-28.88	0.000	-.1326029	-.1153469
epeb4tsd	-.0877029	.0041491	-21.14	0.000	-.0960408	-.0793651
ldwb4tsd	-.0386346	.0030846	-12.53	0.000	-.0448332	-.0324359
st_AL	-.0859011	.0313371	-2.74	0.009	-.1488754	-.0229268
st_AR	-.0551666	.0311243	-1.77	0.083	-.1177131	.00738
st_AZ	.0337367	.0176476	1.91	0.062	-.0017275	.069201
st_CA	.0170136	.0114636	1.48	0.144	-.0060233	.0400506
st_CO	-.0061057	.0283126	-0.22	0.830	-.063002	.0507907
st_CT	-.0213676	.0451515	-0.47	0.638	-.1121029	.0693677
st_DC	.2252145	.0169776	13.27	0.000	.1910968	.2593322
st_DE	-.0329053	.0550953	-0.60	0.553	-.1436234	.0778128

st_FL	.0065632	.0295447	0.22	0.825	-.0528091	.0659355
st_GA	-.0094851	.0398396	-0.24	0.813	-.0895457	.0705755
st_HI	-.1637038	.0591212	-2.77	0.008	-.2825122	-.0448954
st_IA	-.0309174	.0515738	-0.60	0.552	-.1345588	.0727241
st_ID	-.0827399	.0310197	-2.67	0.010	-.1450764	-.0204034
st_IL	.0282927	.0108657	2.60	0.012	.0064572	.0501282
st_IN	-.0691853	.0355209	-1.95	0.057	-.1405672	.0021966
st_KS	-.0169174	.0321079	-0.53	0.601	-.0814406	.0476058
st_KY	-.0365171	.0277091	-1.32	0.194	-.0922006	.0191663
st_LA	.0455753	.0231071	1.97	0.054	-.0008602	.0920107
st_MA	.024154	.0282358	0.86	0.396	-.032588	.080896
st_MD	-.0774726	.0453459	-1.71	0.094	-.1685985	.0136534
st_ME	-.142427	.0445248	-3.20	0.002	-.231903	-.0529509
st_MI	.0371183	.0194599	1.91	0.062	-.0019879	.0762246
st_MN	-.060982	.0461374	-1.32	0.192	-.1536986	.0317345
st_MO	-.0230714	.0313673	-0.74	0.466	-.0861064	.0399636
st_MS	-.0274145	.0247294	-1.11	0.273	-.0771101	.022281
st_MT	.6786018	.0464105	14.62	0.000	.5853365	.7718672
st_NC	-.0012287	.023312	-0.05	0.958	-.0480759	.0456185
st_ND	0	(omitted)				
st_NE	-.0561745	.0552113	-1.02	0.314	-.1671257	.0547766
st_NH	-.0272593	.0403964	-0.67	0.503	-.1084389	.0539202
st_NJ	.0359971	.0234975	1.53	0.132	-.0112228	.083217
st_NM	-.0116747	.0255527	-0.46	0.650	-.0630248	.0396754
st_NV	.0298453	.0303818	0.98	0.331	-.0312093	.0908998
st_NY	0	(omitted)				
st_OH	-.0469519	.0233985	-2.01	0.050	-.093973	.0000693
st_OK	-.021711	.0386399	-0.56	0.577	-.0993609	.0559388
st_OR	.0380846	.0197392	1.93	0.059	-.0015828	.0777519
st_PA	-.0802699	.0265134	-3.03	0.004	-.1335505	-.0269892
st_PR	.1624013	.0902648	1.80	0.078	-.0189927	.3437953
st_RI	.0018867	.0348783	0.05	0.957	-.0682039	.0719773
st_SC	-.022237	.0237042	-0.94	0.353	-.0698724	.0253983
st_SD	-.1024143	.0635239	-1.61	0.113	-.2300704	.0252418
st_TN	.0728716	.0396021	1.84	0.072	-.0067118	.1524549
st_TX	-.0781596	.0125983	-6.20	0.000	-.1034768	-.0528423
st_UT	.0038856	.0214301	0.18	0.857	-.0391798	.046951
st_VA	-.0933232	.0478592	-1.95	0.057	-.1894997	.0028534
st_VT	-.0033131	.0502942	-0.07	0.948	-.104383	.0977568
st_WA	-.0102611	.0183161	-0.56	0.578	-.0470687	.0265465
st_WI	-.0160493	.032482	-0.49	0.623	-.0813242	.0492257
st_WV	-.1262055	.0172791	-7.30	0.000	-.1609291	-.0914819
st_WY	-.1874395	.0539384	-3.48	0.001	-.2958327	-.0790462
tsd_unemp_mean	-.0217398	.0168552	-1.29	0.203	-.0556115	.012132
tsd_unemp_cng	-.0098552	.0252487	-0.39	0.698	-.0605943	.0408839
pia1	.0000847	.0000126	6.75	0.000	.0000595	.000011
pia_miss	.0796341	.0167586	4.75	0.000	.0459563	.1133118
ime1	-.0000278	4.52e-06	-6.14	0.000	-.0000369	-.0000187
ime_miss	-.0831678	.0072995	-11.39	0.000	-.0978368	-.0684989
_cons	.5485704	.1187561	4.62	0.000	.3099212	.7872197

(1) - imm1_adj - imm3_adj - imm4_adj = 0

twproll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.000632	.0034949	0.18	0.857	-.0063912 .0076552

(1) imm1_adj + imm3_adj + imm4_adj = -.000632

twproll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	3.60e-17	.0034949	0.00	1.000	-.0070232	.0070232

- (1) imm1_adj = 0
- (2) imm3_adj = 0
- (3) imm4_adj = 0

F(3, 49) = 0.04
 Prob > F = 0.9879

- (1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 49) = 0.03
 Prob > F = 0.8572

- (1) -.5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 49) = 0.09
 Prob > F = 0.7676

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
 F(46, 49) = .
 Prob > F = .
 R-squared = 0.2523
 Root MSE = .15815

(Std. Err. adjusted for 50 clusters in tsd_state)

srvroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0008572	.0016753	-0.51	0.611	-.0042238	.0025095
imm3_adj	.0017787	.0015884	1.12	0.268	-.0014134	.0049708
imm4_adj	.0001066	.0009833	0.11	0.914	-.0018694	.0020826
male	.0015632	.0018349	0.85	0.398	-.0021242	.0052506
gendermiss_flag	.0012758	.0023819	0.54	0.595	-.0035109	.0060624
tsd_age	-.0003459	.000174	-1.99	0.052	-.0006955	3.82e-06
doage2	-.0001259	.0001699	-0.74	0.462	-.0004674	.0002156
doage2miss_flag	-.0182293	.009347	-1.95	0.057	-.0370127	.0005542
race_a	-.0007742	.0067295	-0.12	0.909	-.0142976	.0127493
race_b	.0005287	.0016472	0.32	0.750	-.0027815	.0038388
race_h	-.0063244	.0019645	-3.22	0.002	-.0102722	-.0023767
race_i	-.0047319	.0115813	-0.41	0.685	-.0280053	.0185416
race_o	-.006726	.0135986	-0.49	0.623	-.0340534	.0206015
race_mis	-.0039146	.0073722	-0.53	0.598	-.0187297	.0109005
tsd_edu_hs	.002725	.0016612	1.64	0.107	-.0006132	.0060633
tsd_edu_mrhs	.0084699	.0025307	3.35	0.002	.0033843	.0135554
tsd_edu_mis	.0016132	.0024545	0.66	0.514	-.0033194	.0065458
tsd_mie_exp	-.0048115	.0085015	-0.57	0.574	-.0218958	.0122728
tsd_mie_mis	-.0062956	.0032752	-1.92	0.060	-.0128774	.0002862
tsd_mie_psbl	-.0054432	.0041126	-1.32	0.192	-.0137078	.0028215
tsd_medicare	-.0021561	.0015747	-1.37	0.177	-.0053205	.0010083
tsd_medicare_miss	-.00869	.0053335	-1.63	0.110	-.019408	.0020281
tsd_depend_1	-.0014582	.0015754	-0.93	0.359	-.004624	.0017076
tsd_depend_2	-.0024434	.001477	-1.65	0.104	-.0054115	.0005247

tsd_depend_miss	-.0093496	.0042114	-2.22	0.031	-.0178128	-.0008864
tsd_vrpr	-.337304	.0092593	-36.43	0.000	-.3559112	-.3186968
tsd_vrpr_miss	-.3651317	.0128418	-28.43	0.000	-.3909382	-.3393251
pdcgrou2	.0005698	.0026804	0.21	0.833	-.0048165	.0059562
pdcgrou3	.0011298	.0025757	0.44	0.663	-.0040463	.006306
pdcgrou4	.0056079	.0016559	3.39	0.001	.0022803	.0089355
pdcgrou5	.0124137	.0249999	0.50	0.622	-.0378254	.0626528
cohort2000	-.0065046	.0027911	-2.33	0.024	-.0121135	-.0008958
cohort2001	-.0121466	.0044568	-2.73	0.009	-.0211029	-.0031902
cohort2002	-.017461	.0071097	-2.46	0.018	-.0317485	-.0031735
cohort2003	-.0427362	.0118749	-3.60	0.001	-.0665997	-.0188727
cohort2004	-.0483883	.0095346	-5.08	0.000	-.0675487	-.0292279
award_b4_tsd	-.0009635	.0065356	-0.15	0.883	-.0140973	.0121703
diaward_tsd	-.0006131	.0001747	-3.51	0.001	-.0009642	-.000262
epeb4twp_flag	-.021968	.0237551	-0.92	0.360	-.0697057	.0257697
ldwb4twp_flag	-.0957602	.0349857	-2.74	0.009	-.1660667	-.0254538
ldwb4epe_flag	.023817	.0271402	0.88	0.384	-.0307232	.0783572
twpb4tsd	.0082622	.0023032	3.59	0.001	.0036337	.0128906
epeb4tsd	-.0008574	.0043029	-0.20	0.843	-.0095045	.0077897
ldwb4tsd	.0020955	.0071761	0.29	0.772	-.0123255	.0165165
st_AL	-.1139286	.015319	-7.44	0.000	-.1447133	-.0831438
st_AR	-.0454653	.0155333	-2.93	0.005	-.0766805	-.0142501
st_AZ	-.0242175	.0101042	-2.40	0.020	-.0445227	-.0039123
st_CA	-.0356372	.00586	-6.08	0.000	-.0474132	-.0238612
st_CO	-.0213512	.0141763	-1.51	0.138	-.0498396	.0071371
st_CT	-.0287122	.022448	-1.28	0.207	-.0738231	.0163987
st_DC	-.0439448	.0059847	-7.34	0.000	-.0559715	-.0319182
st_DE	.0075368	.0265972	0.28	0.778	-.0459123	.0609859
st_FL	-.0156678	.0139508	-1.12	0.267	-.043703	.0123673
st_GA	-.0217278	.0194043	-1.12	0.268	-.0607221	.0172665
st_HI	-.0184664	.0259509	-0.71	0.480	-.0706167	.0336839
st_IA	-.0098701	.0251483	-0.39	0.696	-.0604075	.0406672
st_ID	-.0215898	.0152607	-1.41	0.163	-.0522573	.0090777
st_IL	-.0122674	.0061802	-1.98	0.053	-.024687	.0001522
st_IN	.012057	.0173716	0.69	0.491	-.0228524	.0469665
st_KS	-.0416421	.016514	-2.52	0.015	-.0748282	-.0084559
st_KY	-.0262284	.0134492	-1.95	0.057	-.0532555	.0007987
st_LA	-.026306	.0131281	-2.00	0.051	-.052688	.000076
st_MA	-.0213659	.0151425	-1.41	0.165	-.051796	.0090642
st_MD	-.0052676	.0219424	-0.24	0.811	-.0493625	.0388274
st_ME	-.0186389	.0230823	-0.81	0.423	-.0650246	.0277467
st_MI	.0142535	.0092508	1.54	0.130	-.0043368	.0328437
st_MN	-.0356661	.0218075	-1.64	0.108	-.0794899	.0081577
st_MO	-.0730852	.0156405	-4.67	0.000	-.1045159	-.0416544
st_MS	-.0551796	.0088103	-6.26	0.000	-.0728846	-.0374746
st_MT	-.3845234	.0205487	-18.71	0.000	-.4258176	-.3432291
st_NC	-.0310447	.0082929	-3.74	0.000	-.0477099	-.0143794
st_ND	0	(omitted)				
st_NE	-.0145912	.0282886	-0.52	0.608	-.0714393	.042257
st_NH	-.0437499	.0200155	-2.19	0.034	-.0839726	-.0035273
st_NJ	.022835	.011941	1.91	0.062	-.0011614	.0468314
st_NM	-.0239864	.0142722	-1.68	0.099	-.0526675	.0046947
st_NV	-.0333802	.0127397	-2.62	0.012	-.0589816	-.0077788
st_NY	0	(omitted)				
st_OH	-.0481021	.0116261	-4.14	0.000	-.0714656	-.0247386
st_OK	-.0013455	.0197561	-0.07	0.946	-.0410468	.0383558
st_OR	-.0315631	.0040975	-7.70	0.000	-.0397973	-.0233289
st_PA	-.0592531	.0136395	-4.34	0.000	-.0866627	-.0318435
st_PR	-.0388495	.0386021	-1.01	0.319	-.1164232	.0387243
st_RI	-.0713024	.0162999	-4.37	0.000	-.1040582	-.0385465
st_SC	-.0129471	.0121032	-1.07	0.290	-.0372694	.0113751
st_SD	-.0110841	.0315584	-0.35	0.727	-.0745032	.0523349
st_TN	-.0560799	.0175839	-3.19	0.002	-.091416	-.0207437

st_TX	-.0149434	.0081779	-1.83	0.074	-.0313775	.0014906
st_UT	-.098465	.0116193	-8.47	0.000	-.1218149	-.075115
st_VA	-.0030666	.0244677	-0.13	0.901	-.0522362	.0461031
st_VT	.0017993	.0244004	0.07	0.942	-.0472352	.0508338
st_WA	-.0802708	.0041575	-19.31	0.000	-.0886256	-.0719161
st_WI	.0073544	.0161045	0.46	0.650	-.0250088	.0397177
st_WV	-.0964303	.0100479	-9.60	0.000	-.1166222	-.0762383
st_WY	-.0146973	.0260759	-0.56	0.576	-.0670987	.0377042
tsd_unemp_mean	.0049013	.0075539	0.65	0.519	-.0102789	.0200814
tsd_unemp_cng	.0031798	.0066034	0.48	0.632	-.0100903	.0164499
pial	.0000161	8.71e-06	1.85	0.071	-1.43e-06	.0000336
pia_miss	.0136319	.0067563	2.02	0.049	.0000547	.0272092
ime1	-4.68e-06	2.78e-06	-1.68	0.099	-.0000103	9.12e-07
ime_miss	-.0081803	.003562	-2.30	0.026	-.0153385	-.0010221
_cons	.3847255	.0536429	7.17	0.000	.2769261	.4925249

(1) - imm1_adj - imm3_adj - imm4_adj = 0

srvroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0010281	.0013683	-0.75	0.456	-.0037779 .0017216

(1) imm1_adj + imm3_adj + imm4_adj = .0010281

srvroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	1.54e-17	.0013683	0.00	1.000	-.0027498 .0027498

(1) imm1_adj = 0
(2) imm3_adj = 0
(3) imm4_adj = 0

F(3, 49) = 0.73
Prob > F = 0.5383

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 49) = 0.56
Prob > F = 0.4560

(1) -.5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 49) = 0.85
Prob > F = 0.3610

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH1NONY_unemp.xls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
F(46, 49) = .
Prob > F = .
R-squared = 0.4013
Root MSE = .17876

(Std. Err. adjusted for 50 clusters in tsd_state)

srvroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0000556	.0029319	0.02	0.985	-.0058362	.0059474
imm3_adj	.0010059	.0025142	0.40	0.691	-.0040466	.0060583
imm4_adj	-.0001964	.0012859	-0.15	0.879	-.0027806	.0023877
male	.0018419	.0013488	1.37	0.178	-.0008686	.0045524
gendermiss_flag	-.0040371	.0031484	-1.28	0.206	-.010364	.0022898
tsd_age	-.000745	.0002961	-2.52	0.015	-.00134	-.0001501
doage2	-.0001076	.0003002	-0.36	0.722	-.0007109	.0004957
doage2miss_flag	-.0247483	.0174767	-1.42	0.163	-.059869	.0103724
race_a	.001593	.0072012	0.22	0.826	-.0128784	.0160644
race_b	-.0028252	.0019667	-1.44	0.157	-.0067775	.0011271
race_h	-.0073376	.0026372	-2.78	0.008	-.0126371	-.002038
race_i	-.0024581	.0066849	-0.37	0.715	-.015892	.0109758
race_o	-.0003632	.0093483	-0.04	0.969	-.0191494	.018423
race_mis	.0001713	.0077879	0.02	0.983	-.015479	.0158217
tsd_edu_hs	.0030171	.0020597	1.46	0.149	-.001122	.0071562
tsd_edu_mrhs	.0123834	.0024915	4.97	0.000	.0073765	.0173904
tsd_edu_mis	.0016795	.0016866	1.00	0.324	-.0017099	.0050689
tsd_mie_exp	-.0040663	.0113536	-0.36	0.722	-.0268822	.0187497
tsd_mie_mis	-.0055417	.0038104	-1.45	0.152	-.0131991	.0021156
tsd_mie_psbl	-.0038832	.0052492	-0.74	0.463	-.0144319	.0066654
tsd_medicare	-.0016401	.0022501	-0.73	0.470	-.0061619	.0028817
tsd_medicare_miss	-.0068592	.0041846	-1.64	0.108	-.0152686	.0015501
tsd_depend_1	-.0019281	.0025263	-0.76	0.449	-.0070048	.0031486
tsd_depend_2	-.0015328	.0023242	-0.66	0.513	-.0062034	.0031378
tsd_depend_miss	-.0045997	.0055454	-0.83	0.411	-.0157435	.0065442
tsd_vrpr	-.5344987	.0099006	-53.99	0.000	-.5543947	-.5146027
tsd_vrpr_miss	-.5846546	.01254	-46.62	0.000	-.6098546	-.5594546
pdcgrou2	-.0000504	.0036915	-0.01	0.989	-.0074688	.007368
pdcgrou3	.0049133	.0030927	1.59	0.119	-.0013017	.0111283
pdcgrou4	.0077725	.0026715	2.91	0.005	.0024039	.013141
pdcgrou5	-.000062	.0290481	-0.00	0.998	-.0584363	.0583124
cohort2000	-.0056852	.0030692	-1.85	0.070	-.0118529	.0004826
cohort2001	-.0110951	.0051339	-2.16	0.036	-.0214121	-.0007781
cohort2002	-.0146351	.0076778	-1.91	0.063	-.0300643	.0007941
cohort2003	-.0525983	.009408	-5.59	0.000	-.0715044	-.0336921
cohort2004	-.076244	.0092231	-8.27	0.000	-.0947786	-.0577095
award_b4_tsd	.0000217	.0058747	0.00	0.997	-.011784	.0118275
diaward_tsd	-.000614	.0001836	-3.34	0.002	-.000983	-.0002451
epeb4twp_flag	-.0391921	.0381302	-1.03	0.309	-.1158176	.0374334
ldwb4twp_flag	-.1484535	.0499853	-2.97	0.005	-.2489026	-.0480043
ldwb4epe_flag	.01208	.028172	0.43	0.670	-.0445338	.0686939
twpb4tsd	.0103245	.0026508	3.89	0.000	.0049975	.0156515
epeb4tsd	-.0055206	.0063105	-0.87	0.386	-.0182019	.0071608
ldwb4tsd	.009003	.0083361	1.08	0.285	-.0077489	.025755
st_AL	-.07986	.0195937	-4.08	0.000	-.119235	-.040485
st_AR	-.0251769	.020055	-1.26	0.215	-.0654789	.015125
st_AZ	.0259934	.0125737	2.07	0.044	.0007256	.0512612
st_CA	.0145779	.0082897	1.76	0.085	-.0020808	.0312366
st_CO	.0289043	.0186357	1.55	0.127	-.0085456	.0663541
st_CT	.0252232	.0235996	1.07	0.290	-.022202	.0726484
st_DC	-.0091143	.0100174	-0.91	0.367	-.029245	.0110164
st_DE	.0314972	.0329689	0.96	0.344	-.0347563	.0977506
st_FL	.0315063	.0192665	1.64	0.108	-.0072111	.0702237
st_GA	.0287635	.0246735	1.17	0.249	-.0208197	.0783467
st_HI	.0030912	.0362514	0.09	0.932	-.0697588	.0759412
st_IA	.0281348	.0296695	0.95	0.348	-.0314883	.087758
st_ID	.0174659	.0186815	0.93	0.354	-.0200759	.0550077
st_IL	.0450841	.0082027	5.50	0.000	.0286002	.0615679
st_IN	.082167	.0230237	3.57	0.001	.0358992	.1284349

st_KS	-.0181182	.0207319	-0.87	0.386	-.0597804	.0235441
st_KY	.0125188	.018596	0.67	0.504	-.0248513	.0498888
st_LA	.0174174	.0162455	1.07	0.289	-.0152292	.050064
st_MA	.0199725	.0169958	1.18	0.246	-.0141818	.0541268
st_MD	-.0017385	.0272222	-0.06	0.949	-.0564436	.0529666
st_ME	.0103621	.0256616	0.40	0.688	-.0412069	.061931
st_MI	.0599103	.0128539	4.66	0.000	.0340794	.0857413
st_MN	-.0184244	.0281603	-0.65	0.516	-.0750145	.0381658
st_MO	.0019607	.0193545	0.10	0.920	-.0369337	.0408551
st_MS	-.0256341	.0138987	-1.84	0.071	-.0535645	.0022963
st_MT	-.5726592	.0268558	-21.32	0.000	-.626628	-.5186903
st_NC	.0237957	.0132653	1.79	0.079	-.0028619	.0504534
st_ND	0	(omitted)				
st_NE	.0105037	.0337057	0.31	0.757	-.0572304	.0782377
st_NH	.0301169	.0233011	1.29	0.202	-.0167083	.0769421
st_NJ	.0930342	.0146878	6.33	0.000	.0635179	.1225505
st_NM	.0136888	.0164911	0.83	0.411	-.0194513	.0468288
st_NV	-.020395	.0189747	-1.07	0.288	-.058526	.0177361
st_NY	0	(omitted)				
st_OH	.038322	.0151829	2.52	0.015	.0078107	.0688332
st_OK	.0410387	.0240376	1.71	0.094	-.0072667	.0893441
st_OR	.0259811	.0060528	4.29	0.000	.0138176	.0381446
st_PA	-.0193452	.0171175	-1.13	0.264	-.0537442	.0150538
st_PR	.0629826	.0423428	1.49	0.143	-.0221085	.1480737
st_RI	-.0673567	.0192973	-3.49	0.001	-.1061361	-.0285772
st_SC	.0349323	.0158857	2.20	0.033	.0030088	.0668558
st_SD	.007109	.0386781	0.18	0.855	-.0706176	.0848357
st_TN	-.0026714	.0248504	-0.11	0.915	-.0526102	.0472675
st_TX	.0157548	.010022	1.57	0.122	-.0043851	.0358948
st_UT	-.1042344	.0138735	-7.51	0.000	-.1321141	-.0763546
st_VA	.0087754	.0293221	0.30	0.766	-.0501495	.0677004
st_VT	.0522927	.0280603	1.86	0.068	-.0040965	.108682
st_WA	-.0559987	.0063498	-8.82	0.000	-.0687591	-.0432384
st_WI	.0493551	.0210818	2.34	0.023	.0069896	.0917206
st_WV	-.0994158	.0123043	-8.08	0.000	-.1241423	-.0746893
st_WY	.0122897	.0326681	0.38	0.708	-.0533594	.0779388
tsd_unemp_mean	-.0036457	.0085299	-0.43	0.671	-.0207871	.0134957
tsd_unemp_cng	-.0032386	.0110285	-0.29	0.770	-.0254013	.018924
pial	.0000275	.0000131	2.10	0.041	1.21e-06	.0000538
pia_miss	.0177198	.0102478	1.73	0.090	-.002874	.0383136
ime1	-.00001	3.61e-06	-2.77	0.008	-.0000173	-2.75e-06
ime_miss	-.0157254	.0045689	-3.44	0.001	-.0249069	-.0065438
_cons	.6160384	.0669633	9.20	0.000	.4814706	.7506062

(1) - imm1_adj - imm3_adj - imm4_adj = 0

srvroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-.000865	.0017001	-0.51	0.613	-.0042814	.0025514

(1) imm1_adj + imm3_adj + imm4_adj = .000865

srvroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	2.53e-17	.0017001	0.00	1.000	-.0034164	.0034164

(1) imm1_adj = 0

(2) imm3_adj = 0

```

( 3) imm4_adj = 0

      F( 3, 49) = 0.15
      Prob > F = 0.9293

( 1) imm1_adj + imm3_adj + imm4_adj = 0

      F( 1, 49) = 0.26
      Prob > F = 0.6132

( 1) -.5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

      F( 1, 49) = 0.10
      Prob > F = 0.7549

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH1NONY_unemp.xls
dir : seeout
note: st_ND omitted because of collinearity
note: st_NY omitted because of collinearity

```

```

Linear regression                                Number of obs = 43043
                                                F( 47, 49) = .
                                                Prob > F = .
                                                R-squared = 0.5209
                                                Root MSE = .1797

```

(Std. Err. adjusted for 50 clusters in tsd_state)

-----	-----	-----	-----	-----	-----	-----
srvroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
-----	-----	-----	-----	-----	-----	-----
imm1_adj	.0035565	.0032244	1.10	0.275	-.0029231	.0100362
imm3_adj	-.0000815	.0022814	-0.04	0.972	-.0046662	.0045032
imm4_adj	-.0002259	.0013499	-0.17	0.868	-.0029387	.0024869
male	.0013883	.0018444	0.75	0.455	-.0023182	.0050948
gendermiss_flag	-.0035661	.0033808	-1.05	0.297	-.0103601	.0032279
tsd_age	-.0009658	.0003067	-3.15	0.003	-.0015822	-.0003495
doage2	-.000139	.0003162	-0.44	0.662	-.0007745	.0004964
doage2miss_flag	-.0296783	.0212684	-1.40	0.169	-.0724187	.013062
race_a	.0040217	.0053567	0.75	0.456	-.0067431	.0147864
race_b	-.0029417	.0019496	-1.51	0.138	-.0068594	.0009761
race_h	-.0075578	.0036969	-2.04	0.046	-.0149871	-.0001285
race_i	-.0081889	.0066201	-1.24	0.222	-.0214925	.0051147
race_o	-.0099505	.0085458	-1.16	0.250	-.0271241	.007223
race_mis	-.0069456	.0094412	-0.74	0.465	-.0259185	.0120273
tsd_edu_hs	.0020196	.0016572	1.22	0.229	-.0013107	.0053498
tsd_edu_mrhs	.0149676	.0027311	5.48	0.000	.0094793	.0204558
tsd_edu_mis	-.0019205	.0020483	-0.94	0.353	-.0060366	.0021957
tsd_mie_exp	-.007262	.0097222	-0.75	0.459	-.0267994	.0122755
tsd_mie_mis	-.0070455	.0025949	-2.72	0.009	-.0122602	-.0018308
tsd_mie_psbl	-.0043353	.0042177	-1.03	0.309	-.0128112	.0041406
tsd_medicare	.0011355	.0019673	0.58	0.566	-.0028179	.0050889
tsd_medicare_miss	-.0120895	.0044427	-2.72	0.009	-.0210176	-.0031615
tsd_depend_1	-.0034365	.002718	-1.26	0.212	-.0088986	.0020255
tsd_depend_2	-.0021776	.0026262	-0.83	0.411	-.0074552	.0031
tsd_depend_miss	.0001577	.0059256	0.03	0.979	-.0117503	.0120656
tsd_vrpr	-.6870211	.0083519	-82.26	0.000	-.7038048	-.6702374
tsd_vrpr_miss	-.7497165	.010407	-72.04	0.000	-.7706301	-.7288029
pdcgrou2	-.0006492	.0031465	-0.21	0.837	-.0069724	.005674
pdcgrou3	.0043088	.0031307	1.38	0.175	-.0019827	.0106003
pdcgrou4	.0068309	.0021679	3.15	0.003	.0024744	.0111875
pdcgrou5	.0134082	.026657	0.50	0.617	-.0401611	.0669774

cohort2000	-.0032516	.0029548	-1.10	0.277	-.0091895	.0026863
cohort2001	-.0054155	.0041515	-1.30	0.198	-.0137582	.0029272
cohort2002	-.0079665	.008556	-0.93	0.356	-.0251605	.0092275
cohort2003	-.0296404	.0125473	-2.36	0.022	-.0548553	-.0044256
cohort2004	-.0471251	.0137369	-3.43	0.001	-.0747303	-.0195198
award_b4_tsd	-.0050865	.0068888	-0.74	0.464	-.0189301	.0087572
diaward_tsd	-.0005336	.0001359	-3.92	0.000	-.0008067	-.0002604
epeb4twp_flag	-.0837628	.0391396	-2.14	0.037	-.1624167	-.0051089
ldwb4twp_flag	.0008773	.0395518	0.02	0.982	-.0786049	.0803596
ldwb4epe_flag	.0124425	.0220202	0.57	0.575	-.0318087	.0566937
twpb4tsd	.0074912	.0029428	2.55	0.014	.0015773	.013405
epeb4tsd	-.0077136	.0063447	-1.22	0.230	-.0204637	.0050365
ldwb4tsd	.0111941	.0074028	1.51	0.137	-.0036823	.0260705
st_AL	-.2385953	.0328347	-7.27	0.000	-.304579	-.1726115
st_AR	-.1562137	.0321861	-4.85	0.000	-.2208941	-.0915334
st_AZ	-.068068	.0191974	-3.55	0.001	-.1066466	-.0294894
st_CA	-.065415	.0102581	-6.38	0.000	-.0860295	-.0448005
st_CO	-.0830117	.0291451	-2.85	0.006	-.141581	-.0244424
st_CT	-.104422	.043643	-2.39	0.021	-.1921259	-.0167181
st_DC	.2277134	.011272	20.20	0.000	.2050615	.2503653
st_DE	-.1064206	.055731	-1.91	0.062	-.2184162	.0055751
st_FL	-.0801022	.0284898	-2.81	0.007	-.1373547	-.0228497
st_GA	-.103941	.0402517	-2.58	0.013	-.1848298	-.0230522
st_HI	-.1454339	.0568893	-2.56	0.014	-.2597573	-.0311105
st_IA	-.1031029	.0527011	-1.96	0.056	-.2090098	.002804
st_ID	-.0996236	.030441	-3.27	0.002	-.160797	-.0384502
st_IL	-.0421178	.0111524	-3.78	0.000	-.0645294	-.0197062
st_IN	-.0403673	.0363991	-1.11	0.273	-.113514	.0327794
st_KS	-.0984161	.0338653	-2.91	0.005	-.1664709	-.0303613
st_KY	-.1002102	.0276987	-3.62	0.001	-.1558728	-.0445475
st_LA	-.0877918	.0252465	-3.48	0.001	-.1385264	-.0370571
st_MA	-.0876722	.029213	-3.00	0.004	-.1463779	-.0289665
st_MD	-.1537906	.0465279	-3.31	0.002	-.2472918	-.0602894
st_ME	-.1213995	.0457169	-2.66	0.011	-.2132711	-.0295279
st_MI	-.0357727	.0186899	-1.91	0.061	-.0733314	.0017861
st_MN	-.0829476	.0463557	-1.79	0.080	-.1761028	.0102076
st_MO	-.1406073	.0329009	-4.27	0.000	-.2067242	-.0744904
st_MS	-.1418543	.0175983	-8.06	0.000	-.1772195	-.1064892
st_MT	.1379381	.0466948	2.95	0.005	.0441013	.2317748
st_NC	-.090748	.0167943	-5.40	0.000	-.1244974	-.0569987
st_ND	0	(omitted)				
st_NE	-.1341365	.0573758	-2.34	0.024	-.2494374	-.0188355
st_NH	-.0474516	.041424	-1.15	0.258	-.1306963	.0357931
st_NJ	-.0342984	.023985	-1.43	0.159	-.0824981	.0139013
st_NM	-.0948016	.0269455	-3.52	0.001	-.1489507	-.0406525
st_NV	-.1535836	.0272347	-5.64	0.000	-.2083139	-.0988534
st_NY	0	(omitted)				
st_OH	-.0514026	.0243856	-2.11	0.040	-.1004072	-.002398
st_OK	-.0835473	.0401958	-2.08	0.043	-.1643237	-.0027709
st_OR	-.052289	.0075384	-6.94	0.000	-.067438	-.03714
st_PA	-.1279215	.0277661	-4.61	0.000	-.1837196	-.0721235
st_PR	.0636604	.0844554	0.75	0.455	-.106059	.2333799
st_RI	-.0659156	.0334856	-1.97	0.055	-.1332074	.0013761
st_SC	-.0700315	.0240815	-2.91	0.005	-.118425	-.0216379
st_SD	-.1466214	.066534	-2.20	0.032	-.2803265	-.0129164
st_TN	-.1024172	.0380566	-2.69	0.010	-.1788947	-.0259396
st_TX	-.0949943	.0141657	-6.71	0.000	-.1234614	-.0665273
st_UT	-.2472352	.0229726	-10.76	0.000	-.2934003	-.2010701
st_VA	-.1395991	.0499798	-2.79	0.007	-.2400372	-.0391609
st_VT	-.0686873	.0513199	-1.34	0.187	-.1718185	.034444
st_WA	-.1624849	.0075229	-21.60	0.000	-.1776028	-.147367
st_WI	-.058773	.0338035	-1.74	0.088	-.1267036	.0091577
st_WV	-.238491	.0213937	-11.15	0.000	-.2814832	-.1954988

st_WY	-.1284318	.0531512	-2.42	0.019	-.2352431	-.0216205
tsd_unemp_mean	-.0208611	.0160184	-1.30	0.199	-.0530514	.0113292
tsd_unemp_cng	-.0196319	.0128313	-1.53	0.132	-.0454173	.0061535
pial	.0000155	.0000153	1.01	0.316	-.0000153	.0000463
pia_miss	.0060459	.0114229	0.53	0.599	-.0169092	.0290011
ime1	-5.17e-06	3.57e-06	-1.45	0.154	-.0000124	2.01e-06
ime_miss	-.0102576	.004721	-2.17	0.035	-.0197448	-.0007705
_cons	.9949838	.1191834	8.35	0.000	.7554759	1.234492

(1) - imm1_adj - imm3_adj - imm4_adj = 0

srvroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-.0032492	.0018739	-1.73	0.089	-.0070149	.0005166

(1) imm1_adj + imm3_adj + imm4_adj = .0032492

srvroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	1.95e-17	.0018739	0.00	1.000	-.0037657	.0037657

(1) imm1_adj = 0
(2) imm3_adj = 0
(3) imm4_adj = 0

F(3, 49) = 1.21
Prob > F = 0.3156

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 49) = 3.01
Prob > F = 0.0892

(1) -.5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 49) = 0.12
Prob > F = 0.7258

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH1NONY_unemp.xls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
F(47, 49) = .
Prob > F = .
R-squared = 0.5902
Root MSE = .17905

(Std. Err. adjusted for 50 clusters in tsd_state)

srvroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0006508	.0031066	0.21	0.835	-.0055921	.0068937
imm3_adj	-.0004306	.0027964	-0.15	0.878	-.0060502	.0051889
imm4_adj	.001823	.0013025	1.40	0.168	-.0007944	.0044404

male	.0002183	.0021614	0.10	0.920	-.0041252	.0045618
gendermiss_flag	-.0098676	.0022822	-4.32	0.000	-.0144539	-.0052813
tsd_age	-.0010846	.0002527	-4.29	0.000	-.0015923	-.0005768
doage2	-.0001798	.0002529	-0.71	0.481	-.0006881	.0003285
doage2miss_flag	-.0353925	.0239465	-1.48	0.146	-.0835148	.0127297
race_a	-.0002739	.0061126	-0.04	0.964	-.0125577	.0120099
race_b	-.0043367	.0022351	-1.94	0.058	-.0088282	.0001549
race_h	-.0074792	.0046454	-1.61	0.114	-.0168146	.0018562
race_i	-.0076906	.0055903	-1.38	0.175	-.0189247	.0035436
race_o	-.0086413	.0056073	-1.54	0.130	-.0199097	.002627
race_mis	-.0133409	.0086714	-1.54	0.130	-.0307668	.004085
tsd_edu_hs	.0025827	.0018955	1.36	0.179	-.0012265	.0063918
tsd_edu_mrhs	.0163944	.0030408	5.39	0.000	.0102836	.0225051
tsd_edu_mis	.0000487	.0037145	0.01	0.990	-.0074159	.0075133
tsd_mie_exp	-.0111684	.0096544	-1.16	0.253	-.0305697	.0082329
tsd_mie_mis	-.0068481	.0019999	-3.42	0.001	-.010867	-.0028292
tsd_mie_psbl	-.0066454	.0037589	-1.77	0.083	-.0141992	.0009084
tsd_medicare	-.0015465	.0021723	-0.71	0.480	-.0059119	.0028189
tsd_medicare_mis	-.0143028	.0048136	-2.97	0.005	-.0239761	-.0046295
tsd_depend_1	-.0032551	.0025763	-1.26	0.212	-.0084325	.0019222
tsd_depend_2	-.0035346	.0029295	-1.21	0.233	-.0094217	.0023525
tsd_depend_mis	-.0031424	.0048865	-0.64	0.523	-.0129623	.0066775
tsd_vrpr	-.7847542	.0129401	-60.65	0.000	-.8107582	-.7587501
tsd_vrpr_mis	-.859301	.0077855	-110.37	0.000	-.8749466	-.8436554
pdcgroup2	-.0003728	.0034448	-0.11	0.914	-.0072953	.0065497
pdcgroup3	.0033186	.002645	1.25	0.216	-.0019967	.0086338
pdcgroup4	.0075613	.0027906	2.71	0.009	.0019533	.0131693
pdcgroup5	.0294851	.04819	0.61	0.543	-.0673562	.1263265
cohort2000	-.0027385	.0032223	-0.85	0.400	-.0092138	.0037369
cohort2001	-.0045369	.0051808	-0.88	0.385	-.0149482	.0058743
cohort2002	-.0022229	.010448	-0.21	0.832	-.0232189	.0187732
cohort2003	-.0047896	.0114854	-0.42	0.678	-.0278704	.0182913
cohort2004	-.0352413	.0178006	-1.98	0.053	-.0710129	.0005302
award_b4_tsd	-.0081356	.0056308	-1.44	0.155	-.0194512	.00318
diaward_tsd	-.0005084	.0001886	-2.70	0.010	-.0008873	-.0001294
epeb4twp_flag	-.0967211	.0434168	-2.23	0.031	-.1839705	-.0094718
ldwb4twp_flag	-.0273473	.0365575	-0.75	0.458	-.1008123	.0461177
ldwb4epe_flag	.0187991	.0208042	0.90	0.371	-.0230085	.0606068
twpb4tsd	.0074195	.0031955	2.32	0.024	.000998	.0138411
epeb4tsd	-.0050006	.0048218	-1.04	0.305	-.0146903	.0046892
ldwb4tsd	.0077347	.0064918	1.19	0.239	-.0053111	.0207804
st_AL	-.1730176	.0312679	-5.53	0.000	-.2358528	-.1101823
st_AR	-.1206662	.0313351	-3.85	0.000	-.1836363	-.057696
st_AZ	-.0277815	.0182234	-1.52	0.134	-.0644028	.0088398
st_CA	-.0261235	.0094604	-2.76	0.008	-.045135	-.0071121
st_CO	-.0406727	.027901	-1.46	0.151	-.096742	.0153965
st_CT	-.0733828	.0438762	-1.67	0.101	-.1615554	.0147898
st_DC	.2585292	.0126216	20.48	0.000	.2331651	.2838933
st_DE	-.049657	.0543288	-0.91	0.365	-.1588348	.0595209
st_FL	-.0292359	.0267723	-1.09	0.280	-.0830369	.0245651
st_GA	-.0756165	.0388828	-1.94	0.058	-.1537545	.0025215
st_HI	-.0894991	.0547005	-1.64	0.108	-.1994238	.0204256
st_IA	-.0518887	.0517726	-1.00	0.321	-.1559296	.0521523
st_ID	-.0631136	.0294906	-2.14	0.037	-.1223771	-.0038501
st_IL	-.0032219	.0100192	-0.32	0.749	-.0233562	.0169123
st_IN	.0036131	.0351464	0.10	0.919	-.0670162	.0742423
st_KS	-.0656077	.0331071	-1.98	0.053	-.132139	.0009235
st_KY	-.0584834	.0265932	-2.20	0.033	-.1119244	-.0050424
st_LA	-.0460989	.0233371	-1.98	0.054	-.0929966	.0007987
st_MA	-.0460637	.0283017	-1.63	0.110	-.1029382	.0108108
st_MD	-.1216473	.0448872	-2.71	0.009	-.2118514	-.0314432
st_ME	-.0822756	.0447064	-1.84	0.072	-.1721166	.0075653
st_MI	-.0095996	.0179409	-0.54	0.595	-.0456532	.0264541

st_MN	-.044062	.045162	-0.98	0.334	-.1348185	.0466945
st_MO	-.0702972	.032036	-2.19	0.033	-.1346759	-.0059184
st_MS	-.1085899	.0155248	-6.99	0.000	-.1397882	-.0773916
st_MT	.0757993	.0465955	1.63	0.110	-.0178378	.1694365
st_NC	-.0586548	.014921	-3.93	0.000	-.0886396	-.0286699
st_ND	0	(omitted)				
st_NE	-.088797	.055227	-1.61	0.114	-.1997799	.0221859
st_NH	-.0132633	.0404593	-0.33	0.744	-.0945692	.0680427
st_NJ	.010063	.0228692	0.44	0.662	-.0358944	.0560204
st_NM	-.057354	.0257462	-2.23	0.031	-.109093	-.005615
st_NV	-.0850749	.0260667	-3.26	0.002	-.1374579	-.0326919
st_NY	0	(omitted)				
st_OH	-.0197361	.0235683	-0.84	0.406	-.0670984	.0276262
st_OK	-.0372141	.0389486	-0.96	0.344	-.1154843	.0410562
st_OR	-.0122998	.0065182	-1.89	0.065	-.0253987	.0007991
st_PA	-.0790135	.0268531	-2.94	0.005	-.1329767	-.0250502
st_PR	.0692417	.0823905	0.84	0.405	-.0963281	.2348116
st_RI	-.046694	.0333707	-1.40	0.168	-.1137548	.0203669
st_SC	-.0265701	.0226125	-1.18	0.246	-.0720117	.0188715
st_SD	-.0948392	.0645001	-1.47	0.148	-.224457	.0347786
st_TN	-.0664163	.0365216	-1.82	0.075	-.1398091	.0069766
st_TX	-.0695088	.0132373	-5.25	0.000	-.0961102	-.0429073
st_UT	-.2358888	.022665	-10.41	0.000	-.2814358	-.1903418
st_VA	-.1021257	.0483537	-2.11	0.040	-.1992962	-.0049553
st_VT	-.0014376	.0502249	-0.03	0.977	-.1023683	.0994931
st_WA	-.1416239	.0060039	-23.59	0.000	-.1536891	-.1295587
st_WI	-.0058522	.0325869	-0.18	0.858	-.071338	.0596336
st_WV	-.2312157	.020771	-11.13	0.000	-.2729567	-.1894748
st_WY	-.0798201	.051876	-1.54	0.130	-.1840688	.0244286
tsd_unemp_mean	-.0172838	.0158115	-1.09	0.280	-.0490583	.0144906
tsd_unemp_cng	-.0079963	.011317	-0.71	0.483	-.0307387	.014746
pial	5.83e-06	.0000123	0.47	0.639	-.000019	.0000306
pia_miss	.0002579	.0089361	0.03	0.977	-.0176999	.0182158
ime1	-3.60e-06	3.29e-06	-1.09	0.279	-.0000102	3.01e-06
ime_miss	-.0086902	.0059075	-1.47	0.148	-.0205618	.0031814
_cons	1.052798	.1164764	9.04	0.000	.8187302	1.286866

(1) - imm1_adj - imm3_adj - imm4_adj = 0

srvroll148	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0020432	.0019921	-1.03	0.310	-.0060463 .00196

(1) imm1_adj + imm3_adj + imm4_adj = .0020432

srvroll148	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	5.64e-18	.0019921	0.00	1.000	-.0040032 .0040032

(1) imm1_adj = 0
(2) imm3_adj = 0
(3) imm4_adj = 0

F(3, 49) = 1.96
Prob > F = 0.1316

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 49) = 1.05
 Prob > F = 0.3101

(1) - .5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 49) = 0.23
 Prob > F = 0.6366

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NONY_unemp.xls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
 F(47, 49) = .
 Prob > F = .
 R-squared = 0.4057
 Root MSE = 1.1264

(Std. Err. adjusted for 50 clusters in tsd_state)

nstwl2	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0115031	.018675	-0.62	0.541	-.0490318	.0260257
imm3_adj	.0179555	.0153433	1.17	0.248	-.012878	.0487889
imm4_adj	-.0035843	.0097229	-0.37	0.714	-.0231231	.0159545
male	.0150151	.0077655	1.93	0.059	-.0005903	.0306205
gendermiss_flag	-.0723593	.0199217	-3.63	0.001	-.1123935	-.0323251
tsd_age	-.0056553	.0013646	-4.14	0.000	-.0083976	-.002913
doage2	.0002013	.001247	0.16	0.872	-.0023047	.0027073
doage2miss_flag	.0493589	.0307652	1.60	0.115	-.012466	.1111838
race_a	.0159267	.0491058	0.32	0.747	-.0827552	.1146085
race_b	.0472326	.0253035	1.87	0.068	-.0036167	.0980819
race_h	.0254404	.0132888	1.91	0.061	-.0012643	.0521452
race_i	-.0211605	.0439941	-0.48	0.633	-.1095699	.067249
race_o	-.0068067	.055016	-0.12	0.902	-.1173654	.103752
race_mis	.0532571	.0325923	1.63	0.109	-.0122396	.1187538
tsd_edu_hs	.0165153	.0112768	1.46	0.149	-.0061463	.0391769
tsd_edu_mrhs	.060065	.0144367	4.16	0.000	.0310534	.0890766
tsd_edu_mis	.0293077	.0182064	1.61	0.114	-.0072795	.0658948
tsd_mie_exp	-.0010215	.0274716	-0.04	0.970	-.0562276	.0541847
tsd_mie_mis	.0201446	.0173369	1.16	0.251	-.0146952	.0549845
tsd_mie_psbl	-.0181014	.0176186	-1.03	0.309	-.0535072	.0173044
tsd_medicare	-.0788111	.0114277	-6.90	0.000	-.101776	-.0558462
tsd_medicare_miss	-.0273471	.017254	-1.58	0.119	-.0620202	.007326
tsd_depend_1	-.0300506	.0112139	-2.68	0.010	-.0525857	-.0075155
tsd_depend_2	-.0313704	.0152466	-2.06	0.045	-.0620096	-.0007312
tsd_depend_miss	.048608	.0292253	1.66	0.103	-.0101223	.1073384
tsd_vrpr	.0768934	.0276521	2.78	0.008	.0213245	.1324623
tsd_vrpr_miss	.1166258	.0260442	4.48	0.000	.0642881	.1689636
pdcgrou2	-.0242798	.013763	-1.76	0.084	-.0519375	.003378
pdcgrou3	.0268566	.0306273	0.88	0.385	-.0346913	.0884045
pdcgrou4	.0448622	.01206	3.72	0.001	.0206267	.0690976
pdcgrou5	-.0478901	.0388554	-1.23	0.224	-.1259729	.0301927
cohort2000	.0576789	.0199529	2.89	0.006	.0175821	.0977757
cohort2001	.0435131	.0403724	1.08	0.286	-.0376184	.1246445
cohort2002	.0311161	.0544677	0.57	0.570	-.0782959	.140618
cohort2003	.1122402	.0719866	1.56	0.125	-.0324223	.2569028
cohort2004	.2286622	.0720205	3.17	0.003	.0839317	.3733927
award_b4_tsd	-.0069229	.0182598	-0.38	0.706	-.0436173	.0297716
diaward_tsd	.0002311	.0019009	0.12	0.904	-.0035889	.0040512

epeb4twp_flag	-.2204001	1.170368	-0.19	0.851	-2.572342	2.131542
ldwb4twp_flag	1.345142	.8706591	1.54	0.129	-.4045131	3.094797
ldwb4epe_flag	.7377423	.3233157	2.28	0.027	.0880151	1.38747
twpb4tsd	.98992	.0384195	25.77	0.000	.9127132	1.067127
epeb4tsd	1.049879	.0973618	10.78	0.000	.8542228	1.245535
ldwb4tsd	5.66878	.1313146	43.17	0.000	5.404893	5.932667
st_AL	.2791866	.1469683	1.90	0.063	-.0161572	.5745304
st_AR	-.3320272	.1404507	-2.36	0.022	-.6142735	-.049781
st_AZ	-.1867221	.0848081	-2.20	0.032	-.3571503	-.0162939
st_CA	.1257649	.040578	3.10	0.003	.0442203	.2073096
st_CO	-.2958104	.1272691	-2.32	0.024	-.5515673	-.0400535
st_CT	-.3664469	.2175831	-1.68	0.099	-.8036965	.0708027
st_DC	1.934829	.0382489	50.59	0.000	1.857965	2.011693
st_DE	-.6283269	.2535168	-2.48	0.017	-1.137788	-.1188658
st_FL	-.2277402	.1198537	-1.90	0.063	-.4685952	.0131148
st_GA	-.3526858	.1814908	-1.94	0.058	-.7174052	.0120335
st_HI	-.6859157	.2528626	-2.71	0.009	-1.194062	-.1777694
st_IA	-.6977256	.2452745	-2.84	0.006	-1.190623	-.2048279
st_ID	-.5756985	.1339518	-4.30	0.000	-.8448847	-.3065124
st_IL	-.0343462	.046564	-0.74	0.464	-.1279201	.0592277
st_IN	-.5761044	.161133	-3.58	0.001	-.8999132	-.2522956
st_KS	-.4736939	.1501435	-3.15	0.003	-.7754185	-.1719692
st_KY	-.4076599	.1183033	-3.45	0.001	-.6453992	-.1699206
st_LA	.3192839	.1101522	2.90	0.006	.0979248	.5406431
st_MA	-.3442734	.1399969	-2.46	0.018	-.6256077	-.0629391
st_MD	1.006608	.2092406	4.81	0.000	.5861231	1.427092
st_ME	-.7586803	.2117695	-3.58	0.001	-1.184247	-.3331135
st_MI	.4019974	.0814089	4.94	0.000	.2384	.5655948
st_MN	-.2653605	.2052157	-1.29	0.202	-.677757	.1470359
st_MO	-.3248446	.1487081	-2.18	0.034	-.6236848	-.0260045
st_MS	-.1284723	.0705465	-1.82	0.075	-.2702407	.0132961
st_MT	-.5534096	.2072413	-2.67	0.010	-.9698765	-.1369427
st_NC	-.2563952	.0687835	-3.73	0.001	-.3946208	-.1181695
st_ND	0	(omitted)				
st_NE	-1.081141	.2653552	-4.07	0.000	-1.614392	-.54789
st_NH	-.012444	.1926419	-0.06	0.949	-.3995724	.3746844
st_NJ	-.2186549	.1085572	-2.01	0.049	-.4368086	-.0005011
st_NM	-.462921	.1257621	-3.68	0.001	-.7156493	-.2101926
st_NV	.358118	.1212767	2.95	0.005	.1144033	.6018328
st_NY	0	(omitted)				
st_OH	.814875	.1078816	7.55	0.000	.5980788	1.031671
st_OK	-.4894568	.1824684	-2.68	0.010	-.8561408	-.1227728
st_OR	.148017	.0458786	3.23	0.002	.0558206	.2402134
st_PA	-.0354911	.1249782	-0.28	0.778	-.2866442	.215662
st_PR	1.156912	.4058568	2.85	0.006	.341312	1.972512
st_RI	.7445101	.1519385	4.90	0.000	.4391782	1.049842
st_SC	-.2246665	.1046202	-2.15	0.037	-.4349085	-.0144244
st_SD	.5625902	.3029105	1.86	0.069	-.0461312	1.171312
st_TN	.0752298	.1626615	0.46	0.646	-.2516508	.4021104
st_TX	.2253733	.0586055	3.85	0.000	.1076012	.3431454
st_UT	.93848	.1089603	8.61	0.000	.719516	1.157444
st_VA	-.2390149	.2330591	-1.03	0.310	-.7073646	.2293348
st_VT	-.7521532	.2408876	-3.12	0.003	-1.236235	-.2680714
st_WA	.4211736	.0409921	10.27	0.000	.338797	.5035502
st_WI	-.3429547	.1475879	-2.32	0.024	-.6395437	-.0463657
st_WV	-.1918518	.0986314	-1.95	0.058	-.3900591	.0063555
st_WY	-.7396573	.2442188	-3.03	0.004	-1.230433	-.2488812
tsd_unemp_mean	-.2403701	.0763904	-3.15	0.003	-.3938824	-.0868578
tsd_unemp_cng	.0240392	.0622548	0.39	0.701	-.1010665	.1491449
pia1	-.0001872	.0001016	-1.84	0.071	-.0003913	.0000169
pia_miss	-.3242606	.0906114	-3.58	0.001	-.506351	-.1421702
ime1	.0000923	.0000374	2.47	0.017	.0000172	.0001674
ime_miss	.1622481	.0658149	2.47	0.017	.029988	.2945081

_cons | 1.716742 .5284265 3.25 0.002 .654829 2.778654

(1) - imm1_adj - imm3_adj - imm4_adj = 0

nstw12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-.002868	.0107168	-0.27	0.790	-.0244043	.0186683

(1) imm1_adj + imm3_adj + imm4_adj = .002868

nstw12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-4.34e-18	.0107168	-0.00	1.000	-.0215363	.0215363

(1) imm1_adj = 0
 (2) imm3_adj = 0
 (3) imm4_adj = 0

F(3, 49) = 0.54
 Prob > F = 0.6561

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 49) = 0.07
 Prob > F = 0.7901

(1) -.5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 49) = 1.12
 Prob > F = 0.2942

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
 F(47, 49) = .
 Prob > F = .
 R-squared = 0.3290
 Root MSE = 2.62

(Std. Err. adjusted for 50 clusters in tsd_state)

nstw24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0274092	.0350037	-0.78	0.437	-.0977518	.0429333
imm3_adj	.0432679	.0290173	1.49	0.142	-.0150446	.1015804
imm4_adj	-.0046912	.0292206	-0.16	0.873	-.0634122	.0540298
male	.0318411	.0189383	1.68	0.099	-.0062169	.0698991
gendermiss_flag	-.2031532	.0454327	-4.47	0.000	-.2944536	-.1118527
tsd_age	-.0220236	.0026619	-8.27	0.000	-.0273729	-.0166743
doage2	.0013562	.002918	0.46	0.644	-.0045078	.0072202
doage2miss_flag	.0658231	.1123539	0.59	0.561	-.1599604	.2916067
race_a	.1808377	.1268033	1.43	0.160	-.073983	.4356584
race_b	.1158701	.0558314	2.08	0.043	.0036726	.2280675

race_h	.123642	.029498	4.19	0.000	.0643636	.1829203
race_i	-.0841506	.0949687	-0.89	0.380	-.2749974	.1066961
race_o	-.0958167	.1203117	-0.80	0.430	-.337592	.1459587
race_mis	.0898259	.0704695	1.27	0.208	-.0517879	.2314396
tsd_edu_hs	.0468996	.0260482	1.80	0.078	-.0054463	.0992454
tsd_edu_mrhs	.2173623	.0379604	5.73	0.000	.1410779	.2936466
tsd_edu_mis	.1486656	.0495325	3.00	0.004	.0491262	.248205
tsd_mie_exp	.0317442	.0646161	0.49	0.625	-.0981066	.161595
tsd_mie_mis	.029209	.043193	0.68	0.502	-.0575906	.1160085
tsd_mie_psbl	-.0486862	.0367154	-1.33	0.191	-.1224685	.0250962
tsd_medicare	-.1961897	.0221791	-8.85	0.000	-.2407603	-.1516191
tsd_medicare_miss	-.1785553	.0510514	-3.50	0.001	-.281147	-.0759637
tsd_depend_1	-.115257	.0206432	-5.58	0.000	-.156741	-.073773
tsd_depend_2	-.1031606	.0352117	-2.93	0.005	-.1739212	-.0324
tsd_depend_miss	.0872384	.0731621	1.19	0.239	-.0597864	.2342633
tsd_vrpr	.2725355	.0562714	4.84	0.000	.1594539	.3856171
tsd_vrpr_miss	.3261933	.054748	5.96	0.000	.2161731	.4362136
pdcgrou2	-.075758	.0327765	-2.31	0.025	-.1416248	-.0098911
pdcgrou3	.0702707	.0559688	1.26	0.215	-.0422029	.1827443
pdcgrou4	.1287763	.0318475	4.04	0.000	.0647764	.1927762
pdcgrou5	.1293593	.2779965	0.47	0.644	-.4292956	.6880142
cohort2000	.0846126	.0609175	1.39	0.171	-.0378056	.2070309
cohort2001	.033915	.1068346	0.32	0.752	-.1807772	.2486072
cohort2002	.0331166	.1293036	0.26	0.799	-.2267288	.292962
cohort2003	.1559056	.1562129	1.00	0.323	-.1580161	.4698272
cohort2004	.4520499	.1967265	2.30	0.026	.0567132	.8473866
award_b4_tsd	.0113732	.0489892	0.23	0.817	-.0870742	.1098206
diaward_tsd	-.0043628	.0038608	-1.13	0.264	-.0121214	.0033958
epeb4twp_flag	.3185404	1.899481	0.17	0.868	-3.49861	4.135691
ldwb4twp_flag	2.996698	.9752293	3.07	0.003	1.036901	4.956495
ldwb4epe_flag	2.992175	.6505954	4.60	0.000	1.684755	4.299596
twpb4tsd	3.01106	.111863	26.92	0.000	2.786263	3.235857
epeb4tsd	1.811844	.1931219	9.38	0.000	1.423751	2.199937
ldwb4tsd	10.11428	.2083929	48.53	0.000	9.695501	10.53306
st_AL	-.3987492	.2957176	-1.35	0.184	-.993016	.1955177
st_AR	-.4820284	.2899053	-1.66	0.103	-1.064615	.100558
st_AZ	-.4449162	.1683901	-2.64	0.011	-.7833088	-.1065236
st_CA	.3294954	.089542	3.68	0.001	.149554	.5094369
st_CO	-.8151057	.2616416	-3.12	0.003	-1.340894	-.2893171
st_CT	-.9357034	.412693	-2.27	0.028	-1.765041	-.1063658
st_DC	5.706084	.1033193	55.23	0.000	5.498456	5.913712
st_DE	-1.833221	.5002935	-3.66	0.001	-2.838598	-.8278436
st_FL	-.6540997	.2542345	-2.57	0.013	-1.165003	-.1431963
st_GA	-1.164088	.3638086	-3.20	0.002	-1.895189	-.4329877
st_HI	-2.095397	.5252675	-3.99	0.000	-3.150962	-1.039833
st_IA	-2.025225	.4766774	-4.25	0.000	-2.983144	-1.067306
st_ID	-1.712627	.2776848	-6.17	0.000	-2.270656	-1.154599
st_IL	-.0347924	.0960642	-0.36	0.719	-.2278406	.1582557
st_IN	-1.631531	.3295284	-4.95	0.000	-2.293743	-.9693189
st_KS	-1.343917	.2986505	-4.50	0.000	-1.944077	-.743756
st_KY	-1.226063	.2484712	-4.93	0.000	-1.725384	-.7267413
st_LA	-.9317466	.2389556	-3.90	0.000	-1.411946	-.4515473
st_MA	-.8686338	.268015	-3.24	0.002	-1.40723	-.3300375
st_MD	1.166685	.4163046	2.80	0.007	.3300898	2.003281
st_ME	-.7638773	.4154725	-1.84	0.072	-1.598801	.0710459
st_MI	.5661407	.1739592	3.25	0.002	.2165566	.9157248
st_MN	-.9365645	.4135866	-2.26	0.028	-1.767698	-.1054311
st_MO	-1.172763	.3004645	-3.90	0.000	-1.776569	-.568957
st_MS	-.4617285	.1649341	-2.80	0.007	-.793176	-.130281
st_MT	-1.746751	.4195503	-4.16	0.000	-2.589869	-.9036331
st_NC	-.8196396	.1682975	-4.87	0.000	-1.157846	-.481433
st_ND	0	(omitted)				
st_NE	-2.871391	.5303605	-5.41	0.000	-3.93719	-1.805591

st_NH	-.5251004	.3800491	-1.38	0.173	-1.288838	.2386368
st_NJ	-1.018004	.2201135	-4.62	0.000	-1.460338	-.5756689
st_NM	-1.284441	.2421229	-5.30	0.000	-1.771006	-.7978773
st_NV	.3904599	.2714494	1.44	0.157	-.1550382	.935958
st_NY	0	(omitted)				
st_OH	1.458897	.2150072	6.79	0.000	1.026823	1.89097
st_OK	-1.373086	.3590011	-3.82	0.000	-2.094526	-.651646
st_OR	.440232	.0973244	4.52	0.000	.2446513	.6358126
st_PA	-.0958316	.2537543	-0.38	0.707	-.60577	.4141067
st_PR	3.410489	.7721774	4.42	0.000	1.858741	4.962238
st_RI	2.34641	.2961617	7.92	0.000	1.751251	2.941569
st_SC	-.631798	.2120185	-2.98	0.004	-1.057865	-.2057308
st_SD	1.463539	.6083689	2.41	0.020	.2409762	2.686102
st_TN	-.6430969	.3464904	-1.86	0.069	-1.339395	.0532017
st_TX	.2320211	.1249228	1.86	0.069	-.0190206	.4830628
st_UT	1.487723	.2215565	6.71	0.000	1.042489	1.932957
st_VA	-.644593	.4614139	-1.40	0.169	-1.571839	.2826529
st_VT	-2.053752	.4644994	-4.42	0.000	-2.987199	-1.120306
st_WA	1.54163	.0908485	16.97	0.000	1.359063	1.724196
st_WI	-.9757664	.3013623	-3.24	0.002	-1.581377	-.3701562
st_WV	-.571937	.1838639	-3.11	0.003	-.9414253	-.2024487
st_WY	-2.262221	.4689729	-4.82	0.000	-3.204657	-1.319785
tsd_unemp_mean	-.6936756	.1464967	-4.74	0.000	-.9880718	-.3992794
tsd_unemp_cng	.0046219	.1592358	0.03	0.977	-.3153743	.3246182
pial	-.000407	.000186	-2.19	0.033	-.0007808	-.0000333
pia_miss	-.8350468	.1666855	-5.01	0.000	-1.170014	-.5000798
ime1	.0002195	.0000706	3.11	0.003	.0000777	.0003613
ime_miss	.3305639	.1276903	2.59	0.013	.0739606	.5871672
_cons	5.288625	1.018232	5.19	0.000	3.242411	7.334838

(1) - imm1_adj - imm3_adj - imm4_adj = 0

nstw24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0111674	.0187662	-0.60	0.555	-.0488795 .0265446

(1) imm1_adj + imm3_adj + imm4_adj = .0111674

nstw24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-2.43e-17	.0187662	-0.00	1.000	-.037712 .037712

(1) imm1_adj = 0

(2) imm3_adj = 0

(3) imm4_adj = 0

F(3, 49) = 1.11
Prob > F = 0.3556

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 49) = 0.35
Prob > F = 0.5545

(1) - .5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 49) = 1.48
Prob > F = 0.2300

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
 F(47, 49) = .
 Prob > F = .
 R-squared = 0.2718
 Root MSE = 4.3875

(Std. Err. adjusted for 50 clusters in tsd_state)

nstw36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.035201	.0533009	-0.66	0.512	-.1423131	.0719112
imm3_adj	.0408145	.0376769	1.08	0.284	-.0349	.116529
imm4_adj	.0134535	.0540526	0.25	0.804	-.0951693	.1220763
male	.066717	.0370899	1.80	0.078	-.007818	.1412519
gendermiss_flag	-.3826682	.076519	-5.00	0.000	-.5364388	-.2288976
tsd_age	-.0453942	.0045008	-10.09	0.000	-.0544388	-.0363496
doage2	.0030374	.0052138	0.58	0.563	-.0074401	.013515
doage2miss_flag	-.0604073	.2396489	-0.25	0.802	-.5419998	.4211851
race_a	.3158146	.204582	1.54	0.129	-.0953084	.7269375
race_b	.2303268	.075369	3.06	0.004	.0788672	.3817864
race_h	.2737532	.0593114	4.62	0.000	.1545624	.3929439
race_i	-.1010336	.1564407	-0.65	0.521	-.4154128	.2133457
race_o	-.2384034	.1864979	-1.28	0.207	-.6131848	.1363781
race_mis	.128387	.1115012	1.15	0.255	-.095683	.3524571
tsd_edu_hs	.1031586	.0314294	3.28	0.002	.039999	.1663183
tsd_edu_mrhs	.4773444	.0619519	7.71	0.000	.3528474	.6018414
tsd_edu_mis	.3259945	.0775252	4.21	0.000	.1702018	.4817872
tsd_mie_exp	.0258241	.1116681	0.23	0.818	-.1985813	.2502295
tsd_mie_mis	-.0087301	.069963	-0.12	0.901	-.1493261	.1318658
tsd_mie_psbl	-.1104115	.0580989	-1.90	0.063	-.2271656	.0063426
tsd_medicare	-.3033673	.0392527	-7.73	0.000	-.3822485	-.2244861
tsd_medicare_miss	-.5039276	.0919959	-5.48	0.000	-.6888002	-.3190549
tsd_depend_1	-.2166931	.040972	-5.29	0.000	-.2990294	-.1343568
tsd_depend_2	-.1827382	.052086	-3.51	0.001	-.2874089	-.0780675
tsd_depend_miss	.0800545	.1317353	0.61	0.546	-.1846775	.3447865
tsd_vrpr	.4810028	.0917004	5.25	0.000	.296724	.6652816
tsd_vrpr_miss	.456838	.0921786	4.96	0.000	.2715981	.6420779
pdcgrou2	-.1656066	.0526066	-3.15	0.003	-.2713235	-.0598898
pdcgrou3	.1219954	.0723761	1.69	0.098	-.0234497	.2674406
pdcgrou4	.2369937	.0524087	4.52	0.000	.1316744	.342313
pdcgrou5	.0160673	.3184713	0.05	0.960	-.6239246	.6560593
cohort2000	.0612981	.0903532	0.68	0.501	-.1202735	.2428696
cohort2001	-.0344891	.1475275	-0.23	0.816	-.3309567	.2619785
cohort2002	.0019057	.1972357	0.01	0.992	-.3944543	.3982658
cohort2003	.4548124	.2776601	1.64	0.108	-.1031664	1.012791
cohort2004	.6163536	.3153376	1.95	0.056	-.0173412	1.250048
award_b4_tsd	.0768501	.0999535	0.77	0.446	-.124014	.2777142
diaward_tsd	-.0135379	.0049197	-2.75	0.008	-.0234245	-.0036514
epeb4twp_flag	.8526402	3.234654	0.26	0.793	-5.647639	7.35292
ldwb4twp_flag	4.56725	1.644191	2.78	0.008	1.263125	7.871374
ldwb4epe_flag	6.443814	.9208664	7.00	0.000	4.593263	8.294364
twpb4tsd	5.026563	.2126184	23.64	0.000	4.599291	5.453836
epeb4tsd	2.447727	.2859822	8.56	0.000	1.873024	3.022429
ldwb4tsd	13.76707	.2868867	47.99	0.000	13.19055	14.34359
st_AL	-1.26803	.510842	-2.48	0.017	-2.294605	-.2414543

st_AR	-.5089741	.5076217	-1.00	0.321	-1.529078	.5111298
st_AZ	-.6991151	.2908261	-2.40	0.020	-1.283552	-.1146781
st_CA	.358184	.1685807	2.12	0.039	.0194084	.6969595
st_CO	-1.232558	.4556311	-2.71	0.009	-2.148183	-.3169332
st_CT	-.8205378	.6684236	-1.23	0.225	-2.163785	.5227096
st_DC	9.061173	.1797584	50.41	0.000	8.699935	9.422411
st_DE	-2.540502	.8472503	-3.00	0.004	-4.243115	-.8378883
st_FL	-1.013352	.4574066	-2.22	0.031	-1.932545	-.0941591
st_GA	-1.678878	.6243868	-2.69	0.010	-2.93363	-.4241255
st_HI	-3.231431	.9124955	-3.54	0.001	-5.06516	-1.397703
st_IA	-2.916392	.7924488	-3.68	0.001	-4.508877	-1.323906
st_ID	-2.821137	.4709371	-5.99	0.000	-3.767521	-1.874753
st_IL	-.1681171	.1713039	-0.98	0.331	-.5123652	.176131
st_IN	-1.806131	.5742335	-3.15	0.003	-2.960097	-.6521659
st_KS	-2.148979	.5109423	-4.21	0.000	-3.175756	-1.122202
st_KY	-2.075576	.4388356	-4.73	0.000	-2.957449	-1.193703
st_LA	-1.488195	.4102243	-3.63	0.001	-2.312572	-.6638183
st_MA	-1.205121	.4415833	-2.73	0.009	-2.092516	-.3177263
st_MD	1.128689	.7019095	1.61	0.114	-.2818506	2.539229
st_ME	-.1015233	.6829574	-0.15	0.882	-1.473978	1.270931
st_MI	.7964897	.3153016	2.53	0.015	.1628675	1.430112
st_MN	-1.09522	.7124535	-1.54	0.131	-2.526949	.3365093
st_MO	-1.882106	.5117373	-3.68	0.001	-2.91048	-.8537313
st_MS	-.2545777	.3209387	-0.79	0.431	-.8995282	.3903729
st_MT	-2.896066	.702755	-4.12	0.000	-4.308305	-1.483827
st_NC	-1.519358	.3190389	-4.76	0.000	-2.160491	-.8782255
st_ND	0	(omitted)				
st_NE	-4.333868	.8820512	-4.91	0.000	-6.106417	-2.56132
st_NH	-.359789	.630169	-0.57	0.571	-1.626161	.9065831
st_NJ	-1.525616	.3774634	-4.04	0.000	-2.284157	-.7670752
st_NM	-2.164394	.4024617	-5.38	0.000	-2.973171	-1.355617
st_NV	.4172873	.4886177	0.85	0.397	-.5646268	1.399201
st_NY	0	(omitted)				
st_OH	2.27777	.3748276	6.08	0.000	1.524526	3.031014
st_OK	-2.016069	.6090622	-3.31	0.002	-3.240025	-.7921125
st_OR	.3578458	.1748098	2.05	0.046	.0065524	.7091391
st_PA	-1.1813948	.4382798	-0.41	0.681	-1.062151	.6993614
st_PR	4.057371	1.238657	3.28	0.002	1.568197	6.546545
st_RI	4.093192	.5022593	8.15	0.000	3.083864	5.10252
st_SC	-1.073085	.3735668	-2.87	0.006	-1.823796	-.3223748
st_SD	3.875359	1.018323	3.81	0.000	1.828962	5.921756
st_TN	-.8429542	.6118282	-1.38	0.175	-2.072469	.3865605
st_TX	-.0994916	.223614	-0.44	0.658	-.5488609	.3498776
st_UT	1.896874	.3869956	4.90	0.000	1.119177	2.674571
st_VA	-.3352428	.7779795	-0.43	0.668	-1.898651	1.228165
st_VT	-2.798256	.7655691	-3.66	0.001	-4.336725	-1.259788
st_WA	2.568632	.169483	15.16	0.000	2.228043	2.909221
st_WI	-1.519771	.5225517	-2.91	0.005	-2.569878	-.4696641
st_WV	-1.067069	.3164728	-3.37	0.001	-1.703045	-.4310931
st_WY	-3.567807	.7927256	-4.50	0.000	-5.160849	-1.974765
tsd_unemp_mean	-.927177	.2394515	-3.87	0.000	-1.408373	-.4459812
tsd_unemp_cng	-.0215459	.3122568	-0.07	0.945	-.6490494	.6059575
pial	-.0005342	.0002596	-2.06	0.045	-.001056	-.0000125
pia_miss	-1.263642	.2227878	-5.67	0.000	-1.711351	-.8159331
ime1	.0003192	.0000958	3.33	0.002	.0001267	.0005117
ime_miss	.3480584	.1854103	1.88	0.066	-.0245375	.7206543
_cons	8.020216	1.69692	4.73	0.000	4.610127	11.43031

(1) - imm1_adj - imm3_adj - imm4_adj = 0

nstw36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
--------	-------	-----------	---	------	----------------------

(1)		-.019067	.0349524	-0.55	0.588	-.0893065	.0511724
-----	--	----------	----------	-------	-------	-----------	----------

(1) imm1_adj + imm3_adj + imm4_adj = .019067

		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)		-6.94e-18	.0349524	-0.00	1.000	-.0702395 .0702395

- (1) imm1_adj = 0
- (2) imm3_adj = 0
- (3) imm4_adj = 0

F(3, 49) = 0.88
 Prob > F = 0.4560

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 49) = 0.30
 Prob > F = 0.5879

(1) -.5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 49) = 0.45
 Prob > F = 0.5055

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression Number of obs = 43043
 F(47, 49) = .
 Prob > F = .
 R-squared = 0.2335
 Root MSE = 6.3516

(Std. Err. adjusted for 50 clusters in tsd_state)

		Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
imm1_adj		-.0203882	.0770538	-0.26	0.792	-.1752336 .1344573
imm3_adj		.0390336	.0507466	0.77	0.445	-.0629456 .1410128
imm4_adj		.0218195	.0826095	0.26	0.793	-.1441904 .1878294
male		.122366	.0608489	2.01	0.050	.0000856 .2446465
gendermiss_flag		-.6290426	.1214789	-5.18	0.000	-.8731637 -.3849215
tsd_age		-.0752471	.0065957	-11.41	0.000	-.0885017 -.0619926
doage2		.0043725	.0071022	0.62	0.541	-.0098999 .0186449
doage2miss_flag		.0408046	.1683287	0.24	0.809	-.2974646 .3790738
race_a		.4798183	.2410324	1.99	0.052	-.0045544 .9641911
race_b		.3696926	.0873892	4.23	0.000	.1940775 .5453078
race_h		.4193794	.1074099	3.90	0.000	.2035313 .6352276
race_i		-.0673156	.2427176	-0.28	0.783	-.5550748 .4204437
race_o		-.4002065	.2282603	-1.75	0.086	-.8589127 .0584996
race_mis		.125464	.1904335	0.66	0.513	-.2572266 .5081545
tsd_edu_hs		.1847584	.0509649	3.63	0.001	.0823405 .2871763
tsd_edu_mrhs		.8177674	.0966915	8.46	0.000	.6234585 1.012076
tsd_edu_mis		.530353	.1084887	4.89	0.000	.3123368 .7483692

tsd_mie_exp	.0558844	.1689768	0.33	0.742	-.2836871	.395456
tsd_mie_mis	-.0432674	.0986164	-0.44	0.663	-.2414445	.1549097
tsd_mie_psbl	-.1978982	.0778605	-2.54	0.014	-.3543647	-.0414316
tsd_medicare	-.4129712	.0605397	-6.82	0.000	-.5346303	-.2913121
tsd_medicare_miss	-.8868985	.1333632	-6.65	0.000	-1.154902	-.618895
tsd_depend_1	-.345203	.0688079	-5.02	0.000	-.4834776	-.2069284
tsd_depend_2	-.253981	.0686045	-3.70	0.001	-.3918468	-.1161151
tsd_depend_miss	.0109803	.1629788	0.07	0.947	-.3165377	.3384984
tsd_vrpr	.6367204	.1459615	4.36	0.000	.3433997	.9300411
tsd_vrpr_miss	.4744526	.148478	3.20	0.002	.1760749	.7728303
pdgroup2	-.3240715	.0739046	-4.38	0.000	-.4725884	-.1755546
pdgroup3	.2166796	.1119008	1.94	0.059	-.0081934	.4415526
pdgroup4	.3268742	.0861806	3.79	0.000	.1536878	.5000606
pdgroup5	-.1995665	.3484122	-0.57	0.569	-.899727	.500594
cohort2000	.1017133	.1226097	0.83	0.411	-.1446801	.3481068
cohort2001	.036618	.2133601	0.17	0.864	-.3921452	.4653812
cohort2002	.117096	.3092031	0.38	0.707	-.5042709	.7384628
cohort2003	1.208831	.4482082	2.70	0.010	.3081233	2.10954
cohort2004	.9695666	.4774255	2.03	0.048	.0101442	1.928989
award_b4_tsd	.1868229	.1773844	1.05	0.297	-.1696444	.5432902
diaward_tsd	-.0179828	.008275	-2.17	0.035	-.034612	-.0013537
epeb4twp_flag	.6984951	4.342632	0.16	0.873	-8.02835	9.42534
ldwb4twp_flag	4.798691	2.080835	2.31	0.025	.6170975	8.980285
ldwb4epe_flag	10.21504	1.250496	8.17	0.000	7.702077	12.72801
twpb4tsd	6.988886	.2937961	23.79	0.000	6.398481	7.579292
epeb4tsd	2.955818	.3976147	7.43	0.000	2.156782	3.754855
ldwb4tsd	17.11567	.3960128	43.22	0.000	16.31986	17.91149
st_AL	-3.12827	.7000854	-4.47	0.000	-4.535144	-1.721396
st_AR	-1.405598	.6973392	-2.02	0.049	-2.806953	-.0042424
st_AZ	-1.82099	.4053332	-4.49	0.000	-2.635538	-1.006443
st_CA	-.2204492	.2344462	-0.94	0.352	-.6915865	.250688
st_CO	-2.555082	.6270481	-4.07	0.000	-3.815183	-1.294982
st_CT	-1.743963	.91915	-1.90	0.064	-3.591064	.103138
st_DC	11.43257	.2470824	46.27	0.000	10.93604	11.92911
st_DE	-4.225432	1.163546	-3.63	0.001	-6.563665	-1.887199
st_FL	-2.284704	.6281019	-3.64	0.001	-3.546922	-1.022486
st_GA	-3.112703	.8547755	-3.64	0.001	-4.830439	-1.394967
st_HI	-5.572605	1.251763	-4.45	0.000	-8.088117	-3.057092
st_IA	-4.790923	1.091285	-4.39	0.000	-6.983942	-2.597904
st_ID	-3.892105	.6429094	-6.05	0.000	-5.184079	-2.60013
st_IL	-1.090555	.2383348	-4.58	0.000	-1.569507	-.6116033
st_IN	-3.007927	.7966242	-3.78	0.000	-4.608803	-1.407051
st_KS	-3.975208	.7033445	-5.65	0.000	-5.388631	-2.561784
st_KY	-3.178237	.6065841	-5.24	0.000	-4.397213	-1.95926
st_LA	-2.954314	.572918	-5.16	0.000	-4.105636	-1.802993
st_MA	-2.415103	.6143666	-3.93	0.000	-3.649719	-1.180487
st_MD	-.4020836	.9718212	-0.41	0.681	-2.355031	1.550864
st_ME	-1.859556	.9431122	-1.97	0.054	-3.754811	.0356994
st_MI	-.1003751	.4347209	-0.23	0.818	-.9739795	.7732294
st_MN	-2.619864	.9808624	-2.67	0.010	-4.590981	-.6487468
st_MO	-3.251675	.7078179	-4.59	0.000	-4.674089	-1.829262
st_MS	-1.347875	.4384851	-3.07	0.003	-2.229043	-.466706
st_MT	-5.276648	.9647705	-5.47	0.000	-7.215427	-3.337869
st_NC	-2.978972	.4354317	-6.84	0.000	-3.854005	-2.10394
st_ND	0	(omitted)				
st_NE	-6.899102	1.207043	-5.72	0.000	-9.324746	-4.473458
st_NH	-1.903041	.8706088	-2.19	0.034	-3.652595	-.1534873
st_NJ	-2.659568	.5233748	-5.08	0.000	-3.711329	-1.607807
st_NM	-4.038235	.5626463	-7.18	0.000	-5.168915	-2.907555
st_NV	-.4332045	.6692652	-0.65	0.520	-1.778143	.9117342
st_NY	0	(omitted)				
st_OH	2.304352	.5193678	4.44	0.000	1.260644	3.348061
st_OK	-3.60067	.8387095	-4.29	0.000	-5.28612	-1.915221

st_OR	-.5222492	.2331451	-2.24	0.030	-.9907718	-.0537266
st_PA	-1.004207	.608526	-1.65	0.105	-2.227086	.2186717
st_PR	4.214096	1.685799	2.50	0.016	.8263565	7.601835
st_RI	4.834198	.6898877	7.01	0.000	3.447817	6.220579
st_SC	-2.432578	.5149233	-4.72	0.000	-3.467355	-1.397801
st_SD	4.568763	1.411166	3.24	0.002	1.73292	7.404607
st_TN	-1.928587	.8358939	-2.31	0.025	-3.608379	-.2487951
st_TX	-1.163629	.3107047	-3.75	0.000	-1.788013	-.5392442
st_UT	1.249832	.5375096	2.33	0.024	.1696657	2.329998
st_VA	-1.065023	1.070885	-0.99	0.325	-3.217046	1.087001
st_VT	-4.588437	1.059951	-4.33	0.000	-6.718488	-2.458387
st_WA	3.132494	.2257496	13.88	0.000	2.678833	3.586154
st_WI	-2.995153	.7176868	-4.17	0.000	-4.437399	-1.552908
st_WV	-2.544296	.4505321	-5.65	0.000	-3.449674	-1.638918
st_WY	-6.058281	1.098895	-5.51	0.000	-8.266594	-3.849968
tsd_unemp_mean	-1.239606	.3286424	-3.77	0.000	-1.900038	-.5791746
tsd_unemp_cng	-.1658084	.4246312	-0.39	0.698	-1.019137	.68752
pial	-.0006297	.0002993	-2.10	0.041	-.0012311	-.0000282
pia_miss	-1.617498	.2777507	-5.82	0.000	-2.175659	-1.059337
ime1	.0004114	.0001046	3.93	0.000	.0002013	.0006216
ime_miss	.2296763	.220148	1.04	0.302	-.2127277	.6720803
_cons	12.3636	2.294832	5.39	0.000	7.751966	16.97524

(1) - imm1_adj - imm3_adj - imm4_adj = 0

nstw48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0404649	.0526656	-0.77	0.446	-.1463004 .0653706

(1) imm1_adj + imm3_adj + imm4_adj = .0404649

nstw48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-6.94e-18	.0526656	-0.00	1.000	-.1058355 .1058355

(1) imm1_adj = 0
(2) imm3_adj = 0
(3) imm4_adj = 0

F(3, 49) = 0.91
Prob > F = 0.4451

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 49) = 0.59
Prob > F = 0.4460

(1) - .5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 49) = 0.11
Prob > F = 0.7400

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH1NONY_unemp.xls
dir : seeout

Linear regression

Number of obs = 77128
F(50, 51) = .

Prob > F = .
 R-squared = 0.1126
 Root MSE = .12514

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	-.0009524	.0013855	-0.69	0.495	-.0037339	.0018291
imm12_adj	.0014029	.0013916	1.01	0.318	-.0013909	.0041967
imm13_adj	.0015643	.0014827	1.06	0.296	-.0014123	.0045408
imm14_adj	-.0003904	.0016073	-0.24	0.809	-.0036172	.0028365
imm15_adj	-.0004084	.0012331	-0.33	0.742	-.0028839	.0020671
imm16_adj	.0006701	.0014118	0.47	0.637	-.0021642	.0035045
imm17_adj	.0001376	.0011762	0.12	0.907	-.0022237	.0024989
imm18_adj	.0013896	.0014395	0.97	0.339	-.0015002	.0042795
imm19_adj	-.0012131	.0016058	-0.76	0.453	-.0044368	.0020106
male	.0033406	.0009042	3.69	0.001	.0015253	.0051559
gendermiss_flag	-.0117545	.0041743	-2.82	0.007	-.0201348	-.0033742
tsd_age	-.0007101	.0001409	-5.04	0.000	-.000993	-.0004271
doage2	4.18e-06	.0001154	0.04	0.971	-.0002275	.0002359
doage2miss_flag	-.0168893	.0035933	-4.70	0.000	-.0241031	-.0096754
race_a	-.002284	.0039588	-0.58	0.567	-.0102317	.0056636
race_b	.0050779	.0013616	3.73	0.000	.0023443	.0078114
race_h	.007343	.0027725	2.65	0.011	.0017769	.0129091
race_i	.005141	.0069608	0.74	0.464	-.0088334	.0191154
race_o	-.0002563	.0069037	-0.04	0.971	-.0141161	.0136035
race_mis	.0008653	.0028716	0.30	0.764	-.0048997	.0066302
tsd_edu_hs	.0036933	.0012178	3.03	0.004	.0012484	.0061381
tsd_edu_mrhs	.0091546	.0019013	4.81	0.000	.0053376	.0129717
tsd_edu_mis	.005623	.0013258	4.24	0.000	.0029614	.0082847
tsd_mie_exp	.0027366	.0032769	0.84	0.408	-.003842	.0093152
tsd_mie_mis	.0007969	.0016029	0.50	0.621	-.0024211	.0040149
tsd_mie_psbl	.0005503	.0013201	0.42	0.679	-.0021	.0032005
tsd_medicare	-.0041703	.001791	-2.33	0.024	-.0077658	-.0005748
tsd_medicare_miss	-.0076782	.0020163	-3.81	0.000	-.011726	-.0036303
tsd_depend_1	-.0027573	.0012938	-2.13	0.038	-.0053546	-.0001599
tsd_depend_2	-.002171	.0010991	-1.98	0.054	-.0043776	.0000356
tsd_depend_miss	.0016379	.0025961	0.63	0.531	-.0035741	.0068499
tsd_vrpr	.0136062	.002527	5.38	0.000	.008533	.0186794
tsd_vrpr_miss	.0089032	.0019289	4.62	0.000	.0050307	.0127757
pdcgroup2	-.0023013	.0012939	-1.78	0.081	-.004899	.0002963
pdcgroup3	.002739	.0012018	2.28	0.027	.0003263	.0051517
pdcgroup4	.0032482	.0011494	2.83	0.007	.0009407	.0055557
pdcgroup5	-.0011911	.0106623	-0.11	0.911	-.0225965	.0202144
cohort2000	.0013631	.0016653	0.82	0.417	-.00198	.0047063
cohort2001	.0079359	.0029553	2.69	0.010	.0020029	.013869
cohort2002	.0062476	.0050264	1.24	0.220	-.0038434	.0163385
cohort2003	.007977	.0077107	1.03	0.306	-.0075029	.0234568
cohort2004	.0047763	.0073994	0.65	0.521	-.0100785	.0196311
award_b4_tsd	.000906	.0044987	0.20	0.841	-.0081256	.0099375
diaward_tsd	-.0000933	.0001365	-0.68	0.498	-.0003673	.0001808
epeb4twp_flag	.0001054	.1549658	0.00	0.999	-.3110015	.3112122
ldwb4twp_flag	.2674414	.0789711	3.39	0.001	.1089004	.4259825
ldwb4epe_flag	.0920217	.0392258	2.35	0.023	.0132727	.1707707
twpb4tsd	.1586427	.0088386	17.95	0.000	.1408985	.176387
epeb4tsd	.0732088	.0051461	14.23	0.000	.0628776	.0835399
ldwb4tsd	-.1000314	.0092086	-10.86	0.000	-.1185185	-.0815442
st_AL	-.0012788	.00762	-0.17	0.867	-.0165765	.0140189
st_AR	-.0088673	.0062655	-1.42	0.163	-.0214457	.0037112
st_AZ	-.0184692	.0064351	-2.87	0.006	-.0313883	-.0055501
st_CA	-.0376556	.0033729	-11.16	0.000	-.044427	-.0308843

st_CO	-.0187062	.0055046	-3.40	0.001	-.0297572	-.0076552
st_CT	-.0087645	.0075937	-1.15	0.254	-.0240094	.0064805
st_DC	-.0030852	.0022626	-1.36	0.179	-.0076276	.0014573
st_DE	-.0227259	.0119959	-1.89	0.064	-.0468087	.0013569
st_FL	-.0095456	.0080627	-1.18	0.242	-.0257322	.0066409
st_GA	-.0043519	.0096308	-0.45	0.653	-.0236864	.0149827
st_HI	-.0090848	.0130046	-0.70	0.488	-.0351927	.0170231
st_IA	-.0122403	.0115507	-1.06	0.294	-.0354293	.0109488
st_ID	.0005185	.0077463	0.07	0.947	-.0150329	.0160699
st_IL	-.0207186	.0033858	-6.12	0.000	-.0275158	-.0139214
st_IN	-.0074477	.0080141	-0.93	0.357	-.0235367	.0086413
st_KS	-.0131208	.0073384	-1.79	0.080	-.0278532	.0016117
st_KY	-.0099356	.0048504	-2.05	0.046	-.0196732	-.000198
st_LA	-.0071624	.0047756	-1.50	0.140	-.0167499	.002425
st_MA	-.0123272	.006542	-1.88	0.065	-.0254609	.0008065
st_MD	.0415372	.0105558	3.94	0.000	.0203455	.0627289
st_ME	-.011478	.00872	-1.32	0.194	-.0289841	.006028
st_MI	-.0072545	.0023217	-3.12	0.003	-.0119154	-.0025935
st_MN	.0045309	.0098949	0.46	0.649	-.015334	.0243957
st_MO	-.0093439	.0072076	-1.30	0.201	-.0238137	.0051259
st_MS	-.0051769	.0039597	-1.31	0.197	-.0131263	.0027725
st_MT	-.0109418	.0115213	-0.95	0.347	-.0340718	.0121882
st_NC	-.0338333	.0040776	-8.30	0.000	-.0420195	-.0256472
st_ND	-.0151603	.0137686	-1.10	0.276	-.0428019	.0124814
st_NE	-.0300053	.0129792	-2.31	0.025	-.056062	-.0039485
st_NH	-.0090653	.010816	-0.84	0.406	-.0307793	.0126487
st_NJ	-.0044056	.0060038	-0.73	0.466	-.0164587	.0076474
st_NM	-.0016173	.0056237	-0.29	0.775	-.0129074	.0096728
st_NV	-.0079146	.0075249	-1.05	0.298	-.0230214	.0071923
st_NY	-.0121952	.0042943	-2.84	0.006	-.0208163	-.003574
st_OH	.0041117	.0056879	0.72	0.473	-.0073073	.0155307
st_OK	.0065762	.0067147	0.98	0.332	-.0069041	.0200566
st_OR	-.0162505	.0018452	-8.81	0.000	-.019955	-.012546
st_PA	-.0134285	.006746	-1.99	0.052	-.0269718	.0001147
st_PR	-.0184207	.0154921	-1.19	0.240	-.0495224	.012681
st_RI	-.0974068	.0106951	-9.11	0.000	-.1188783	-.0759354
st_SC	-.0158069	.0033313	-4.74	0.000	-.0224949	-.009119
st_SD	-.0106599	.0139771	-0.76	0.449	-.0387201	.0174004
st_TN	-.0058907	.006931	-0.85	0.399	-.0198053	.0080238
st_TX	-.0167461	.0034139	-4.91	0.000	-.0235998	-.0098924
st_UT	-.025266	.0073826	-3.42	0.001	-.0400872	-.0104448
st_VA	-.0025588	.0118801	-0.22	0.830	-.0264092	.0212916
st_VT	-.0348281	.011139	-3.13	0.003	-.0571907	-.0124656
st_WA	-.0003303	.0012216	-0.27	0.788	-.0027829	.0021223
st_WI	-.0191559	.0067413	-2.84	0.006	-.0326897	-.0056221
st_WV	-.0220979	.0059632	-3.71	0.001	-.0340695	-.0101262
st_WY	-.0096451	.0105495	-0.91	0.365	-.0308241	.0115339
tsd_unemp_mean	.0017667	.00337	0.52	0.602	-.0049988	.0085321
tsd_unemp_cng	-.0010017	.0026192	-0.38	0.704	-.00626	.0042565
pial	-5.62e-06	4.91e-06	-1.14	0.258	-.0000155	4.24e-06
pia_miss	-.0178625	.0047386	-3.77	0.000	-.0273756	-.0083493
ime1	3.32e-06	1.65e-06	2.00	0.050	-4.79e-09	6.64e-06
ime_miss	.0016277	.0025836	0.63	0.531	-.003559	.0068144
_cons	.011572	.0299121	0.39	0.700	-.0484791	.0716232

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-.0022002	.0027568	-0.80	0.429	-.0077347	.0033343

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0022002

ldwroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-3.04e-18	.0027568	-0.00	1.000	-.0055345	.0055345

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 51) = 1.04
 Prob > F = 0.4242

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 51) = 0.64
 Prob > F = 0.4285

- (1) -.5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) -.5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) -.5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) -.5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) -.5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) -.5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) -.5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 51) = 1.29
 Prob > F = 0.2746

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs =	77128
F(50, 51) =	.
Prob > F =	.
R-squared =	0.1141
Root MSE =	.17181

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	.0020443	.0020458	1.00	0.322	-.0020629	.0061515
imm12_adj	.0002052	.0017943	0.11	0.909	-.003397	.0038075
imm13_adj	.0016245	.0017099	0.95	0.347	-.0018083	.0050573
imm14_adj	-.0021252	.002233	-0.95	0.346	-.0066081	.0023577
imm15_adj	-.0015279	.0021337	-0.72	0.477	-.0058114	.0027557
imm16_adj	-.0005214	.0014948	-0.35	0.729	-.0035224	.0024796
imm17_adj	.0005097	.0017464	0.29	0.772	-.0029964	.0040158

imm18_adj	.0003983	.0015929	0.25	0.804	-.0027997	.0035962
imm19_adj	-.000566	.0025962	-0.22	0.828	-.0057782	.0046461
male	.0069617	.0013878	5.02	0.000	.0041756	.0097479
gendermiss_flag	-.0494417	.0065314	-7.57	0.000	-.0625542	-.0363293
tsd_age	-.0013168	.0002102	-6.27	0.000	-.0017387	-.0008949
doage2	-.0000611	.0001789	-0.34	0.734	-.0004203	.0002981
doage2miss_flag	-.0198339	.006047	-3.28	0.002	-.0319737	-.0076942
race_a	-.0035224	.0064798	-0.54	0.589	-.0165312	.0094864
race_b	.009989	.0018521	5.39	0.000	.0062708	.0137072
race_h	.0046568	.0027443	1.70	0.096	-.0008526	.0101662
race_i	.016297	.0085097	1.92	0.061	-.000787	.033381
race_o	.0152591	.0105396	1.45	0.154	-.0059	.0364183
race_mis	.0043951	.0036204	1.21	0.230	-.0028732	.0116634
tsd_edu_hs	.004193	.001754	2.39	0.021	.0006718	.0077143
tsd_edu_mrhs	.0158184	.0020831	7.59	0.000	.0116364	.0200004
tsd_edu_mis	.0085613	.0019771	4.33	0.000	.0045922	.0125305
tsd_mie_exp	.0031828	.0039819	0.80	0.428	-.0048112	.0111767
tsd_mie_mis	-.0029586	.0019942	-1.48	0.144	-.0069621	.0010449
tsd_mie_psbl	.0000481	.0015717	0.03	0.976	-.0031072	.0032035
tsd_medicare	-.0081836	.0025698	-3.18	0.002	-.0133427	-.0030245
tsd_medicare_miss	-.0195668	.0040011	-4.89	0.000	-.0275994	-.0115342
tsd_depend_1	-.0052689	.0019556	-2.69	0.010	-.0091949	-.0013429
tsd_depend_2	-.0022537	.0012484	-1.81	0.077	-.0047601	.0002526
tsd_depend_mis	-.0057957	.0037432	-1.55	0.128	-.0133104	.001719
tsd_vrpr	.01943	.0028384	6.85	0.000	.0137317	.0251283
tsd_vrpr_miss	.005686	.0027572	2.06	0.044	.0001507	.0112212
pdcgrou2	-.0044903	.0022461	-2.00	0.051	-.0089994	.0000189
pdcgrou3	.0051839	.0018499	2.80	0.007	.00147	.0088978
pdcgrou4	.0065299	.0019974	3.27	0.002	.00252	.0105398
pdcgrou5	-.011898	.0110948	-1.07	0.289	-.0341718	.0103758
cohort2000	-.0004015	.0024856	-0.16	0.872	-.0053915	.0045884
cohort2001	.0076139	.0043193	1.76	0.084	-.0010575	.0162853
cohort2002	.0048074	.0065549	0.73	0.467	-.0083522	.0179669
cohort2003	.0163446	.0097854	1.67	0.101	-.0033003	.0359895
cohort2004	.0074744	.0115438	0.65	0.520	-.0157007	.0306495
award_b4_tsd	.0107449	.0071978	1.49	0.142	-.0037054	.0251951
diaward_tsd	-.0003067	.0001808	-1.70	0.096	-.0006696	.0000562
epeb4twp_flag	-.0880793	.1549884	-0.57	0.572	-.3992316	.2230729
ldwb4twp_flag	.4175014	.1066868	3.91	0.000	.2033187	.6316842
ldwb4epe_flag	.2367061	.0531935	4.45	0.000	.1299157	.3434965
twpb4tsd	.2181443	.010709	20.37	0.000	.196645	.2396436
epeb4tsd	.069331	.0062618	11.07	0.000	.05676	.081902
ldwb4tsd	-.1420031	.0091741	-15.48	0.000	-.1604208	-.1235853
st_AL	.0430159	.0110727	3.88	0.000	.0207865	.0652453
st_AR	.0070166	.0089793	0.78	0.438	-.0110101	.0250433
st_AZ	.0204288	.0094155	2.17	0.035	.0015263	.0393312
st_CA	-.0143917	.0044277	-3.25	0.002	-.0232807	-.0055027
st_CO	-.0158423	.0080446	-1.97	0.054	-.0319926	.000308
st_CT	.0145236	.0108125	1.34	0.185	-.0071835	.0362307
st_DC	.0316111	.0030085	10.51	0.000	.0255712	.037651
st_DE	.0616689	.0171958	3.59	0.001	.0271469	.0961909
st_FL	.0260963	.0116197	2.25	0.029	.0027688	.0494239
st_GA	.026695	.0135032	1.98	0.053	-.0004137	.0538038
st_HI	.0139654	.0181232	0.77	0.445	-.0224184	.0503492
st_IA	.0100375	.0165821	0.61	0.548	-.0232525	.0433274
st_ID	.1294169	.0114049	11.35	0.000	.1065205	.1523132
st_IL	-.0072548	.0051686	-1.40	0.166	-.0176312	.0031216
st_IN	.0152831	.011384	1.34	0.185	-.0075713	.0381375
st_KS	.0111931	.0104823	1.07	0.291	-.0098509	.0322372
st_KY	.0037555	.0070139	0.54	0.595	-.0103256	.0178366
st_LA	.0153354	.0067717	2.26	0.028	.0017407	.0289301
st_MA	.0229269	.0097047	2.36	0.022	.003444	.0424098
st_MD	.071616	.015037	4.76	0.000	.041428	.101804

st_ME	.003157	.0127337	0.25	0.805	-.0224069	.0287209
st_MI	.0067702	.0031726	2.13	0.038	.000401	.0131395
st_MN	.0134701	.0139795	0.96	0.340	-.014595	.0415351
st_MO	.0134679	.010281	1.31	0.196	-.007172	.0341079
st_MS	.0133845	.0057146	2.34	0.023	.0019119	.0248572
st_MT	.0174006	.0164131	1.06	0.294	-.01555	.0503513
st_NC	-.0238219	.0057144	-4.17	0.000	-.035294	-.0123498
st_ND	.0191952	.0197018	0.97	0.335	-.0203579	.0587482
st_NE	-.0196638	.0185225	-1.06	0.293	-.0568493	.0175218
st_NH	.0311577	.0156138	2.00	0.051	-.0001884	.0625037
st_NJ	.0222685	.0087835	2.54	0.014	.0046349	.039902
st_NM	.0195664	.0082643	2.37	0.022	.0029752	.0361576
st_NV	.0220162	.010798	2.04	0.047	.0003384	.043694
st_NY	.007457	.0065234	1.14	0.258	-.0056394	.0205534
st_OH	.0026961	.0078224	0.34	0.732	-.013008	.0184003
st_OK	.0165264	.0097686	1.69	0.097	-.0030849	.0361376
st_OR	.004464	.0024856	1.80	0.078	-.0005261	.0094541
st_PA	-.0057813	.0097114	-0.60	0.554	-.0252777	.0137151
st_PR	-.0382458	.0207269	-1.85	0.071	-.0798568	.0033651
st_RI	-.1143095	.0132653	-8.62	0.000	-.1409407	-.0876783
st_SC	-.0065344	.0050758	-1.29	0.204	-.0167245	.0036557
st_SD	.0256298	.020119	1.27	0.208	-.0147608	.0660204
st_TN	.0136078	.0098597	1.38	0.174	-.0061865	.033402
st_TX	-.0118947	.0048587	-2.45	0.018	-.021649	-.0021404
st_UT	-.0144671	.0106717	-1.36	0.181	-.0358914	.0069571
st_VA	.0322854	.0169836	1.90	0.063	-.0018107	.0663815
st_VT	.011137	.0162255	0.69	0.496	-.0214371	.043711
st_WA	-.0086818	.0016546	-5.25	0.000	-.0120035	-.0053601
st_WI	-.004922	.0100306	-0.49	0.626	-.0250592	.0152153
st_WV	.0395245	.0085593	4.62	0.000	.0223411	.056708
st_WY	.0063355	.0154004	0.41	0.683	-.0245821	.0372531
tsd_unemp_mean	.0082262	.0047652	1.73	0.090	-.0013404	.0177928
tsd_unemp_cng	.0044184	.0025348	1.74	0.087	-.0006705	.0095072
pial	-.0000121	8.82e-06	-1.37	0.177	-.0000298	5.63e-06
pia_miss	-.0250329	.0064932	-3.86	0.000	-.0380687	-.0119972
ime1	6.66e-06	2.46e-06	2.71	0.009	1.73e-06	.0000116
ime_miss	-.0029117	.0030236	-0.96	0.340	-.0089818	.0031584
_cons	-.0060505	.0372355	-0.16	0.872	-.080804	.068703

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

ldwroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0000415	.0024094	-0.02	0.986	-.0048786 .0047955

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0000415

ldwroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	3.01e-17	.0024094	0.00	1.000	-.0048371 .0048371

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0

(6) imm16_adj = 0
 (7) imm17_adj = 0
 (8) imm18_adj = 0
 (9) imm19_adj = 0

F(9, 51) = 0.89
 Prob > F = 0.5365

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj +
 imm17_adj + imm18_adj + imm19_adj = 0

F(1, 51) = 0.00
 Prob > F = 0.9863

(1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
 (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
 (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
 (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
 (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
 (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
 (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 51) = 1.14
 Prob > F = 0.3525

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.1085
 Root MSE = .20447

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	.0013056	.0020094	0.65	0.519	-.0027285	.0053397
imm12_adj	-.002101	.0022477	-0.93	0.354	-.0066134	.0024113
imm13_adj	.001604	.002098	0.76	0.448	-.002608	.0058159
imm14_adj	-.0015012	.0018428	-0.81	0.419	-.0052007	.0021984
imm15_adj	-.000033	.0026132	-0.01	0.990	-.0052792	.0052131
imm16_adj	.0002393	.0020187	0.12	0.906	-.0038134	.004292
imm17_adj	-.000871	.0021878	-0.40	0.692	-.0052632	.0035212
imm18_adj	.002187	.0016968	1.29	0.203	-.0012195	.0055936
imm19_adj	-.0003005	.0029296	-0.10	0.919	-.0061819	.0055809
male	.0089907	.001483	6.06	0.000	.0060134	.011968
gendermiss_flag	-.0903284	.009586	-9.42	0.000	-.1095731	-.0710836
tsd_age	-.0018693	.000233	-8.02	0.000	-.0023371	-.0014015
doage2	-.0002041	.0001892	-1.08	0.286	-.0005839	.0001758
doage2miss_flag	-.0428936	.0073511	-5.83	0.000	-.0576516	-.0281355
race_a	-.0049383	.0098807	-0.50	0.619	-.0247746	.0148979
race_b	.0154233	.0021122	7.30	0.000	.0111828	.0196637
race_h	.0080383	.0032884	2.44	0.018	.0014366	.01464
race_i	.0179519	.0112866	1.59	0.118	-.0047069	.0406106
race_o	.007374	.0107895	0.68	0.497	-.0142868	.0290349
race_mis	.0022525	.0040782	0.55	0.583	-.0059348	.0104399
tsd_edu_hs	.0043408	.0020329	2.14	0.038	.0002597	.008422
tsd_edu_mrhs	.0229954	.0024304	9.46	0.000	.0181161	.0278746
tsd_edu_mis	.0127881	.0019148	6.68	0.000	.008944	.0166321

tsd_mie_exp	.0025788	.0044252	0.58	0.563	-.0063051	.0114627
tsd_mie_mis	-.0050018	.0019861	-2.52	0.015	-.0089892	-.0010145
tsd_mie_psbl	-.001124	.001689	-0.67	0.509	-.0045148	.0022668
tsd_medicare	-.009381	.003046	-3.08	0.003	-.015496	-.003266
tsd_medicare_miss	-.0300407	.0051569	-5.83	0.000	-.0403937	-.0196878
tsd_depend_1	-.0087295	.0020587	-4.24	0.000	-.0128625	-.0045965
tsd_depend_2	-.0027773	.0016016	-1.73	0.089	-.0059926	.0004381
tsd_depend_miss	-.0159874	.0051092	-3.13	0.003	-.0262445	-.0057303
tsd_vrpr	.0112415	.0047621	2.36	0.022	.0016811	.0208018
tsd_vrpr_miss	-.0092207	.003337	-2.76	0.008	-.01592	-.0025213
pdcgrou2	-.0081724	.0028597	-2.86	0.006	-.0139136	-.0024313
pdcgrou3	.0043909	.0021489	2.04	0.046	.0000768	.0087049
pdcgrou4	.0052607	.0024959	2.11	0.040	.00025	.0102714
pdcgrou5	-.00114	.0210571	-0.05	0.957	-.0434139	.041134
cohort2000	-.0003154	.0020242	-0.16	0.877	-.0043792	.0037483
cohort2001	.0082689	.0044396	1.86	0.068	-.000644	.0171818
cohort2002	.004485	.0064743	0.69	0.492	-.0085127	.0174826
cohort2003	.0348421	.012124	2.87	0.006	.0105021	.0591821
cohort2004	.0285764	.0147902	1.93	0.059	-.0011162	.058269
award_b4_tsd	.0139578	.009066	1.54	0.130	-.004243	.0321586
diaward_tsd	-.0005012	.000202	-2.48	0.016	-.0009067	-.0000957
epeb4twp_flag	.1246505	.1802299	0.69	0.492	-.2371762	.4864771
ldwb4twp_flag	.4269868	.1056927	4.04	0.000	.2147999	.6391737
ldwb4epe_flag	.3654115	.0498528	7.33	0.000	.2653277	.4654952
twpb4tsd	.2456321	.0107671	22.81	0.000	.2240162	.267248
epeb4tsd	.0542852	.0065135	8.33	0.000	.0412087	.0673616
ldwb4tsd	-.163749	.0091411	-17.91	0.000	-.1821006	-.1453974
st_AL	.0483697	.0095635	5.06	0.000	.0291701	.0675693
st_AR	-.0073561	.0078678	-0.93	0.354	-.0231514	.0084392
st_AZ	.0116273	.0084513	1.38	0.175	-.0053393	.0285939
st_CA	-.0155872	.0040577	-3.84	0.000	-.0237335	-.007441
st_CO	-.0231062	.0071975	-3.21	0.002	-.0375558	-.0086566
st_CT	.0013525	.0095842	0.14	0.888	-.0178886	.0205936
st_DC	.0120499	.003012	4.00	0.000	.0060031	.0180967
st_DE	.0304123	.014884	2.04	0.046	.0005315	.0602931
st_FL	.0157189	.0102678	1.53	0.132	-.0048947	.0363324
st_GA	.0147065	.0119036	1.24	0.222	-.0091909	.0386039
st_HI	-.0143032	.015163	-0.94	0.350	-.0447442	.0161378
st_IA	-.0215571	.0142112	-1.52	0.135	-.0500874	.0069731
st_ID	.1053502	.0101607	10.37	0.000	.0849518	.1257486
st_IL	-.019253	.0047166	-4.08	0.000	-.0287219	-.0097841
st_IN	.0006388	.0099191	0.06	0.949	-.0192746	.0205521
st_KS	.0035	.0090023	0.39	0.699	-.0145727	.0215728
st_KY	-.0121409	.0061496	-1.97	0.054	-.0244866	.0002048
st_LA	.0032334	.0060791	0.53	0.597	-.0089709	.0154377
st_MA	.0288631	.0086273	3.35	0.002	.0115431	.046183
st_MD	.0734153	.0133141	5.51	0.000	.0466862	.1001444
st_ME	-.0249003	.0107772	-2.31	0.025	-.0465364	-.0032642
st_MI	-.0054383	.002881	-1.89	0.065	-.0112222	.0003456
st_MN	-.0187887	.0123753	-1.52	0.135	-.0436331	.0060556
st_MO	-.0042977	.0089163	-0.48	0.632	-.0221978	.0136024
st_MS	.0007045	.005224	0.13	0.893	-.0097831	.0111921
st_MT	.010304	.0142812	0.72	0.474	-.0183668	.0389747
st_NC	-.0140384	.0053463	-2.63	0.011	-.0247716	-.0033052
st_ND	-.0006175	.0170907	-0.04	0.971	-.0349284	.0336934
st_NE	-.0572811	.0160856	-3.56	0.001	-.0895743	-.0249878
st_NH	.0211603	.013522	1.56	0.124	-.0059863	.0483069
st_NJ	.010517	.0079005	1.33	0.189	-.005344	.0263779
st_NM	.0049603	.0078769	0.63	0.532	-.0108532	.0207737
st_NV	.0092864	.009651	0.96	0.340	-.0100887	.0286615
st_NY	-.0034161	.0057781	-0.59	0.557	-.0150161	.008184
st_OH	.0108784	.0071449	1.52	0.134	-.0034655	.0252223
st_OK	.0623216	.0083948	7.42	0.000	.0454683	.0791749

st_OR	.0015938	.0027234	0.59	0.561	-.0038738	.0070613
st_PA	-.0318562	.0088694	-3.59	0.001	-.0496623	-.0140502
st_PR	-.0509374	.0168155	-3.03	0.004	-.0846959	-.017179
st_RI	-.1573889	.0130818	-12.03	0.000	-.1836517	-.131126
st_SC	-.0277241	.0045213	-6.13	0.000	-.0368009	-.0186473
st_SD	.0015215	.0172651	0.09	0.930	-.0331397	.0361826
st_TN	-.0020016	.008632	-0.23	0.818	-.0193312	.0153279
st_TX	-.0057764	.0046829	-1.23	0.223	-.0151776	.0036249
st_UT	-.0372298	.0092495	-4.03	0.000	-.055799	-.0186606
st_VA	.016849	.0149175	1.13	0.264	-.0130992	.0467972
st_VT	-.0201247	.0140199	-1.44	0.157	-.0482707	.0080214
st_WA	-.0084772	.0017223	-4.92	0.000	-.0119349	-.0050195
st_WI	-.0203507	.0086179	-2.36	0.022	-.0376519	-.0030496
st_WV	.0668346	.008026	8.33	0.000	.0507217	.0829475
st_WY	.3068465	.0133724	22.95	0.000	.2800003	.3336928
tsd_unemp_mean	.006315	.0041666	1.52	0.136	-.0020498	.0146798
tsd_unemp_cng	.0045365	.0026081	1.74	0.088	-.0006995	.0097725
pial	-8.48e-06	.0000112	-0.76	0.452	-.0000309	.000014
pia_miss	-.0236118	.0090099	-2.62	0.012	-.0416999	-.0055236
ime1	6.59e-06	3.07e-06	2.15	0.036	4.33e-07	.0000127
ime_miss	-.010941	.0032349	-3.38	0.001	-.0174354	-.0044467
_cons	.0706588	.0354476	1.99	0.052	-.0005053	.1418229

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

ldwroll136	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0005292	.0022616	-0.23	0.816	-.0050695 .0040111

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0005292

ldwroll136	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-5.75e-18	.0022616	-0.00	1.000	-.0045403 .0045403

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 51) = 1.06
 Prob > F = 0.4053

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 51) = 0.05
 Prob > F = 0.8159

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0

- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 51) = 0.81
 Prob > F = 0.5794

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.1048
 Root MSE = .22862

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	.0024492	.0027328	0.90	0.374	-.0030371	.0079355
imm12_adj	6.05e-06	.0030813	0.00	0.998	-.00618	.0061921
imm13_adj	.0023268	.0025051	0.93	0.357	-.0027025	.007356
imm14_adj	-.0006921	.0022977	-0.30	0.764	-.0053048	.0039207
imm15_adj	.0024052	.0029375	0.82	0.417	-.0034922	.0083025
imm16_adj	-.0006698	.0025243	-0.27	0.792	-.0057374	.0043979
imm17_adj	-.0029589	.0029598	-1.00	0.322	-.0089009	.0029832
imm18_adj	.0017067	.0022313	0.76	0.448	-.0027729	.0061862
imm19_adj	-.0017368	.0033355	-0.52	0.605	-.0084331	.0049595
male	.010776	.0019684	5.47	0.000	.0068243	.0147276
gendermiss_flag	-.1279357	.0105289	-12.15	0.000	-.1490733	-.1067982
tsd_age	-.002531	.0002925	-8.65	0.000	-.0031182	-.0019439
doage2	-.0001419	.00019	-0.75	0.459	-.0005234	.0002395
doage2miss_flag	-.0738886	.008497	-8.70	0.000	-.0909471	-.0568301
race_a	-.001777	.0098644	-0.18	0.858	-.0215807	.0180266
race_b	.0215735	.0025235	8.55	0.000	.0165074	.0266396
race_h	.0109564	.0042862	2.56	0.014	.0023514	.0195613
race_i	.0185938	.0124891	1.49	0.143	-.0064791	.0436666
race_o	.0017287	.0127794	0.14	0.893	-.023927	.0273844
race_mis	.0038695	.0055001	0.70	0.485	-.0071725	.0149114
tsd_edu_hs	.0050834	.0024992	2.03	0.047	.0000661	.0101008
tsd_edu_mrhs	.0291317	.002609	11.17	0.000	.0238939	.0343695
tsd_edu_mis	.014139	.0020982	6.74	0.000	.0099267	.0183512
tsd_mie_exp	.0028874	.0053266	0.54	0.590	-.0078063	.0135811
tsd_mie_mis	-.0064482	.0023406	-2.75	0.008	-.0111472	-.0017493
tsd_mie_psbl	-.0028808	.0019474	-1.48	0.145	-.0067903	.0010288
tsd_medicare	-.0105371	.002917	-3.61	0.001	-.0163932	-.004681
tsd_medicare_miss	-.0395118	.0059336	-6.66	0.000	-.051424	-.0275997
tsd_depend_1	-.0084096	.0021959	-3.83	0.000	-.0128182	-.0040011
tsd_depend_2	-.0008716	.0014401	-0.61	0.548	-.0037627	.0020195
tsd_depend_miss	-.0281625	.0065441	-4.30	0.000	-.0413003	-.0150247
tsd_vrpr	-.0052059	.0044505	-1.17	0.248	-.0141406	.0037288
tsd_vrpr_miss	-.0326543	.0037248	-8.77	0.000	-.0401322	-.0251764
pdcgrou2	-.0129359	.0034676	-3.73	0.000	-.0198974	-.0059744
pdcgrou3	.0034578	.0026487	1.31	0.198	-.0018597	.0087753
pdcgrou4	.0042642	.00302	1.41	0.164	-.0017987	.0103271
pdcgrou5	-.0130734	.0208006	-0.63	0.532	-.0548324	.0286856
cohort2000	-.0031274	.0021431	-1.46	0.151	-.0074298	.0011751
cohort2001	.0021862	.0048424	0.45	0.654	-.0075353	.0119077

cohort2002	-.0041	.0071106	-0.58	0.567	-.0183752	.0101751
cohort2003	.0372535	.0147617	2.52	0.015	.0076182	.0668888
cohort2004	.0359729	.0179952	2.00	0.051	-.000154	.0720999
award_b4_tsd	.013109	.0112229	1.17	0.248	-.0094219	.0356399
diaward_tsd	-.0007713	.0002389	-3.23	0.002	-.001251	-.0002916
epeb4twp_flag	.089426	.177365	0.50	0.616	-.266649	.445501
ldwb4twp_flag	.491466	.1045906	4.70	0.000	.2814917	.7014404
ldwb4epe_flag	.4978466	.0481601	10.34	0.000	.4011612	.594532
twpb4tsd	.257032	.0106891	24.05	0.000	.2355726	.2784913
epeb4tsd	.0424037	.0059991	7.07	0.000	.03036	.0544474
ldwb4tsd	-.1806372	.0087288	-20.69	0.000	-.1981609	-.1631135
st_AL	.036198	.0101034	3.58	0.001	.0159146	.0564814
st_AR	-.0214194	.0084346	-2.54	0.014	-.0383526	-.0044862
st_AZ	.0021867	.0090676	0.24	0.810	-.0160172	.0203906
st_CA	-.0268615	.0044821	-5.99	0.000	-.0358596	-.0178634
st_CO	-.0400733	.0074479	-5.38	0.000	-.0550256	-.025121
st_CT	-.0158118	.0104934	-1.51	0.138	-.0368781	.0052546
st_DC	.0050721	.0032331	1.57	0.123	-.0014187	.0115629
st_DE	.0191399	.0160776	1.19	0.239	-.0131373	.0514171
st_FL	.014333	.0111346	1.29	0.204	-.0080206	.0366866
st_GA	-.0002054	.0130279	-0.02	0.987	-.0263601	.0259492
st_HI	-.0405333	.016657	-2.43	0.019	-.0739737	-.0070929
st_IA	-.0118709	.0152064	-0.78	0.439	-.0423991	.0186573
st_ID	.1915508	.0107513	17.82	0.000	.1699666	.213135
st_IL	-.0449834	.0048278	-9.32	0.000	-.0546756	-.0352911
st_IN	-.016655	.0107833	-1.54	0.129	-.0383033	.0049933
st_KS	-.0072168	.0097521	-0.74	0.463	-.0267949	.0123613
st_KY	-.028037	.0065843	-4.26	0.000	-.0412555	-.0148186
st_LA	-.0097159	.00657	-1.48	0.145	-.0229057	.0034739
st_MA	.0162571	.0091049	1.79	0.080	-.0020217	.034536
st_MD	.0775213	.0146338	5.30	0.000	.0481427	.1069
st_ME	-.050015	.0114499	-4.37	0.000	-.0730016	-.0270284
st_MI	-.0192851	.0031383	-6.15	0.000	-.0255855	-.0129846
st_MN	-.0139156	.0136069	-1.02	0.311	-.0412327	.0134015
st_MO	-.0188765	.0095834	-1.97	0.054	-.0381159	.000363
st_MS	-.0151331	.0059167	-2.56	0.014	-.0270114	-.0032549
st_MT	-.0147482	.0155692	-0.95	0.348	-.0460048	.0165083
st_NC	.0096905	.0060152	1.61	0.113	-.0023854	.0217664
st_ND	-.0107851	.0186595	-0.58	0.566	-.0482457	.0266755
st_NE	-.0925262	.0177336	-5.22	0.000	-.1281278	-.0569245
st_NH	.0164127	.0148266	1.11	0.273	-.013353	.0461783
st_NJ	-.0046315	.0086053	-0.54	0.593	-.0219073	.0126443
st_NM	-.0064237	.0087365	-0.74	0.466	-.0239629	.0111156
st_NV	-.0035616	.0106156	-0.34	0.739	-.0248732	.01775
st_NY	-.0092587	.0059678	-1.55	0.127	-.0212395	.0027222
st_OH	-.0064601	.0076676	-0.84	0.403	-.0218533	.0089332
st_OK	.037492	.0089035	4.21	0.000	.0196175	.0553666
st_OR	-.0149676	.003144	-4.76	0.000	-.0212794	-.0086557
st_PA	-.0476019	.0098559	-4.83	0.000	-.0673885	-.0278153
st_PR	-.0723834	.0180139	-4.02	0.000	-.1085479	-.036219
st_RI	-.1894297	.0145522	-13.02	0.000	-.2186444	-.160215
st_SC	-.0514232	.004597	-11.19	0.000	-.0606521	-.0421943
st_SD	-.0176778	.0188165	-0.94	0.352	-.0554536	.0200979
st_TN	-.0193594	.0092406	-2.10	0.041	-.0379107	-.0008081
st_TX	-.0089343	.0052068	-1.72	0.092	-.0193875	.0015188
st_UT	-.0598889	.0099847	-6.00	0.000	-.079934	-.0398439
st_VA	.0008135	.0162379	0.05	0.960	-.0317856	.0334125
st_VT	-.048912	.0150387	-3.25	0.002	-.0791033	-.0187206
st_WA	-.0105785	.0021544	-4.91	0.000	-.0149036	-.0062535
st_WI	-.0353216	.00905	-3.90	0.000	-.0534903	-.0171529
st_WV	.0379616	.008559	4.44	0.000	.0207787	.0551445
st_WY	.2715151	.0145596	18.65	0.000	.2422855	.3007446
tsd_unemp_mean	.0061591	.004564	1.35	0.183	-.0030034	.0153216

tsd_unemp_cng		.0022642	.0045841	0.49	0.623	-.0069388	.0114673
pial		-5.94e-06	.0000119	-0.50	0.619	-.0000298	.0000179
pia_miss		-.0138482	.0075806	-1.83	0.074	-.029067	.0013705
ime1		4.68e-06	3.15e-06	1.48	0.144	-1.65e-06	.000011
ime_miss		-.0210178	.0034775	-6.04	0.000	-.0279992	-.0140365
_cons		.1524739	.0375578	4.06	0.000	.0770734	.2278744

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

ldwroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0028364	.0028078	-1.01	0.317	-.0084734 .0028006

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0028364

ldwroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-3.95e-17	.0028078	-0.00	1.000	-.005637 .005637

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 51) = 1.09
 Prob > F = 0.3867

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 51) = 1.02
 Prob > F = 0.3172

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 51) = 0.71
 Prob > F = 0.6635

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(50, 51) = .
 Prob > F = .

R-squared = 0.1172
 Root MSE = .1404

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	-.001095	.0022086	-0.50	0.622	-.0055289	.003339
imm12_adj	-.0002453	.0016425	-0.15	0.882	-.0035428	.0030523
imm13_adj	-.0021326	.0018618	-1.15	0.257	-.0058703	.0016051
imm14_adj	-.0045153	.0021122	-2.14	0.037	-.0087557	-.000275
imm15_adj	.0019001	.0018808	1.01	0.317	-.0018757	.005676
imm16_adj	-.0005086	.0012168	-0.42	0.678	-.0029514	.0019342
imm17_adj	-.0002018	.0012654	-0.16	0.874	-.0027423	.0023387
imm18_adj	.0001164	.0018568	0.06	0.950	-.0036114	.0038442
imm19_adj	.003073	.0025778	1.19	0.239	-.0021022	.0082482
male	.0025486	.0012471	2.04	0.046	.0000449	.0050524
gendermiss_flag	-.0225736	.0055177	-4.09	0.000	-.0336508	-.0114964
tsd_age	-.0006308	.0001265	-4.99	0.000	-.0008848	-.0003768
doage2	-.000096	.0001091	-0.88	0.383	-.0003151	.0001231
doage2miss_flag	-.0137884	.0023357	-5.90	0.000	-.0184775	-.0090994
race_a	-.0001177	.0054167	-0.02	0.983	-.0109921	.0107567
race_b	.0041175	.001445	2.85	0.006	.0012165	.0070185
race_h	-.0044359	.00365	-1.22	0.230	-.0117635	.0028918
race_i	-.0017179	.004873	-0.35	0.726	-.0115007	.008065
race_o	-.0096003	.005753	-1.67	0.101	-.02115	.0019495
race_mis	.0009378	.0039783	0.24	0.815	-.007049	.0089246
tsd_edu_hs	.0022491	.0017789	1.26	0.212	-.001322	.0058203
tsd_edu_mrhs	.0059562	.0019144	3.11	0.003	.0021128	.0097995
tsd_edu_mis	.0083639	.0020297	4.12	0.000	.0042892	.0124386
tsd_mie_exp	-.0068769	.0029398	-2.34	0.023	-.0127788	-.000975
tsd_mie_mis	-.0085175	.0014289	-5.96	0.000	-.0113861	-.005649
tsd_mie_psbl	-.0074224	.0014104	-5.26	0.000	-.0102539	-.0045908
tsd_medicare	-.0060133	.0014307	-4.20	0.000	-.0088854	-.0031411
tsd_medicare_miss	-.0119778	.0045772	-2.62	0.012	-.021167	-.0027886
tsd_depend_1	-.0041089	.0014578	-2.82	0.007	-.0070355	-.0011823
tsd_depend_2	-.0019006	.0013831	-1.37	0.175	-.0046773	.0008762
tsd_depend_miss	-.0115476	.0036719	-3.14	0.003	-.0189194	-.0041759
tsd_vrpr	.0176174	.0025462	6.92	0.000	.0125057	.0227291
tsd_vrpr_miss	.0053936	.0033435	1.61	0.113	-.0013188	.0121059
pdcgrou2	.0025423	.0013232	1.92	0.060	-.0001141	.0051987
pdcgrou3	.0025358	.0017483	1.45	0.153	-.0009741	.0060457
pdcgrou4	.0030256	.0013302	2.27	0.027	.0003552	.005696
pdcgrou5	-.0026748	.0086632	-0.31	0.759	-.0200668	.0147173
cohort2000	-.0016177	.0013178	-1.23	0.225	-.0042632	.0010279
cohort2001	.0002467	.0024612	0.10	0.921	-.0046943	.0051877
cohort2002	.0042625	.0037794	1.13	0.265	-.0033249	.0118499
cohort2003	.0166696	.0067885	2.46	0.018	.0030412	.030298
cohort2004	-.0097158	.0049857	-1.95	0.057	-.0197249	.0002933
award_b4_tsd	.0003781	.0036285	0.10	0.917	-.0069064	.0076626
diaward_tsd	-.0003112	.0000917	-3.39	0.001	-.0004954	-.000127
epeb4twp_flag	-.0173408	.028914	-0.60	0.551	-.0753881	.0407065
ldwb4twp_flag	.0347463	.0150204	2.31	0.025	.0045915	.064901
ldwb4epe_flag	.0964614	.03179	3.03	0.004	.0326403	.1602826
twpb4tsd	.2086267	.0081565	25.58	0.000	.1922519	.2250015
epeb4tsd	-.0744679	.0084297	-8.83	0.000	-.0913913	-.0575446
ldwb4tsd	-.0491158	.0045286	-10.85	0.000	-.0582073	-.0400243
st_AL	-.0161364	.0072003	-2.24	0.029	-.0305917	-.0016812
st_AR	-.009598	.0057863	-1.66	0.103	-.0212144	.0020184
st_AZ	-.0049239	.005781	-0.85	0.398	-.0165297	.0066819
st_CA	-.0273372	.0027066	-10.10	0.000	-.032771	-.0219035
st_CO	-.0156983	.0047848	-3.28	0.002	-.0253041	-.0060925

st_CT	.0027025	.0068226	0.40	0.694	-.0109945	.0163994
st_DC	.0093425	.0023672	3.95	0.000	.0045901	.014095
st_DE	-.0227936	.0108837	-2.09	0.041	-.0446435	-.0009437
st_FL	-.0005216	.0072121	-0.07	0.943	-.0150005	.0139573
st_GA	-.0025222	.0088844	-0.28	0.778	-.0203583	.0153139
st_HI	-.0094879	.0119236	-0.80	0.430	-.0334256	.0144498
st_IA	-.0159092	.010225	-1.56	0.126	-.0364367	.0046183
st_ID	-.0105377	.0077237	-1.36	0.178	-.0260437	.0049683
st_IL	-.0137745	.0027213	-5.06	0.000	-.0192377	-.0083112
st_IN	-.0032059	.0073014	-0.44	0.662	-.017864	.0114522
st_KS	.0012177	.0066692	0.18	0.856	-.0121713	.0146067
st_KY	-.0122697	.0042965	-2.86	0.006	-.0208953	-.0036442
st_LA	-.0007493	.0043532	-0.17	0.864	-.0094887	.0079901
st_MA	.0116743	.0054834	2.13	0.038	.0006658	.0226828
st_MD	.027245	.0099245	2.75	0.008	.0073207	.0471693
st_ME	-.0147598	.0081799	-1.80	0.077	-.0311817	.0016621
st_MI	.0009667	.0021184	0.46	0.650	-.0032862	.0052197
st_MN	.0055838	.0089085	0.63	0.534	-.0123009	.0234684
st_MO	-.0030693	.0065569	-0.47	0.642	-.0162329	.0100943
st_MS	1.93e-06	.0037375	0.00	1.000	-.0075014	.0075052
st_MT	.0041563	.0106878	0.39	0.699	-.0173004	.025613
st_NC	-.03733	.0038925	-9.59	0.000	-.0451446	-.0295154
st_ND	.0091271	.012897	0.71	0.482	-.0167647	.035019
st_NE	-.0389101	.0121125	-3.21	0.002	-.0632268	-.0145933
st_NH	.0117196	.0098721	1.19	0.241	-.0080995	.0315387
st_NJ	.0042744	.0054724	0.78	0.438	-.0067118	.0152606
st_NM	.0033059	.0055453	0.60	0.554	-.0078267	.0144385
st_NV	.0002949	.0069484	0.04	0.966	-.0136545	.0142443
st_NY	-.0022482	.0036826	-0.61	0.544	-.0096414	.0051449
st_OH	-.0153429	.0048453	-3.17	0.003	-.0250701	-.0056156
st_OK	-.0184688	.0060411	-3.06	0.004	-.0305967	-.0063408
st_OR	-.0147434	.00213	-6.92	0.000	-.0190194	-.0104673
st_PA	-.008398	.006065	-1.38	0.172	-.020574	.003778
st_PR	-.0042942	.0144535	-0.30	0.768	-.0333107	.0247224
st_RI	-.0889097	.0092332	-9.63	0.000	-.1074461	-.0703733
st_SC	.0063288	.0028897	2.19	0.033	.0005274	.0121302
st_SD	-.0019005	.0131183	-0.14	0.885	-.0282366	.0244356
st_TN	-.0027867	.006267	-0.44	0.658	-.0153683	.0097948
st_TX	-.024944	.0030271	-8.24	0.000	-.031021	-.0188669
st_UT	.090842	.0065766	13.81	0.000	.077639	.1040451
st_VA	.0013796	.0110227	0.13	0.901	-.0207494	.0235086
st_VT	-.0363556	.0101006	-3.60	0.001	-.0566334	-.0160778
st_WA	.0836529	.0013101	63.85	0.000	.0810229	.086283
st_WI	-.0120189	.0059098	-2.03	0.047	-.0238833	-.0001544
st_WV	.0322519	.0050836	6.34	0.000	.0220462	.0424577
st_WY	-.0129134	.0098109	-1.32	0.194	-.0326096	.0067827
tsd_unemp_mean	.0005872	.0031772	0.18	0.854	-.0057912	.0069657
tsd_unemp_cng	.0050987	.003669	1.39	0.171	-.0022671	.0124645
pial	-6.88e-06	4.29e-06	-1.60	0.115	-.0000155	1.74e-06
pia_miss	-.0155966	.00488	-3.20	0.002	-.0253937	-.0057996
ime1	2.76e-06	1.60e-06	1.72	0.091	-4.59e-07	5.98e-06
ime_miss	.0000123	.0017855	0.01	0.995	-.0035722	.0035968
_cons	.0401458	.0262775	1.53	0.133	-.0126084	.0929

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	.003609	.0026744	1.35	0.183	-.00176	.0089781

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = -.003609

eperoll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	3.56e-17	.0026744	0.00	1.000	-.005369 .005369

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 51) = 1.79
 Prob > F = 0.0936

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 51) = 1.82
 Prob > F = 0.1831

- (1) -.5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) -.5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) -.5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) -.5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) -.5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) -.5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) -.5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 51) = 1.63
 Prob > F = 0.1478

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.1191
 Root MSE = .1942

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
imm10_adj	.0003559	.002988	0.12	0.906	-.0056428 .0063546
imm12_adj	.000052	.0020383	0.03	0.980	-.0040399 .004144
imm13_adj	-.0024725	.00233	-1.06	0.294	-.0071503 .0022053
imm14_adj	-.0049245	.0026063	-1.89	0.065	-.0101568 .0003078
imm15_adj	.0029667	.0015369	1.93	0.059	-.0001187 .0060521
imm16_adj	-.0031917	.0014751	-2.16	0.035	-.0061531 -.0002303
imm17_adj	.0012955	.0019961	0.65	0.519	-.0027119 .0053028
imm18_adj	-.0010319	.0020315	-0.51	0.614	-.0051103 .0030464

imm19_adj	.00309	.0027439	1.13	0.265	-.0024186	.0085985
male	.0035378	.0014789	2.39	0.020	.0005688	.0065068
gendermiss_flag	-.0848657	.0093013	-9.12	0.000	-.1035388	-.0661926
tsd_age	-.0014387	.0001788	-8.05	0.000	-.0017976	-.0010798
doage2	-.000063	.0001595	-0.39	0.695	-.0003832	.0002573
doage2miss_flag	-.0392127	.0041982	-9.34	0.000	-.0476409	-.0307846
race_a	.0060098	.0086542	0.69	0.491	-.0113643	.0233839
race_b	.0098879	.0017192	5.75	0.000	.0064365	.0133393
race_h	-.0069612	.0036602	-1.90	0.063	-.0143093	.0003869
race_i	-.002334	.005535	-0.42	0.675	-.013446	.0087779
race_o	-.003536	.0140455	-0.25	0.802	-.0317334	.0246614
race_mis	.0021431	.004146	0.52	0.607	-.0061803	.0104664
tsd_edu_hs	.0034363	.0016961	2.03	0.048	.0000313	.0068413
tsd_edu_mrhs	.0168431	.0029045	5.80	0.000	.0110121	.022674
tsd_edu_mis	.0133528	.0019797	6.74	0.000	.0093783	.0173274
tsd_mie_exp	-.0107283	.0038001	-2.82	0.007	-.0183572	-.0030993
tsd_mie_mis	-.0128304	.0021378	-6.00	0.000	-.0171222	-.0085386
tsd_mie_psbl	-.0098109	.0019622	-5.00	0.000	-.0137502	-.0058717
tsd_medicare	-.0109685	.0021046	-5.21	0.000	-.0151937	-.0067434
tsd_medicare_miss	-.0308798	.0054442	-5.67	0.000	-.0418095	-.0199501
tsd_depend_1	-.0076529	.0024773	-3.09	0.003	-.0126263	-.0026794
tsd_depend_2	-.0035268	.0015702	-2.25	0.029	-.0066791	-.0003745
tsd_depend_miss	-.020696	.0070185	-2.95	0.005	-.0347861	-.0066058
tsd_vrpr	.013352	.004183	3.19	0.002	.0049543	.0217497
tsd_vrpr_miss	-.0159583	.003843	-4.15	0.000	-.0236734	-.0082432
pdcgrou2	.0006992	.0021571	0.32	0.747	-.0036314	.0050297
pdcgrou3	.00125	.0029546	0.42	0.674	-.0046816	.0071817
pdcgrou4	.0013709	.0021782	0.63	0.532	-.003002	.0057438
pdcgrou5	-.0205641	.0079569	-2.58	0.013	-.0365383	-.0045899
cohort2000	-.0051378	.0023672	-2.17	0.035	-.00989	-.0003855
cohort2001	-.0050421	.0036194	-1.39	0.170	-.0123084	.0022241
cohort2002	-.0009072	.0053939	-0.17	0.867	-.011736	.0099215
cohort2003	.0364521	.0109138	3.34	0.002	.0145418	.0583624
cohort2004	-.0059364	.008861	-0.67	0.506	-.0237255	.0118528
award_b4_tsd	.0077191	.0085079	0.91	0.369	-.0093612	.0247995
diaward_tsd	-.0006544	.0001515	-4.32	0.000	-.0009585	-.0003502
epeb4twp_flag	-.0137145	.0389532	-0.35	0.726	-.0919163	.0644872
ldwb4twp_flag	.036229	.0220554	1.64	0.107	-.008049	.080507
ldwb4epe_flag	.2257659	.0449122	5.03	0.000	.1356009	.3159308
twpb4tsd	.273632	.0068964	39.68	0.000	.2597868	.2874771
epeb4tsd	-.1216359	.0078133	-15.57	0.000	-.1373216	-.1059501
ldwb4tsd	-.0725309	.0054301	-13.36	0.000	-.0834323	-.0616296
st_AL	.0377678	.0087623	4.31	0.000	.0201768	.0553587
st_AR	-.008573	.00735	-1.17	0.249	-.0233288	.0061828
st_AZ	-.0005344	.0072883	-0.07	0.942	-.0151663	.0140976
st_CA	.0127124	.003094	4.11	0.000	.0065008	.0189239
st_CO	-.0346676	.0060364	-5.74	0.000	-.0467861	-.0225491
st_CT	.0184137	.0084926	2.17	0.035	.0013641	.0354634
st_DC	.0286321	.0020899	13.70	0.000	.0244365	.0328277
st_DE	.0138857	.0135937	1.02	0.312	-.0134047	.0411762
st_FL	.0109914	.0090195	1.22	0.229	-.0071159	.0290988
st_GA	.0007916	.010761	0.07	0.942	-.020812	.0223952
st_HI	-.018733	.0147642	-1.27	0.210	-.0483733	.0109074
st_IA	.0021499	.0131255	0.16	0.871	-.0242008	.0285005
st_ID	-.0210625	.0096937	-2.17	0.034	-.0405235	-.0016016
st_IL	.0004671	.0036472	0.13	0.899	-.006855	.0077893
st_IN	.0023986	.0093224	0.26	0.798	-.0163169	.021114
st_KS	.012189	.0084143	1.45	0.154	-.0047034	.0290814
st_KY	-.0134362	.0056685	-2.37	0.022	-.0248161	-.0020563
st_LA	.0038932	.0052742	0.74	0.464	-.0066952	.0144817
st_MA	.0364361	.0072286	5.04	0.000	.0219241	.0509481
st_MD	.0611526	.0122135	5.01	0.000	.0366329	.0856723
st_ME	-.0276093	.0105397	-2.62	0.012	-.0487686	-.00645

st_MI	.0039012	.0025038	1.56	0.125	-.0011254	.0089277
st_MN	.0556141	.011227	4.95	0.000	.033075	.0781531
st_MO	-.0017369	.0083038	-0.21	0.835	-.0184074	.0149337
st_MS	.0004808	.0046128	0.10	0.917	-.0087798	.0097414
st_MT	.0062391	.0134305	0.46	0.644	-.0207238	.0332021
st_NC	.0052989	.0044876	1.18	0.243	-.0037105	.0143082
st_ND	.0169535	.0161666	1.05	0.299	-.0155023	.0494092
st_NE	-.0658904	.0154594	-4.26	0.000	-.0969265	-.0348544
st_NH	.0240923	.0126539	1.90	0.063	-.0013114	.049496
st_NJ	.0094312	.0067117	1.41	0.166	-.004043	.0229054
st_NM	.010486	.0068552	1.53	0.132	-.0032764	.0242483
st_NV	.0066878	.0086744	0.77	0.444	-.0107268	.0241024
st_NY	.0047692	.0047071	1.01	0.316	-.0046806	.0142191
st_OH	-.0417526	.0060929	-6.85	0.000	-.0539845	-.0295206
st_OK	.0036014	.0078461	0.46	0.648	-.0121503	.0193531
st_OR	-.0256365	.0028983	-8.85	0.000	-.0314551	-.019818
st_PA	-.0235002	.0078088	-3.01	0.004	-.0391769	-.0078235
st_PR	-.0214028	.0191034	-1.12	0.268	-.0597544	.0169489
st_RI	-.122643	.0101799	-12.05	0.000	-.1430801	-.1022059
st_SC	-.0061375	.0038284	-1.60	0.115	-.0138234	.0015484
st_SD	.016058	.0165591	0.97	0.337	-.0171859	.0493019
st_TN	-.000526	.0080475	-0.07	0.948	-.0166821	.0156301
st_TX	-.0396427	.0036515	-10.86	0.000	-.0469733	-.032312
st_UT	.0744419	.0083659	8.90	0.000	.0576466	.0912371
st_VA	.0117945	.0137648	0.86	0.396	-.0158395	.0394286
st_VT	-.0570107	.0128373	-4.44	0.000	-.0827826	-.0312387
st_WA	.0859556	.0016138	53.26	0.000	.0827157	.0891955
st_WI	-.0025112	.0076723	-0.33	0.745	-.017914	.0128916
st_WV	.0156094	.0064338	2.43	0.019	.0026931	.0285257
st_WY	.3003004	.0118046	25.44	0.000	.2766016	.3239992
tsd_unemp_mean	.0023582	.0039748	0.59	0.556	-.0056215	.0103379
tsd_unemp_cng	.0052938	.0035474	1.49	0.142	-.0018279	.0124156
pial	-9.85e-06	7.17e-06	-1.37	0.175	-.0000242	4.54e-06
pia_miss	-.0185759	.0084175	-2.21	0.032	-.0354747	-.0016772
ime1	3.68e-06	2.01e-06	1.83	0.073	-3.57e-07	7.71e-06
ime_miss	-.0099742	.0029329	-3.40	0.001	-.0158623	-.0040861
_cons	.1056741	.0348343	3.03	0.004	.0357413	.175607

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

eperoll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0038606	.0024253	1.59	0.118	-.0010085 .0087296

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj =
-.0038606

eperoll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-9.54e-18	.0024253	-0.00	1.000	-.0048691 .0048691

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0

- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 51) = 7.41
 Prob > F = 0.0000

- (1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 51) = 2.53
 Prob > F = 0.1176

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 51) = 5.34
 Prob > F = 0.0001

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.1174
 Root MSE = .23277

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	.0005505	.0032192	0.17	0.865	-.0059123	.0070133
imm12_adj	.0003858	.0025725	0.15	0.881	-.0047788	.0055503
imm13_adj	-.0035077	.0029552	-1.19	0.241	-.0094405	.0024251
imm14_adj	-.0074726	.0022845	-3.27	0.002	-.0120589	-.0028864
imm15_adj	.0046736	.0024026	1.95	0.057	-.0001498	.009497
imm16_adj	-.0025209	.0022121	-1.14	0.260	-.0069619	.00192
imm17_adj	.0001092	.0024247	0.05	0.964	-.0047586	.004977
imm18_adj	-.0014173	.0022594	-0.63	0.533	-.0059531	.0031186
imm19_adj	.0045412	.0031107	1.46	0.150	-.0017038	.0107861
male	.0050018	.0017997	2.78	0.008	.0013887	.0086148
gendermiss_flag	-.1484736	.009702	-15.30	0.000	-.1679512	-.128996
tsd_age	-.0022768	.0002579	-8.83	0.000	-.0027946	-.001759
doage2	-.0000499	.0001613	-0.31	0.758	-.0003737	.0002738
doage2miss_flag	-.0806792	.0057472	-14.04	0.000	-.0922171	-.0691412
race_a	.0035512	.0105739	0.34	0.738	-.0176768	.0247791
race_b	.0165008	.0021024	7.85	0.000	.0122801	.0207215
race_h	-.008162	.0045033	-1.81	0.076	-.0172027	.0008787
race_i	-.0025341	.0104542	-0.24	0.809	-.0235219	.0184536
race_o	-.008703	.0140923	-0.62	0.540	-.0369944	.0195885
race_mis	.002243	.0048996	0.46	0.649	-.0075933	.0120792
tsd_edu_hs	.0054643	.0018943	2.88	0.006	.0016613	.0092674
tsd_edu_mrhs	.0243877	.0027691	8.81	0.000	.0188285	.0299469
tsd_edu_mis	.0157119	.0016064	9.78	0.000	.0124869	.018937

tsd_mie_exp	-.0119273	.0043569	-2.74	0.009	-.0206741	-.0031805
tsd_mie_mis	-.0167738	.0022523	-7.45	0.000	-.0212955	-.0122522
tsd_mie_psbl	-.013237	.0019405	-6.82	0.000	-.0171326	-.0093413
tsd_medicare	-.0150259	.0029504	-5.09	0.000	-.0209492	-.0091027
tsd_medicare_miss	-.0468924	.0057484	-8.16	0.000	-.0584328	-.0353519
tsd_depend_1	-.0108625	.0029158	-3.73	0.000	-.0167163	-.0050087
tsd_depend_2	-.0033173	.0017784	-1.87	0.068	-.0068876	.000253
tsd_depend_miss	-.0275251	.0094677	-2.91	0.005	-.0465323	-.0085179
tsd_vrpr	-.0087228	.0059152	-1.47	0.146	-.0205981	.0031525
tsd_vrpr_miss	-.0520684	.0058312	-8.93	0.000	-.063775	-.0403617
pdcgrou2	-.0048807	.0030819	-1.58	0.119	-.0110677	.0013064
pdcgrou3	-.0003049	.0037057	-0.08	0.935	-.0077445	.0071347
pdcgrou4	-.0013816	.0026383	-0.52	0.603	-.0066781	.0039149
pdcgrou5	-.017957	.019941	-0.90	0.372	-.0579903	.0220763
cohort2000	-.0077534	.0022464	-3.45	0.001	-.0122634	-.0032435
cohort2001	-.0069125	.0040458	-1.71	0.094	-.0150347	.0012098
cohort2002	-.0028883	.0066371	-0.44	0.665	-.0162129	.0104363
cohort2003	.0625603	.0152676	4.10	0.000	.0319093	.0932113
cohort2004	.0369672	.0124898	2.96	0.005	.0118929	.0620415
award_b4_tsd	.0052247	.0093665	0.56	0.579	-.0135793	.0240287
diaward_tsd	-.0008766	.0001788	-4.90	0.000	-.0012356	-.0005175
epeb4twp_flag	-.0076032	.0436143	-0.17	0.862	-.0951625	.0799562
ldwb4twp_flag	.0287065	.0270824	1.06	0.294	-.0256637	.0830767
ldwb4epe_flag	.3606429	.0388167	9.29	0.000	.2827151	.4385707
twpb4tsd	.3022848	.0078688	38.42	0.000	.2864875	.3180821
epeb4tsd	-.1541929	.0076877	-20.06	0.000	-.1696265	-.1387592
ldwb4tsd	-.0901516	.0058503	-15.41	0.000	-.1018967	-.0784066
st_AL	.0212223	.0095708	2.22	0.031	.0020082	.0404364
st_AR	-.0230544	.0078995	-2.92	0.005	-.0389134	-.0071954
st_AZ	-.0179466	.0076211	-2.35	0.022	-.0332466	-.0026467
st_CA	-.0008381	.0035578	-0.24	0.815	-.0079806	.0063044
st_CO	-.0589145	.0065282	-9.02	0.000	-.0720204	-.0458086
st_CT	.0111672	.0093035	1.20	0.236	-.0075105	.0298448
st_DC	.0065231	.002411	2.71	0.009	.0016829	.0113633
st_DE	-.0134223	.01471	-0.91	0.366	-.0429537	.0161092
st_FL	.0054938	.0096394	0.57	0.571	-.0138581	.0248456
st_GA	-.0075462	.0116834	-0.65	0.521	-.0310017	.0159092
st_HI	-.0417718	.0163261	-2.56	0.014	-.0745477	-.0089958
st_IA	.0089934	.0142328	0.63	0.530	-.01958	.0375669
st_ID	.0637324	.0108689	5.86	0.000	.0419122	.0855526
st_IL	-.0217308	.003936	-5.52	0.000	-.0296326	-.013829
st_IN	-.0088241	.0101532	-0.87	0.389	-.0292076	.0115593
st_KS	.0012417	.0092671	0.13	0.894	-.0173627	.0198462
st_KY	-.0340895	.0061511	-5.54	0.000	-.0464384	-.0217406
st_LA	-.0119422	.0055541	-2.15	0.036	-.0230926	-.0007918
st_MA	.0297696	.0076435	3.89	0.000	.0144247	.0451145
st_MD	.0459456	.0131285	3.50	0.001	.019589	.0723023
st_ME	-.0576241	.0115523	-4.99	0.000	-.0808163	-.0344319
st_MI	-.0146128	.0028467	-5.13	0.000	-.0203278	-.0088978
st_MN	.0205111	.0124716	1.64	0.106	-.0045266	.0455489
st_MO	-.0171288	.0090039	-1.90	0.063	-.0352048	.0009472
st_MS	-.0180373	.0046267	-3.90	0.000	-.0273258	-.0087488
st_MT	-.001951	.0145676	-0.13	0.894	-.0311967	.0272947
st_NC	-.0101814	.0047164	-2.16	0.036	-.01965	-.0007128
st_ND	.0091552	.017756	0.52	0.608	-.0264916	.0448019
st_NE	.004422	.0172586	0.26	0.799	-.030226	.03907
st_NH	.0321386	.0137017	2.35	0.023	.0046314	.0596459
st_NJ	-.0021132	.0071444	-0.30	0.769	-.0164563	.0122298
st_NM	-.001412	.0073557	-0.19	0.849	-.0161792	.0133551
st_NV	.0021941	.00927	0.24	0.814	-.0164161	.0208043
st_NY	-.0017201	.0050442	-0.34	0.735	-.0118467	.0084065
st_OH	-.0573276	.0068362	-8.39	0.000	-.0710518	-.0436033
st_OK	.0203986	.0082697	2.47	0.017	.0037965	.0370008

st_OR	-.0357848	.0032525	-11.00	0.000	-.0423145	-.0292552
st_PA	-.0428242	.0083804	-5.11	0.000	-.0596485	-.026
st_PR	-.0693658	.0212593	-3.26	0.002	-.1120455	-.026686
st_RI	.0351627	.0117053	3.00	0.004	.0116634	.058662
st_SC	-.0344401	.0039547	-8.71	0.000	-.0423795	-.0265006
st_SD	-.0009378	.018216	-0.05	0.959	-.0375079	.0356324
st_TN	-.0178734	.0086769	-2.06	0.045	-.0352931	-.0004537
st_TX	-.0182988	.0039618	-4.62	0.000	-.0262523	-.0103452
st_UT	.0452231	.0091326	4.95	0.000	.0268887	.0635575
st_VA	.0062263	.0149797	0.42	0.679	-.0238468	.0362993
st_VT	-.0523876	.0134682	-3.89	0.000	-.079426	-.0253491
st_WA	.069787	.0021531	32.41	0.000	.0654645	.0741094
st_WI	-.0383575	.0082689	-4.64	0.000	-.0549579	-.0217571
st_WV	.035469	.0071151	4.99	0.000	.0211849	.0497532
st_WY	.2584472	.0133998	19.29	0.000	.231546	.2853484
tsd_unemp_mean	.0055523	.0044311	1.25	0.216	-.0033434	.0144481
tsd_unemp_cng	.0078013	.0036721	2.12	0.039	.0004292	.0151735
pial	2.03e-06	.0000105	0.19	0.847	-.000019	.000023
pia_miss	-.014092	.0096746	-1.46	0.151	-.0335146	.0053306
ime1	-1.30e-06	2.74e-06	-0.48	0.637	-6.81e-06	4.20e-06
ime_miss	-.0246757	.0033047	-7.47	0.000	-.0313103	-.0180412
_cons	.190978	.0419414	4.55	0.000	.1067771	.2751789

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

eperoll136	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0046583	.0025669	1.81	0.075	-.000495 .0098116

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj =
-.0046583

eperoll136	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-4.86e-17	.0025669	-0.00	1.000	-.0051533 .0051533

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 51) = 4.65
Prob > F = 0.0002

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 51) = 3.29
Prob > F = 0.0754

(1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0

- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 51) = 5.06
 Prob > F = 0.0002

N:\Secure_Data-
 DC1\08977_TTW_Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.1149
 Root MSE = .25663

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	.0004732	.0041888	0.11	0.911	-.0079363	.0088826
imm12_adj	.0022257	.0027863	0.80	0.428	-.003368	.0078195
imm13_adj	-.001639	.0035588	-0.46	0.647	-.0087837	.0055057
imm14_adj	-.0037726	.0020952	-1.80	0.078	-.0079788	.0004336
imm15_adj	.006157	.002666	2.31	0.025	.0008047	.0115092
imm16_adj	-.0008873	.0023279	-0.38	0.705	-.0055607	.0037861
imm17_adj	-.00171	.0029289	-0.58	0.562	-.0075899	.0041699
imm18_adj	-.0018622	.0027772	-0.67	0.506	-.0074377	.0037133
imm19_adj	.001509	.0036972	0.41	0.685	-.0059135	.0089316
male	.004709	.0021695	2.17	0.035	.0003537	.0090644
gendermiss_flag	-.196557	.010025	-19.61	0.000	-.216683	-.1764311
tsd_age	-.0030504	.0003308	-9.22	0.000	-.0037145	-.0023863
doage2	.0000756	.0001923	0.39	0.696	-.0003104	.0004617
doage2miss_flag	-.1013187	.007268	-13.94	0.000	-.1159097	-.0867276
race_a	.003824	.0147794	0.26	0.797	-.025847	.0334949
race_b	.0170502	.0021523	7.92	0.000	.0127292	.0213712
race_h	-.0047461	.0055906	-0.85	0.400	-.0159698	.0064776
race_i	-.0026295	.0110173	-0.24	0.812	-.0247477	.0194887
race_o	-.0072217	.0163868	-0.44	0.661	-.0401197	.0256763
race_mis	-.0027403	.0054335	-0.50	0.616	-.0136486	.0081679
tsd_edu_hs	.0077586	.0022876	3.39	0.001	.0031661	.012351
tsd_edu_mrhs	.0303584	.0032095	9.46	0.000	.0239151	.0368016
tsd_edu_mis	.0182366	.0022195	8.22	0.000	.0137808	.0226924
tsd_mie_exp	-.0125965	.0054738	-2.30	0.025	-.0235856	-.0016074
tsd_mie_mis	-.0170687	.0022586	-7.56	0.000	-.0216029	-.0125344
tsd_mie_psbl	-.011835	.0025205	-4.70	0.000	-.0168952	-.0067749
tsd_medicare	-.0177723	.0034821	-5.10	0.000	-.024763	-.0107816
tsd_medicare_miss	-.0586666	.0063411	-9.25	0.000	-.0713968	-.0459364
tsd_depend_1	-.0099292	.0031811	-3.12	0.003	-.0163156	-.0035427
tsd_depend_2	-.0002294	.0016675	-0.14	0.891	-.003577	.0031182
tsd_depend_miss	-.0373846	.0095944	-3.90	0.000	-.0566461	-.0181231
tsd_vrpr	-.0286598	.0049804	-5.75	0.000	-.0386584	-.0186612
tsd_vrpr_miss	-.0823257	.0051892	-15.86	0.000	-.0927435	-.071908
pdcgrou2	-.0077889	.0033867	-2.30	0.026	-.014588	-.0009898
pdcgrou3	-.0006806	.0037566	-0.18	0.857	-.0082223	.0068612
pdcgrou4	-.0025949	.0030076	-0.86	0.392	-.0086328	.0034431
pdcgrou5	-.0318377	.0197132	-1.62	0.112	-.0714135	.0077381
cohort2000	-.0099798	.0029618	-3.37	0.001	-.0159258	-.0040338

cohort2001	-.0106964	.0047899	-2.23	0.030	-.0203125	-.0010803
cohort2002	-.0058061	.0068971	-0.84	0.404	-.0196525	.0080403
cohort2003	.0773995	.0202842	3.82	0.000	.0366773	.1181217
cohort2004	.05627	.0132199	4.26	0.000	.02973	.0828101
award_b4_tsd	.0044068	.0102354	0.43	0.669	-.0161417	.0249553
diaward_tsd	-.0009703	.0002553	-3.80	0.000	-.0014829	-.0004577
epeb4twp_flag	-.0059188	.0461337	-0.13	0.898	-.0985361	.0866986
ldwb4twp_flag	.020776	.0304055	0.68	0.498	-.0402657	.0818176
ldwb4epe_flag	.4930327	.039891	12.36	0.000	.4129481	.5731173
twpb4tsd	.3083221	.0075687	40.74	0.000	.2931273	.323517
epeb4tsd	-.1737299	.0076505	-22.71	0.000	-.1890889	-.1583708
ldwb4tsd	-.1008457	.0054802	-18.40	0.000	-.1118477	-.0898438
st_AL	-.0006656	.0126856	-0.05	0.958	-.0261331	.0248019
st_AR	-.028261	.0109314	-2.59	0.013	-.0502067	-.0063153
st_AZ	-.0219108	.0094231	-2.33	0.024	-.0408284	-.0029932
st_CA	-.0038091	.0043387	-0.88	0.384	-.0125194	.0049013
st_CO	-.0680318	.0085781	-7.93	0.000	-.085253	-.0508105
st_CT	.0038929	.0124138	0.31	0.755	-.0210288	.0288146
st_DC	.012847	.0038191	3.36	0.001	.0051799	.0205141
st_DE	-.0045464	.0191554	-0.24	0.813	-.0430024	.0339096
st_FL	.0013844	.0122313	0.11	0.910	-.023171	.0259398
st_GA	-.0179283	.0154059	-1.16	0.250	-.048857	.0130003
st_HI	-.0655861	.0217642	-3.01	0.004	-.1092796	-.0218926
st_IA	.0229184	.0184463	1.24	0.220	-.014114	.0599508
st_ID	.0427806	.0127913	3.34	0.002	.0171011	.0684601
st_IL	-.0314857	.0049142	-6.41	0.000	-.0413513	-.0216202
st_IN	-.0167649	.0136337	-1.23	0.224	-.0441357	.010606
st_KS	.0007775	.0126392	0.06	0.951	-.0245968	.0261518
st_KY	-.0394371	.0082481	-4.78	0.000	-.0559958	-.0228784
st_LA	-.0124729	.0075775	-1.65	0.106	-.0276854	.0027396
st_MA	.0332932	.0098055	3.40	0.001	.0136078	.0529786
st_MD	.0559259	.0177891	3.14	0.003	.0202129	.0916389
st_ME	-.0785859	.0151168	-5.20	0.000	-.1089342	-.0482376
st_MI	-.0180857	.004201	-4.31	0.000	-.0265196	-.0096518
st_MN	.0295126	.0165593	1.78	0.081	-.0037316	.0627569
st_MO	-.0209402	.0120928	-1.73	0.089	-.0452174	.0033371
st_MS	-.0252175	.005815	-4.34	0.000	-.0368915	-.0135434
st_MT	-.0126072	.018797	-0.67	0.505	-.0503438	.0251294
st_NC	-.0062937	.0061539	-1.02	0.311	-.0186482	.0060607
st_ND	.0022284	.02307	0.10	0.923	-.0440867	.0485434
st_NE	-.0319189	.022328	-1.43	0.159	-.0767442	.0129065
st_NH	.0377718	.0174567	2.16	0.035	.0027259	.0728177
st_NJ	-.0077887	.0093077	-0.84	0.407	-.0264747	.0108973
st_NM	-.0039823	.0102064	-0.39	0.698	-.0244726	.016508
st_NV	-.0108851	.0116454	-0.93	0.354	-.0342642	.012494
st_NY	-.0058527	.0065482	-0.89	0.376	-.0189988	.0072934
st_OH	-.0803198	.0087555	-9.17	0.000	-.0978972	-.0627423
st_OK	.0140439	.0112924	1.24	0.219	-.0086265	.0367143
st_OR	-.0112287	.003799	-2.96	0.005	-.0188555	-.0036018
st_PA	-.0642395	.0110056	-5.84	0.000	-.0863341	-.0421449
st_PR	-.0747088	.0256193	-2.92	0.005	-.1261418	-.0232759
st_RI	.0135135	.0135216	1.00	0.322	-.0136323	.0406593
st_SC	-.039286	.0055286	-7.11	0.000	-.0503853	-.0281868
st_SD	-.0039796	.0239049	-0.17	0.868	-.0519708	.0440115
st_TN	-.0238989	.0119305	-2.00	0.050	-.0478505	.0000526
st_TX	-.03039	.0052951	-5.74	0.000	-.0410204	-.0197596
st_UT	.0297775	.0114262	2.61	0.012	.0068384	.0527166
st_VA	-.0017974	.019611	-0.09	0.927	-.0411682	.0375734
st_VT	-.0063522	.0173096	-0.37	0.715	-.0411026	.0283981
st_WA	.0483497	.0022996	21.03	0.000	.0437331	.0529663
st_WI	-.0339414	.0107057	-3.17	0.003	-.055434	-.0124489
st_WV	.0136949	.009181	1.49	0.142	-.0047366	.0321265
st_WY	.2259431	.018469	12.23	0.000	.1888649	.2630212

tsd_unemp_mean		.0032886	.0057422	0.57	0.569	-.0082394	.0148166
tsd_unemp_cng		.0007564	.0048467	0.16	0.877	-.0089736	.0104865
pial		6.94e-06	.0000104	0.66	0.510	-.000014	.0000279
pia_miss		-.0043678	.0093839	-0.47	0.644	-.0232066	.0144711
ime1		-4.28e-06	2.91e-06	-1.47	0.147	-.0000101	1.56e-06
ime_miss		-.0354748	.0037325	-9.50	0.000	-.0429681	-.0279815
_cons		.2802272	.0512316	5.47	0.000	.1773756	.3830789

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

eperoll48		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)		-.0004937	.0031977	-0.15	0.878	-.0069134 .005926

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0004937

eperoll48		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)		1.44e-17	.0031977	0.00	1.000	-.0064197 .0064197

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 51) = 2.07
 Prob > F = 0.0499

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 51) = 0.02
 Prob > F = 0.8779

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 51) = 2.17
 Prob > F = 0.0528

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(50, 51) = .

Prob > F = .
R-squared = 0.0198
Root MSE = .17901

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	.0006759	.0019823	0.34	0.735	-.0033038	.0046555
imm12_adj	-.0019642	.0019071	-1.03	0.308	-.0057928	.0018644
imm13_adj	-.00328	.0027772	-1.18	0.243	-.0088554	.0022955
imm14_adj	-.0019094	.0019103	-1.00	0.322	-.0057446	.0019257
imm15_adj	.0007272	.0025312	0.29	0.775	-.0043543	.0058087
imm16_adj	-.0025316	.0021954	-1.15	0.254	-.0069391	.001876
imm17_adj	.000634	.0026705	0.24	0.813	-.0047273	.0059954
imm18_adj	.0021155	.0020398	1.04	0.305	-.0019795	.0062106
imm19_adj	.0033926	.0025034	1.36	0.181	-.0016331	.0084184
male	.0024385	.0015092	1.62	0.112	-.0005915	.0054684
gendermiss_flag	-.10104	.0094152	-10.73	0.000	-.1199417	-.0821383
tsd_age	-.001169	.0001441	-8.11	0.000	-.0014582	-.0008798
doage2	-5.08e-06	.0001359	-0.04	0.970	-.0002778	.0002677
doage2miss_flag	-.0400043	.0038668	-10.35	0.000	-.0477672	-.0322414
race_a	.0039264	.0080006	0.49	0.626	-.0121355	.0199882
race_b	.0082099	.0019527	4.20	0.000	.0042896	.0121301
race_h	-.0034008	.0025714	-1.32	0.192	-.0085631	.0017615
race_i	-.0022011	.0081128	-0.27	0.787	-.0184882	.0140861
race_o	.0138573	.0174242	0.80	0.430	-.0211232	.0488378
race_mis	.0069273	.0055062	1.26	0.214	-.004127	.0179815
tsd_edu_hs	.0018742	.0015835	1.18	0.242	-.0013049	.0050533
tsd_edu_mrhs	.0115963	.0027081	4.28	0.000	.0061596	.017033
tsd_edu_mis	.0034423	.0016261	2.12	0.039	.0001777	.0067068
tsd_mie_exp	.0014198	.0031601	0.45	0.655	-.0049244	.0077639
tsd_mie_mis	-.0044639	.0016543	-2.70	0.009	-.007785	-.0011429
tsd_mie_psbl	.0038163	.0020809	1.83	0.073	-.0003614	.007994
tsd_medicare	-.0166979	.0018313	-9.12	0.000	-.0203744	-.0130213
tsd_medicare_miss	-.0198383	.0063755	-3.11	0.003	-.0326377	-.0070389
tsd_depend_1	-.0059748	.0020994	-2.85	0.006	-.0101895	-.0017601
tsd_depend_2	-.0012505	.0013704	-0.91	0.366	-.0040017	.0015006
tsd_depend_miss	-.0151639	.0040849	-3.71	0.001	-.0233646	-.0069632
tsd_vrpr	-.0101104	.0034696	-2.91	0.005	-.0170759	-.003145
tsd_vrpr_miss	-.0356853	.0028943	-12.33	0.000	-.0414959	-.0298747
pdcgrou2	-.0061818	.0034392	-1.80	0.078	-.0130864	.0007227
pdcgrou3	-.0060998	.0033793	-1.81	0.077	-.012884	.0006844
pdcgrou4	-.004754	.0026927	-1.77	0.083	-.0101597	.0006517
pdcgrou5	-.0057877	.0180599	-0.32	0.750	-.0420444	.0304691
cohort2000	-.005502	.0027142	-2.03	0.048	-.010951	-.0000529
cohort2001	-.0048619	.0043399	-1.12	0.268	-.0135745	.0038508
cohort2002	-.0062777	.0061053	-1.03	0.309	-.0185345	.0059792
cohort2003	.0011643	.0121373	0.10	0.924	-.0232023	.0255308
cohort2004	-.0308908	.0095598	-3.23	0.002	-.0500828	-.0116987
award_b4_tsd	.0087226	.009147	0.95	0.345	-.0096407	.027086
diaward_tsd	-.0002174	.0001501	-1.45	0.154	-.0005188	.000084
epeb4twp_flag	.1051062	.1127952	0.93	0.356	-.1213395	.331552
ldwb4twp_flag	.0150899	.0720289	0.21	0.835	-.1295142	.1596939
ldwb4epe_flag	.1849225	.0346867	5.33	0.000	.1152861	.2545589
twpb4tsd	-.0179673	.0086398	-2.08	0.043	-.0353123	-.0006223
epeb4tsd	-.0322817	.003235	-9.98	0.000	-.0387761	-.0257872
ldwb4tsd	-.0166637	.0023615	-7.06	0.000	-.0214045	-.0119228
st_AL	-.0075513	.0067446	-1.12	0.268	-.0210916	.005989
st_AR	-.0138246	.0054086	-2.56	0.014	-.0246829	-.0029664
st_AZ	-.0061816	.0053512	-1.16	0.253	-.0169246	.0045615
st_CA	.0152294	.0025135	6.06	0.000	.0101833	.0202755

st_CO	-.0356422	.0046922	-7.60	0.000	-.0450622	-.0262223
st_CT	.0051528	.006382	0.81	0.423	-.0076595	.0179651
st_DC	.0013909	.0022911	0.61	0.546	-.0032087	.0059905
st_DE	.0305783	.0100816	3.03	0.004	.0103387	.0508179
st_FL	.003912	.0068172	0.57	0.569	-.0097774	.017598
st_GA	-.0070149	.0080093	-0.88	0.385	-.0230943	.0090645
st_HI	-.0406316	.0116575	-3.49	0.001	-.0640349	-.0172282
st_IA	.0137807	.0092764	1.49	0.144	-.0048425	.032404
st_ID	-.0361767	.0066159	-5.47	0.000	-.0494588	-.0228947
st_IL	-.003144	.0029397	-1.07	0.290	-.0090458	.0027577
st_IN	-.0069431	.0068696	-1.01	0.317	-.0207345	.0068483
st_KS	.0002946	.0062891	0.05	0.963	-.0123312	.0129205
st_KY	-.0160793	.0043723	-3.68	0.001	-.0248569	-.0073016
st_LA	-.0037672	.0041359	-0.91	0.367	-.0120703	.0045359
st_MA	.035824	.0054969	6.52	0.000	.0247885	.0468594
st_MD	-.0428125	.0090708	-4.72	0.000	-.0610228	-.0246022
st_ME	-.0373096	.0076704	-4.86	0.000	-.0527086	-.0219105
st_MI	-.0032863	.0022892	-1.44	0.157	-.0078821	.0013095
st_MN	.0571287	.0085123	6.71	0.000	.0400395	.0742178
st_MO	-.0028753	.0061093	-0.47	0.640	-.0151402	.0093896
st_MS	-.0070629	.0036506	-1.93	0.059	-.0143917	.000266
st_MT	-.0097063	.0094892	-1.02	0.311	-.0287567	.009344
st_NC	.0540166	.0033767	16.00	0.000	.0472375	.0607956
st_ND	-.0139402	.0116213	-1.20	0.236	-.0372709	.0093905
st_NE	-.0604303	.010858	-5.57	0.000	-.0822286	-.0386319
st_NH	.0060897	.0091694	0.66	0.510	-.0123186	.0244981
st_NJ	.0000185	.0052106	0.00	0.997	-.0104423	.0104793
st_NM	-.0021248	.0049914	-0.43	0.672	-.0121455	.007896
st_NV	.0040728	.0064618	0.63	0.531	-.0088998	.0170454
st_NY	.0025293	.0041303	0.61	0.543	-.0057626	.0108213
st_OH	-.0278963	.0043456	-6.42	0.000	-.0366204	-.0191722
st_OK	-.0324047	.0059589	-5.44	0.000	-.0443676	-.0204417
st_OR	-.0012814	.0023687	-0.54	0.591	-.0060367	.0034739
st_PA	-.0239185	.0058415	-4.09	0.000	-.0356459	-.0121911
st_PR	-.0030033	.0124134	-0.24	0.810	-.0279243	.0219177
st_RI	.1646027	.0060828	27.06	0.000	.152391	.1768144
st_SC	-.02892	.0032947	-8.78	0.000	-.0355344	-.0223057
st_SD	-.0065139	.0117073	-0.56	0.580	-.0300173	.0169895
st_TN	-.0110717	.0059634	-1.86	0.069	-.0230438	.0009003
st_TX	-.0048131	.0026122	-1.84	0.071	-.0100572	.0004311
st_UT	-.027773	.0064064	-4.34	0.000	-.0406345	-.0149115
st_VA	-.0040769	.0101241	-0.40	0.689	-.0244019	.0162481
st_VT	.030809	.0094242	3.27	0.002	.0118891	.049729
st_WA	.0397232	.0012692	31.30	0.000	.0371752	.0422712
st_WI	-.0202966	.0059265	-3.42	0.001	-.0321946	-.0083987
st_WV	.0245981	.0053133	4.63	0.000	.0139313	.035265
st_WY	-.0485978	.0094374	-5.15	0.000	-.0675442	-.0296514
tsd_unemp_mean	-.0012876	.0028581	-0.45	0.654	-.0070254	.0044503
tsd_unemp_cng	.0068887	.0033702	2.04	0.046	.0001227	.0136547
pial	.0000247	7.27e-06	3.39	0.001	.0000101	.0000392
pia_miss	.0094575	.0061999	1.53	0.133	-.0029892	.0219043
ime1	-6.06e-06	1.86e-06	-3.25	0.002	-9.80e-06	-2.32e-06
ime_miss	-.018283	.0025687	-7.12	0.000	-.0234398	-.0131261
_cons	.1299466	.0271109	4.79	0.000	.0755192	.184374

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

twproll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.00214	.0021844	0.98	0.332	-.0022454 .0065253

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = -.00214

twproll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-3.04e-18	.0021844	-0.00	1.000	-.0043854	.0043854

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 51) = 0.78
 Prob > F = 0.6324

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 51) = 0.96
 Prob > F = 0.3319

- (1) -.5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) -.5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) -.5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) -.5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) -.5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) -.5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) -.5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 51) = 0.91
 Prob > F = 0.5028

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.0332
 Root MSE = .23404

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	.0001036	.001899	0.05	0.957	-.0037089	.0039161
imm12_adj	-.0010256	.0018768	-0.55	0.587	-.0047934	.0027421
imm13_adj	-.0017238	.0026679	-0.65	0.521	-.0070798	.0036321
imm14_adj	-.0043866	.0022702	-1.93	0.059	-.0089443	.0001711
imm15_adj	.0006452	.0030834	0.21	0.835	-.0055449	.0068353
imm16_adj	-.0009925	.0024041	-0.41	0.681	-.0058188	.0038339
imm17_adj	.0006887	.0030835	0.22	0.824	-.0055018	.0068791

imm18_adj	.0010734	.0022232	0.48	0.631	-.0033899	.0055367
imm19_adj	.0037289	.0028786	1.30	0.201	-.00205	.0095079
male	.0014248	.0017167	0.83	0.410	-.0020217	.0048713
gendermiss_flag	-.203338	.0111144	-18.29	0.000	-.2256512	-.1810249
tsd_age	-.0018958	.0002613	-7.25	0.000	-.0024205	-.0013711
doage2	-.000141	.0001844	-0.76	0.448	-.0005112	.0002291
doage2miss_flag	-.078403	.0052487	-14.94	0.000	-.0889403	-.0678657
race_a	.0047309	.012513	0.38	0.707	-.0203899	.0298517
race_b	.013912	.0023764	5.85	0.000	.0091411	.0186829
race_h	-.0011159	.0060246	-0.19	0.854	-.0132108	.010979
race_i	-.0012317	.0121133	-0.10	0.919	-.0255501	.0230867
race_o	.0115985	.0176247	0.66	0.513	-.0237846	.0469815
race_mis	.0021514	.0056828	0.38	0.707	-.0092573	.0135602
tsd_edu_hs	.0020558	.0018583	1.11	0.274	-.0016748	.0057865
tsd_edu_mrhs	.0212144	.0030227	7.02	0.000	.015146	.0272829
tsd_edu_mis	.0049125	.0022428	2.19	0.033	.0004099	.0094151
tsd_mie_exp	.0057526	.004383	1.31	0.195	-.0030466	.0145518
tsd_mie_mis	-.0059957	.0025439	-2.36	0.022	-.0111027	-.0008886
tsd_mie_psbl	.0061432	.0027793	2.21	0.032	.0005636	.0117228
tsd_medicare	-.0247354	.0027983	-8.84	0.000	-.0303533	-.0191175
tsd_medicare_miss	-.0377896	.0077673	-4.87	0.000	-.0533832	-.0221961
tsd_depend_1	-.006774	.003111	-2.18	0.034	-.0130195	-.0005285
tsd_depend_2	.0004074	.0022377	0.18	0.856	-.004085	.0048998
tsd_depend_mis	-.0330264	.0044978	-7.34	0.000	-.0420562	-.0239966
tsd_vrpr	-.0428201	.0062205	-6.88	0.000	-.0553082	-.030332
tsd_vrpr_miss	-.0840406	.0066512	-12.64	0.000	-.0973934	-.0706878
pdcgrou2	-.0099299	.0039028	-2.54	0.014	-.0177651	-.0020948
pdcgrou3	-.009023	.0044222	-2.04	0.047	-.0179009	-.0001451
pdcgrou4	-.0088559	.0032946	-2.69	0.010	-.0154702	-.0022416
pdcgrou5	.0001245	.0197905	0.01	0.995	-.0396066	.0398556
cohort2000	-.0090426	.004034	-2.24	0.029	-.0171412	-.000944
cohort2001	-.0141214	.0068224	-2.07	0.044	-.0278179	-.0004249
cohort2002	-.015553	.0094952	-1.64	0.108	-.0346155	.0035095
cohort2003	.0136232	.021476	0.63	0.529	-.0294918	.0567382
cohort2004	-.0107622	.0218825	-0.49	0.625	-.0546933	.0331688
award_b4_tsd	.0143586	.0104319	1.38	0.175	-.0065844	.0353015
diaward_tsd	-.000632	.0002818	-2.24	0.029	-.0011978	-.0000663
epeb4twp_flag	.0310021	.1386006	0.22	0.824	-.2472502	.3092545
ldwb4twp_flag	.4187399	.1206731	3.47	0.001	.1764787	.6610012
ldwb4epe_flag	.2339752	.0281258	8.32	0.000	.1775102	.2904401
twpb4tsd	-.0465416	.0087683	-5.31	0.000	-.0641448	-.0289384
epeb4tsd	-.0513391	.0036746	-13.97	0.000	-.0587162	-.043962
ldwb4tsd	-.0246403	.0028473	-8.65	0.000	-.0303565	-.018924
st_AL	.0298534	.0080375	3.71	0.001	.0137174	.0459893
st_AR	-.0158514	.0065319	-2.43	0.019	-.0289647	-.0027381
st_AZ	-.0079558	.0062405	-1.27	0.208	-.0204841	.0045724
st_CA	.0221348	.0028476	7.77	0.000	.016418	.0278517
st_CO	-.0524934	.0054115	-9.70	0.000	-.0633574	-.0416294
st_CT	.0079962	.0071741	1.11	0.270	-.0064065	.0223989
st_DC	-.0101072	.0029963	-3.37	0.001	-.0161226	-.0040918
st_DE	.0029348	.0115807	0.25	0.801	-.0203144	.0261839
st_FL	.0068683	.0077834	0.88	0.382	-.0087576	.0224942
st_GA	-.0106584	.0095516	-1.12	0.270	-.029834	.0085172
st_HI	-.0668891	.0130304	-5.13	0.000	-.0930486	-.0407296
st_IA	-.0100434	.0107682	-0.93	0.355	-.0316614	.0115746
st_ID	.0479416	.009417	5.09	0.000	.0290363	.066847
st_IL	-.0221725	.0034624	-6.40	0.000	-.0291236	-.0152214
st_IN	-.0075972	.0080613	-0.94	0.350	-.0237808	.0085865
st_KS	.0054989	.0073438	0.75	0.457	-.0092445	.0202423
st_KY	-.0215778	.0052727	-4.09	0.000	-.0321632	-.0109924
st_LA	-.0050066	.0050042	-1.00	0.322	-.0150529	.0050397
st_MA	.0398158	.0061854	6.44	0.000	.027398	.0522335
st_MD	-.0065258	.0103556	-0.63	0.531	-.0273156	.014264

st_ME	-.0659543	.0088281	-7.47	0.000	-.0836775	-.0482311
st_MI	-.0068837	.0029265	-2.35	0.023	-.012759	-.0010084
st_MN	.0228774	.0094892	2.41	0.020	.003827	.0419277
st_MO	-.0059573	.0071915	-0.83	0.411	-.0203947	.0084801
st_MS	-.0136043	.0047822	-2.84	0.006	-.0232049	-.0040037
st_MT	-.0118202	.0111218	-1.06	0.293	-.0341482	.0105079
st_NC	.0505653	.0040581	12.46	0.000	.0424184	.0587122
st_ND	-.0191523	.0136455	-1.40	0.167	-.0465468	.0082422
st_NE	.0081048	.0129839	0.62	0.535	-.0179615	.034171
st_NH	.0249463	.0107102	2.33	0.024	.0034446	.0464479
st_NJ	.0002387	.0058443	0.04	0.968	-.0114943	.0119716
st_NM	-.0054407	.0052567	-1.03	0.306	-.015994	.0051127
st_NV	.0038397	.0074701	0.51	0.609	-.0111571	.0188366
st_NY	.0024609	.0044533	0.55	0.583	-.0064795	.0114013
st_OH	-.0332633	.0053214	-6.25	0.000	-.0439465	-.0225802
st_OK	.0132156	.0067599	1.95	0.056	-.0003555	.0267866
st_OR	.0126763	.002625	4.83	0.000	.0074064	.0179462
st_PA	-.0069263	.0066967	-1.03	0.306	-.0203705	.0065178
st_PR	-.0244248	.0168017	-1.45	0.152	-.0581555	.009306
st_RI	.1432648	.0077208	18.56	0.000	.1277648	.1587649
st_SC	-.0384234	.0040185	-9.56	0.000	-.0464908	-.030356
st_SD	-.0219007	.0138861	-1.58	0.121	-.0497782	.0059767
st_TN	-.0163021	.0070593	-2.31	0.025	-.0304743	-.00213
st_TX	-.0084014	.003248	-2.59	0.013	-.014922	-.0018809
st_UT	-.0415999	.007025	-5.92	0.000	-.0557032	-.0274967
st_VA	-.002887	.0118677	-0.24	0.809	-.0267124	.0209384
st_VT	.0743569	.0113312	6.56	0.000	.0516087	.0971052
st_WA	.0642935	.001876	34.27	0.000	.0605272	.0680598
st_WI	-.024649	.0071408	-3.45	0.001	-.0389849	-.0103132
st_WV	.0531862	.0065439	8.13	0.000	.0400488	.0663237
st_WY	.2416649	.0118231	20.44	0.000	.2179291	.2654008
tsd_unemp_mean	-.0017169	.0032965	-0.52	0.605	-.0083348	.004901
tsd_unemp_cng	.0085533	.0034844	2.45	0.018	.0015581	.0155484
pial	.0000368	9.39e-06	3.92	0.000	.0000179	.0000556
pia_miss	.0186178	.0067888	2.74	0.008	.0049888	.0322468
ime1	-.0000108	2.44e-06	-4.44	0.000	-.0000157	-5.93e-06
ime_miss	-.0324107	.0033157	-9.77	0.000	-.0390672	-.0257542
_cons	.2535053	.036533	6.94	0.000	.1801622	.3268484

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

twpro1124	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0018886	.0028848	0.65	0.516	-.0039028 .0076801

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj =
-.0018886

twpro1124	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-3.23e-17	.0028848	-0.00	1.000	-.0057915 .0057915

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0

- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 51) = 0.65
 Prob > F = 0.7529

- (1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 51) = 0.43
 Prob > F = 0.5156

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 51) = 0.60
 Prob > F = 0.7528

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.0439
 Root MSE = .26696

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	.0001691	.0028266	0.06	0.953	-.0055054	.0058437
imm12_adj	.0007903	.0023975	0.33	0.743	-.0040229	.0056035
imm13_adj	.000839	.0028067	0.30	0.766	-.0047957	.0064737
imm14_adj	-.004682	.0030823	-1.52	0.135	-.01087	.0015061
imm15_adj	-.0003885	.0035517	-0.11	0.913	-.0075188	.0067418
imm16_adj	.0005233	.0026136	0.20	0.842	-.0047238	.0057703
imm17_adj	-.0024914	.003901	-0.64	0.526	-.0103229	.0053401
imm18_adj	.0010388	.0031422	0.33	0.742	-.0052695	.0073471
imm19_adj	.0022138	.003931	0.56	0.576	-.005678	.0101055
male	.0014192	.0018528	0.77	0.447	-.0023005	.0051388
gendermiss_flag	-.263781	.0130709	-20.18	0.000	-.2900219	-.2375401
tsd_age	-.0026897	.0004021	-6.69	0.000	-.003497	-.0018824
doage2	-.0000776	.0002506	-0.31	0.758	-.0005808	.0004255
doage2miss_flag	-.1155753	.0066392	-17.41	0.000	-.1289042	-.1022465
race_a	.0052334	.0123996	0.42	0.675	-.0196599	.0301267
race_b	.0148257	.0024152	6.14	0.000	.009977	.0196743
race_h	-.0006014	.006496	-0.09	0.927	-.0136426	.0124399
race_i	-.0043059	.013484	-0.32	0.751	-.0313761	.0227643
race_o	.0069969	.0172236	0.41	0.686	-.0275809	.0415748
race_mis	-.0031674	.0063062	-0.50	0.618	-.0158277	.0094928
tsd_edu_hs	.0026967	.0020778	1.30	0.200	-.0014747	.0068681
tsd_edu_mrhs	.0277907	.0040071	6.94	0.000	.0197462	.0358353

tsd_edu_mis	.0058722	.002424	2.42	0.019	.0010058	.0107386
tsd_mie_exp	.0127667	.0043307	2.95	0.005	.0040724	.021461
tsd_mie_mis	-.0038898	.0023515	-1.65	0.104	-.0086106	.000831
tsd_mie_psbl	.0100896	.0025138	4.01	0.000	.0050431	.0151362
tsd_medicare	-.02868	.0032038	-8.95	0.000	-.0351119	-.0222482
tsd_medicare_mis	-.0560572	.0083479	-6.72	0.000	-.0728163	-.0392981
tsd_depend_1	-.0078955	.003135	-2.52	0.015	-.0141892	-.0016017
tsd_depend_2	.0021855	.0023248	0.94	0.352	-.0024818	.0068527
tsd_depend_mis	-.0459966	.0054015	-8.52	0.000	-.0568405	-.0351527
tsd_vrpr	-.063569	.0060014	-10.59	0.000	-.0756174	-.0515206
tsd_vrpr_mis	-.1175692	.0063093	-18.63	0.000	-.1302356	-.1049028
pdcgrou2	-.0186469	.0042018	-4.44	0.000	-.0270823	-.0102114
pdcgrou3	-.0131087	.0047807	-2.74	0.008	-.0227064	-.003511
pdcgrou4	-.0154445	.0039128	-3.95	0.000	-.0232998	-.0075891
pdcgrou5	-.0100863	.0285048	-0.35	0.725	-.0673122	.0471396
cohort2000	-.0092936	.0049299	-1.89	0.065	-.0191907	.0006036
cohort2001	-.0092668	.0078416	-1.18	0.243	-.0250094	.0064759
cohort2002	-.0101849	.0116099	-0.88	0.384	-.0334927	.013123
cohort2003	.0419612	.0228586	1.84	0.072	-.0039293	.0878517
cohort2004	.0334603	.0186584	1.79	0.079	-.0039981	.0709186
award_b4_tsd	.0168565	.0108436	1.55	0.126	-.004913	.038626
diaward_tsd	-.0004518	.0003403	-1.33	0.190	-.001135	.0002314
epeb4twp_flag	-.0537178	.1410225	-0.38	0.705	-.3368322	.2293967
ldwb4twp_flag	.5969863	.1255003	4.76	0.000	.345034	.8489387
ldwb4epe_flag	.3441361	.0414131	8.31	0.000	.2609958	.4272764
twpb4tsd	-.0695205	.0086297	-8.06	0.000	-.0868453	-.0521957
epeb4tsd	-.066718	.0043434	-15.36	0.000	-.0754377	-.0579984
ldwb4tsd	-.0327566	.0035328	-9.27	0.000	-.039849	-.0256641
st_AL	.0252102	.0132239	1.91	0.062	-.0013379	.0517584
st_AR	-.014921	.0107105	-1.39	0.170	-.0364233	.0065813
st_AZ	.006225	.0098279	0.63	0.529	-.0135053	.0259552
st_CA	.0134267	.0042521	3.16	0.003	.0048902	.0219632
st_CO	-.0755132	.008976	-8.41	0.000	-.0935333	-.0574932
st_CT	.0096464	.0119263	0.81	0.422	-.0142966	.0335893
st_DC	-.0184427	.0049235	-3.75	0.000	-.028327	-.0085584
st_DE	.0214512	.019444	1.10	0.275	-.0175843	.0604866
st_FL	.013672	.0124396	1.10	0.277	-.0113014	.0386455
st_GA	-.0117452	.0155404	-0.76	0.453	-.0429438	.0194535
st_HI	-.0816497	.0217985	-3.75	0.000	-.1254119	-.0378875
st_IA	.0255987	.0181623	1.41	0.165	-.0108636	.062061
st_ID	.0296122	.0138148	2.14	0.037	.0018777	.0573466
st_IL	-.0237821	.0054754	-4.34	0.000	-.0347744	-.0127898
st_IN	-.012089	.0131713	-0.92	0.363	-.0385314	.0143534
st_KS	.0154011	.0123245	1.25	0.217	-.0093413	.0401435
st_KY	-.0233765	.0081663	-2.86	0.006	-.0397709	-.006982
st_LA	-.004559	.0079629	-0.57	0.569	-.0205451	.0114271
st_MA	.0424682	.0102497	4.14	0.000	.0218911	.0630454
st_MD	.0435584	.0176172	2.47	0.017	.0081904	.0789264
st_ME	-.0858063	.0140729	-6.10	0.000	-.1140588	-.0575537
st_MI	-.0138684	.0044338	-3.13	0.003	-.0227695	-.0049672
st_MN	.0007897	.0157082	0.05	0.960	-.0307459	.0323252
st_MO	-.006657	.0118753	-0.56	0.578	-.0304977	.0171837
st_MS	-.0199021	.0066702	-2.98	0.004	-.0332932	-.0065111
st_MT	-.0124102	.0180482	-0.69	0.495	-.0486435	.0238231
st_NC	.0229054	.0065069	3.52	0.001	.0098423	.0359686
st_ND	-.0007732	.0221645	-0.03	0.972	-.0452702	.0437239
st_NE	-.0189534	.0219063	-0.87	0.391	-.0629322	.0250254
st_NH	.0455041	.0169839	2.68	0.010	.0114075	.0796006
st_NJ	-.0008708	.0094324	-0.09	0.927	-.0198072	.0180655
st_NM	-.003801	.00894	-0.43	0.673	-.0217488	.0141469
st_NV	.004441	.0116382	0.38	0.704	-.0189236	.0278056
st_NY	.0104823	.0073557	1.43	0.160	-.0042848	.0252494
st_OH	-.0590623	.0087455	-6.75	0.000	-.0766196	-.041505

st_OK	.0408464	.0110328	3.70	0.001	.0186971	.0629957
st_OR	.0222785	.0031039	7.18	0.000	.0160471	.0285098
st_PA	-.0303667	.0110792	-2.74	0.008	-.0526091	-.0081243
st_PR	-.0631627	.0259909	-2.43	0.019	-.1153415	-.0109838
st_RI	.1318319	.0114048	11.56	0.000	.1089358	.154728
st_SC	-.0640999	.0067077	-9.56	0.000	-.0775661	-.0506337
st_SD	-.0150614	.022897	-0.66	0.514	-.0610291	.0309064
st_TN	-.0189541	.0116382	-1.63	0.110	-.0423188	.0044106
st_TX	-.0172243	.0051296	-3.36	0.001	-.0275223	-.0069263
st_UT	-.0546354	.0108396	-5.04	0.000	-.0763968	-.032874
st_VA	.0024611	.0192459	0.13	0.899	-.0361767	.0410989
st_VT	.0568255	.0179554	3.16	0.003	.0207785	.0928724
st_WA	.0317069	.0022235	14.26	0.000	.0272431	.0361708
st_WI	-.0150625	.0116152	-1.30	0.201	-.0383809	.008256
st_WV	.0301426	.0094267	3.20	0.002	.0112176	.0490675
st_WY	.2134605	.0195389	10.92	0.000	.1742345	.2526866
tsd_unemp_mean	.0018584	.0054183	0.34	0.733	-.0090194	.0127362
tsd_unemp_cng	.0075679	.0044064	1.72	0.092	-.0012782	.0164141
pial	.0000426	.0000117	3.65	0.001	.0000192	.0000661
pia_miss	.0308017	.0082403	3.74	0.000	.0142587	.0473447
ime1	-.0000142	3.01e-06	-4.73	0.000	-.0000203	-8.19e-06
ime_miss	-.0452331	.003255	-13.90	0.000	-.0517678	-.0386984
_cons	.3104536	.0521612	5.95	0.000	.2057356	.4151716

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

twproll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0019876	.0035485	0.56	0.578	-.0051364 .0091115

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj =
-.0019876

twproll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-6.94e-18	.0035485	-0.00	1.000	-.007124 .007124

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 51) = 0.77
Prob > F = 0.6466

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 51) = 0.31
Prob > F = 0.5779

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 51) = 0.96
 Prob > F = 0.4676

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.0514
 Root MSE = .28539

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	-.0006161	.0031617	-0.19	0.846	-.0069635	.0057313
imm12_adj	.0010034	.0023007	0.44	0.665	-.0036154	.0056223
imm13_adj	.0027656	.0031233	0.89	0.380	-.0035047	.0090359
imm14_adj	-.0030438	.0036135	-0.84	0.404	-.0102982	.0042105
imm15_adj	-.0007006	.0030098	-0.23	0.817	-.0067431	.0053419
imm16_adj	-.0016183	.0023009	-0.70	0.485	-.0062376	.0030009
imm17_adj	-.0044885	.004108	-1.09	0.280	-.0127357	.0037586
imm18_adj	.0007434	.0033773	0.22	0.827	-.0060369	.0075237
imm19_adj	.00368	.0039241	0.94	0.353	-.004198	.011558
male	.0013277	.0020905	0.64	0.528	-.0028691	.0055245
gendermiss_flag	-.3190483	.0151566	-21.05	0.000	-.3494764	-.2886201
tsd_age	-.0033429	.0003826	-8.74	0.000	-.0041111	-.0025748
doage2	-.0000646	.0002461	-0.26	0.794	-.0005586	.0004294
doage2miss_flag	-.1437197	.0070342	-20.43	0.000	-.1578414	-.129598
race_a	.0055647	.0134288	0.41	0.680	-.0213947	.0325241
race_b	.0160316	.0019259	8.32	0.000	.0121652	.019898
race_h	-.0010407	.0061463	-0.17	0.866	-.0133799	.0112986
race_i	-.0017519	.0142456	-0.12	0.903	-.030351	.0268473
race_o	.0033402	.0182867	0.18	0.856	-.0333719	.0400523
race_mis	-.0090409	.0065953	-1.37	0.176	-.0222815	.0041997
tsd_edu_hs	.0037593	.0024557	1.53	0.132	-.0011707	.0086893
tsd_edu_mrhs	.0326267	.0042269	7.72	0.000	.0241408	.0411127
tsd_edu_mis	.0070803	.0024456	2.90	0.006	.0021705	.01199
tsd_mie_exp	.013086	.0052993	2.47	0.017	.0024472	.0237249
tsd_mie_mis	-.0027834	.0024054	-1.16	0.253	-.0076125	.0020457
tsd_mie_psbl	.0120526	.003068	3.93	0.000	.0058932	.0182119
tsd_medicare	-.0318899	.0032457	-9.83	0.000	-.038406	-.0253738
tsd_medicare_miss	-.0609923	.009377	-6.50	0.000	-.0798174	-.0421672
tsd_depend_1	-.0062165	.0032468	-1.91	0.061	-.0127347	.0003016
tsd_depend_2	.0054981	.0025179	2.18	0.034	.0004432	.0105531
tsd_depend_miss	-.0505521	.0057148	-8.85	0.000	-.0620252	-.0390791
tsd_vrpr	-.0852989	.006736	-12.66	0.000	-.0988219	-.0717758
tsd_vrpr_miss	-.1449214	.0073345	-19.76	0.000	-.1596461	-.1301967
pdcgrou2	-.0256167	.0047432	-5.40	0.000	-.035139	-.0160944
pdcgrou3	-.0139438	.0057713	-2.42	0.019	-.0255302	-.0023574
pdcgrou4	-.0201425	.004783	-4.21	0.000	-.0297449	-.0105401
pdcgrou5	-.0256197	.0285859	-0.90	0.374	-.0830083	.0317689

cohort2000	-.0101655	.0051033	-1.99	0.052	-.0204108	.0000798
cohort2001	-.0124945	.0078266	-1.60	0.117	-.028207	.003218
cohort2002	-.0144099	.0115873	-1.24	0.219	-.0376723	.0088525
cohort2003	.0393223	.0240159	1.64	0.108	-.0088917	.0875362
cohort2004	.0408607	.0251538	1.62	0.110	-.0096376	.0913591
award_b4_tsd	.0213003	.0114824	1.86	0.069	-.0017516	.0443522
diaward_tsd	-.0005124	.0003588	-1.43	0.159	-.0012328	.000208
epeb4twp_flag	.1088997	.0634109	1.72	0.092	-.0184029	.2362023
ldwb4twp_flag	.723462	.1102905	6.56	0.000	.5020445	.9448795
ldwb4epe_flag	.3808779	.0394353	9.66	0.000	.3017082	.4600476
twpb4tsd	-.0847243	.008543	-9.92	0.000	-.1018751	-.0675734
epeb4tsd	-.0763993	.0049624	-15.40	0.000	-.0863617	-.0664369
ldwb4tsd	-.0385011	.0040598	-9.48	0.000	-.0466515	-.0303507
st_AL	.0044722	.0167427	0.27	0.790	-.0291402	.0380845
st_AR	-.0214059	.0132628	-1.61	0.113	-.0480321	.0052202
st_AZ	.0162869	.0126549	1.29	0.204	-.0091189	.0416927
st_CA	-.0087285	.0054979	-1.59	0.119	-.0197659	.0023089
st_CO	-.0417064	.0111242	-3.75	0.000	-.0640393	-.0193736
st_CT	.006293	.0151958	0.41	0.681	-.0242137	.0367998
st_DC	-.0236945	.0058964	-4.02	0.000	-.035532	-.011857
st_DE	.0036128	.0250156	0.14	0.886	-.0466082	.0538337
st_FL	.0135525	.0162459	0.83	0.408	-.0190625	.0461675
st_GA	-.0211678	.0199465	-1.06	0.294	-.0612121	.0188765
st_HI	-.0990062	.0273891	-3.61	0.001	-.1539922	-.0440202
st_IA	.0474787	.0231535	2.05	0.045	.000996	.0939613
st_ID	.0118716	.017235	0.69	0.494	-.0227291	.0464724
st_IL	-.0105386	.0066892	-1.58	0.121	-.0239677	.0028906
st_IN	-.013431	.0167383	-0.80	0.426	-.0470346	.0201725
st_KS	.0102643	.0153405	0.67	0.506	-.020533	.0410616
st_KY	-.0302199	.0101364	-2.98	0.004	-.0505696	-.0098702
st_LA	-.0100016	.0100199	-1.00	0.323	-.0301173	.0101141
st_MA	.0644877	.0131534	4.90	0.000	.0380812	.0908942
st_MD	.0256521	.0225972	1.14	0.262	-.0197136	.0710178
st_ME	-.1049928	.017884	-5.87	0.000	-.1408965	-.0690891
st_MI	-.0236809	.0049575	-4.78	0.000	-.0336334	-.0137284
st_MN	-.0194838	.0203461	-0.96	0.343	-.0603302	.0213627
st_MO	-.0101877	.0150703	-0.68	0.502	-.0404427	.0200672
st_MS	-.0293204	.0085808	-3.42	0.001	-.046547	-.0120938
st_MT	-.0134042	.0234623	-0.57	0.570	-.0605068	.0336984
st_NC	.0009336	.0084653	0.11	0.913	-.0160612	.0179283
st_ND	-.0112769	.0286992	-0.39	0.696	-.0688929	.0463392
st_NE	-.045464	.0279531	-1.63	0.110	-.1015822	.0106541
st_NH	.0463073	.021936	2.11	0.040	.0022689	.0903457
st_NJ	-.008135	.0121289	-0.67	0.505	-.0324847	.0162146
st_NM	-.00976	.0114341	-0.85	0.397	-.032715	.013195
st_NV	.0049725	.0151307	0.33	0.744	-.0254036	.0353487
st_NY	.0106143	.0091322	1.16	0.251	-.0077193	.0289478
st_OH	-.0809471	.0109546	-7.39	0.000	-.1029393	-.0589548
st_OK	.0580273	.0140757	4.12	0.000	.0297692	.0862854
st_OR	.0292995	.0037696	7.77	0.000	.0217317	.0368673
st_PA	-.0512279	.0139099	-3.68	0.001	-.0791531	-.0233027
st_PR	-.086654	.032461	-2.67	0.010	-.1518222	-.0214859
st_RI	.1195135	.0141721	8.43	0.000	.0910618	.1479652
st_SC	-.0697153	.008153	-8.55	0.000	-.0860832	-.0533474
st_SD	-.0155929	.029169	-0.53	0.595	-.0741521	.0429664
st_TN	-.0288879	.0145031	-1.99	0.052	-.0580041	.0002282
st_TX	-.0202506	.006623	-3.06	0.004	-.0335468	-.0069544
st_UT	-.0664064	.0142846	-4.65	0.000	-.0950839	-.037729
st_VA	-.0008652	.0247408	-0.03	0.972	-.0505344	.048804
st_VT	.0396026	.023152	1.71	0.093	-.006877	.0860822
st_WA	.0077453	.0025396	3.05	0.004	.0026467	.0128438
st_WI	-.0007064	.0149252	-0.05	0.962	-.03067	.0292572
st_WV	.009181	.0119072	0.77	0.444	-.0147236	.0330857

st_WY	.1857475	.02542	7.31	0.000	.1347147	.2367802
tsd_unemp_mean	.0030712	.0069952	0.44	0.662	-.0109723	.0171146
tsd_unemp_cng	.0069802	.0043338	1.61	0.113	-.0017202	.0156807
pial	.0000436	.0000116	3.76	0.000	.0000203	.0000669
pia_miss	.0314281	.0100524	3.13	0.003	.0112471	.0516092
ime1	-.0000161	3.14e-06	-5.13	0.000	-.0000224	-9.78e-06
ime_miss	-.0510123	.0043483	-11.73	0.000	-.0597418	-.0422828
_cons	.3793005	.0637346	5.95	0.000	.2513479	.5072531

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

twpro1148	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0022751	.0035954	0.63	0.530	-.004943 .0094932

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj =
-.0022751

twpro1148	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	3.90e-18	.0035954	0.00	1.000	-.0072181 .0072181

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 51) = 1.02
Prob > F = 0.4354

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 51) = 0.40
Prob > F = 0.5297

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 51) = 1.20
Prob > F = 0.3188

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH2_unemp.xls
dir : seeout

Linear regression

Number of obs = 77128
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.2926
 Root MSE = .13474

(Std. Err. adjusted for 52 clusters in tsd_state)

-----		Robust				
-----	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	-----
srvroll12						
imm10_adj	.0033397	.0013173	2.54	0.014	.000695	.0059843
imm12_adj	.0032539	.0017223	1.89	0.065	-.0002038	.0067117
imm13_adj	.0026442	.0018348	1.44	0.156	-.0010392	.0063276
imm14_adj	.0012297	.0017756	0.69	0.492	-.002335	.0047943
imm15_adj	.0005721	.0013419	0.43	0.672	-.0021219	.0032662
imm16_adj	-.0000879	.0013901	-0.06	0.950	-.0028786	.0027028
imm17_adj	-.0014615	.0012615	-1.16	0.252	-.0039942	.0010711
imm18_adj	-.004187	.0015316	-2.73	0.009	-.0072619	-.001112
imm19_adj	-.0021708	.0026714	-0.81	0.420	-.0075338	.0031922
male	-.0006137	.0008502	-0.72	0.474	-.0023206	.0010932
gendermiss_flag	.5753749	.0140171	41.05	0.000	.5472343	.6035155
tsd_age	-.0002972	.0001645	-1.81	0.077	-.0006275	.0000331
doage2	-3.04e-06	.0000968	-0.03	0.975	-.0001974	.0001914
doage2miss_flag	-.0137229	.004407	-3.11	0.003	-.0225704	-.0048754
race_a	.0105834	.0055407	1.91	0.062	-.0005401	.0217069
race_b	.0005571	.0009325	0.60	0.553	-.001315	.0024292
race_h	-.0025846	.0038666	-0.67	0.507	-.0103471	.0051778
race_i	.0011442	.0063497	0.18	0.858	-.0116034	.0138917
race_o	.0130943	.0100923	1.30	0.200	-.0071668	.0333554
race_mis	.0027382	.0048243	0.57	0.573	-.0069469	.0124233
tsd_edu_hs	.0018768	.0011533	1.63	0.110	-.0004386	.0041922
tsd_edu_mrhs	.004117	.0012351	3.33	0.002	.0016375	.0065965
tsd_edu_mis	.0038959	.0008429	4.62	0.000	.0022037	.0055881
tsd_mie_exp	.002005	.0024805	0.81	0.423	-.0029747	.0069847
tsd_mie_mis	.000803	.0012704	0.63	0.530	-.0017475	.0033535
tsd_mie_psbl	.001453	.0009106	1.60	0.117	-.0003752	.0032811
tsd_medicare	-.000868	.0013036	-0.67	0.509	-.0034851	.0017491
tsd_medicare_miss	-.0035097	.0032497	-1.08	0.285	-.0100337	.0030143
tsd_depend_1	-.0034209	.0013131	-2.61	0.012	-.0060571	-.0007847
tsd_depend_2	-.002242	.0014375	-1.56	0.125	-.0051278	.0006439
tsd_depend_miss	.0003929	.0042189	0.09	0.926	-.008077	.0088628
tsd_vrpr	-.3855623	.0171524	-22.48	0.000	-.4199971	-.3511275
tsd_vrpr_miss	-.4065667	.0149273	-27.24	0.000	-.4365345	-.3765988
pdcgrou2	-.0033939	.0024255	-1.40	0.168	-.0082633	.0014754
pdcgrou3	-.0010494	.0017171	-0.61	0.544	-.0044966	.0023978
pdcgrou4	-.0007147	.0017917	-0.40	0.692	-.0043116	.0028822
pdcgrou5	-.0039243	.0126652	-0.31	0.758	-.0293506	.0215021
cohort2000	.0004977	.0023066	0.22	0.830	-.004133	.0051284
cohort2001	.0039153	.0034491	1.14	0.262	-.003009	.0108397
cohort2002	.0038536	.0052258	0.74	0.464	-.0066377	.014345
cohort2003	-.0093235	.0073677	-1.27	0.211	-.0241148	.0054678
cohort2004	-.0361658	.008011	-4.51	0.000	-.0522486	-.0200829
award_b4_tsd	.0083939	.0042925	1.96	0.056	-.0002235	.0170114
diaward_tsd	.0000538	.0001357	0.40	0.694	-.0002186	.0003261
epeb4twp_flag	-.091868	.0483612	-1.90	0.063	-.1889572	.0052212
ldwb4twp_flag	.0860253	.0430772	2.00	0.051	-.0004557	.1725064
ldwb4epe_flag	.0149149	.014069	1.06	0.294	-.0133298	.0431596
twpb4tsd	.0043914	.001375	3.19	0.002	.0016309	.0071519
epeb4tsd	-.0008421	.003425	-0.25	0.807	-.0077181	.0060338
ldwb4tsd	-.0006599	.0048972	-0.13	0.893	-.0104915	.0091717
st_AL	.0208382	.0083805	2.49	0.016	.0040136	.0376628
st_AR	.0135356	.0070541	1.92	0.061	-.0006261	.0276972

st_AZ	.0118629	.0069321	1.71	0.093	-.002054	.0257797
st_CA	.0290728	.0030113	9.65	0.000	.0230274	.0351182
st_CO	.0124243	.0060566	2.05	0.045	.0002652	.0245835
st_CT	.0161667	.0082421	1.96	0.055	-.0003799	.0327133
st_DC	-.0011111	.0025235	-0.44	0.662	-.0061773	.003955
st_DE	.0018276	.0131437	0.14	0.890	-.0245596	.0282147
st_FL	.0035794	.0087367	0.41	0.684	-.0139603	.0211191
st_GA	.01351	.0104568	1.29	0.202	-.007483	.034503
st_HI	.0040127	.0142492	0.28	0.779	-.0245937	.0326191
st_IA	.0217529	.012661	1.72	0.092	-.0036652	.047171
st_ID	.0042196	.0095417	0.44	0.660	-.0149362	.0233753
st_IL	.0043491	.003377	1.29	0.204	-.0024305	.0111288
st_IN	.0112036	.0087086	1.29	0.204	-.0062797	.0286868
st_KS	.0071238	.007952	0.90	0.375	-.0088405	.0230881
st_KY	.0051096	.0053643	0.95	0.345	-.0056598	.0158789
st_LA	.0170541	.0052676	3.24	0.002	.006479	.0276293
st_MA	.0045056	.0069737	0.65	0.521	-.0094948	.018506
st_MD	.0208711	.011627	1.80	0.079	-.002471	.0442132
st_ME	.0032807	.010743	0.31	0.761	-.0182868	.0248482
st_MI	.013768	.0025668	5.36	0.000	.0086149	.018921
st_MN	.0170232	.0100669	1.69	0.097	-.0031869	.0372333
st_MO	.0140916	.0079062	1.78	0.081	-.0017807	.0299639
st_MS	.0101805	.0046152	2.21	0.032	.0009152	.0194458
st_MT	.0053592	.0127426	0.42	0.676	-.0202227	.030941
st_NC	.0028683	.0045159	0.64	0.528	-.0061976	.0119343
st_ND	.0134745	.0152677	0.88	0.382	-.0171767	.0441256
st_NE	-.0914234	.0132623	-6.89	0.000	-.1180486	-.0647982
st_NH	.0104695	.0118254	0.89	0.380	-.0132709	.03421
st_NJ	.0076007	.006669	1.14	0.260	-.0057878	.0209891
st_NM	.007894	.0065057	1.21	0.231	-.0051667	.0209548
st_NV	.0118432	.008128	1.46	0.151	-.0044745	.0281608
st_NY	.0131352	.00492	2.67	0.010	.003258	.0230124
st_OH	.0009634	.0053167	0.18	0.857	-.0097104	.0116372
st_OK	.039072	.0077112	5.07	0.000	.0235911	.0545528
st_OR	.0125191	.0022191	5.64	0.000	.0080641	.016974
st_PA	-.0077344	.0070566	-1.10	0.278	-.021901	.0064322
st_PR	-.0325112	.0168441	-1.93	0.059	-.0663271	.0013048
st_RI	-.0018917	.0092666	-0.20	0.839	-.0204951	.0167117
st_SC	-.0046362	.0039126	-1.18	0.242	-.0124911	.0032186
st_SD	.0238681	.0156245	1.53	0.133	-.0074994	.0552355
st_TN	.0174223	.007671	2.27	0.027	.002022	.0328225
st_TX	.0292059	.0036198	8.07	0.000	.0219389	.0364729
st_UT	.0022599	.0085925	0.26	0.794	-.0149903	.0195101
st_VA	.0142577	.0129799	1.10	0.277	-.0118005	.0403159
st_VT	.0213455	.0123175	1.73	0.089	-.0033829	.0460738
st_WA	.0070707	.0016057	4.40	0.000	.0038471	.0102943
st_WI	.0175623	.0076556	2.29	0.026	.002193	.0329316
st_WV	-.0117645	.0060501	-1.94	0.057	-.0239105	.0003815
st_WY	.5341786	.0118368	45.13	0.000	.5104152	.5579419
tsd_unemp_mean	.0001936	.0036428	0.05	0.958	-.0071196	.0075068
tsd_unemp_cng	-2.37e-06	.0037281	-0.00	0.999	-.0074868	.007482
pial	8.38e-06	4.54e-06	1.85	0.071	-7.29e-07	.0000175
pia_miss	.002181	.0057332	0.38	0.705	-.0093289	.0136909
ime1	-9.47e-07	1.37e-06	-0.69	0.494	-3.71e-06	1.81e-06
ime_miss	-.0042888	.0015516	-2.76	0.008	-.0074038	-.0011737
_cons	.3990319	.0242467	16.46	0.000	.3503547	.4477091

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj -
imm17_adj - imm18_adj - imm19_adj = 0

srvroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
-----------	-------	-----------	---	------	----------------------

```
-----+-----
(1) | -.0031324 .0026714 -1.17 0.246 -.0084954 .0022307
-----+-----
```

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0031324

```
-----+-----
srvroll12 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-----+-----
(1) | 7.81e-18   .0026714     0.00   1.000   - .0053631   .0053631
-----+-----
```

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 51) = 1.69
 Prob > F = 0.1158

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 51) = 1.37
 Prob > F = 0.2464

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 51) = 0.70
 Prob > F = 0.6734

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.4543
 Root MSE = .15249

(Std. Err. adjusted for 52 clusters in tsd_state)

```
-----+-----
                |      Robust
                |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-----+-----
imm10_adj | .0033969   .0018826     1.80   0.077   - .0003827   .0071765
imm12_adj | .0040112   .0017909     2.24   0.029   .0004158   .0076067
imm13_adj | .0009011   .0014998     0.60   0.551   - .0021099   .0039121
imm14_adj | .0024931   .0017684     1.41   0.165   - .0010571   .0060434
imm15_adj | .0036953   .0020569     1.80   0.078   - .0004341   .0078247
-----+-----
```

imm16_adj	-.0004091	.0014386	-0.28	0.777	-.0032972	.002479
imm17_adj	-.0010443	.0019696	-0.53	0.598	-.0049985	.0029099
imm18_adj	-.0070481	.0018491	-3.81	0.000	-.0107604	-.0033358
imm19_adj	-.0020718	.0027271	-0.76	0.451	-.0075468	.0034032
male	-.0005584	.0008888	-0.63	0.533	-.0023429	.001226
gendermiss_flag	.3325314	.0130967	25.39	0.000	.3062388	.3588241
tsd_age	-.0008233	.0001848	-4.45	0.000	-.0011943	-.0004522
doage2	.0000161	.000163	0.10	0.922	-.0003111	.0003433
doage2miss_flag	-.0387838	.0032078	-12.09	0.000	-.0452238	-.0323438
race_a	.0045883	.0047385	0.97	0.337	-.0049245	.0141012
race_b	.0008209	.0013282	0.62	0.539	-.0018456	.0034875
race_h	-.0027766	.0038111	-0.73	0.470	-.0104277	.0048746
race_i	-.0042679	.0067381	-0.63	0.529	-.0177952	.0092594
race_o	.0120789	.0113218	1.07	0.291	-.0106507	.0348084
race_mis	.0068248	.0049581	1.38	0.175	-.0031291	.0167787
tsd_edu_hs	.0040532	.0013123	3.09	0.003	.0014187	.0066877
tsd_edu_mrhs	.0097207	.0021586	4.50	0.000	.0053872	.0140542
tsd_edu_mis	.0062615	.001408	4.45	0.000	.0034349	.0090881
tsd_mie_exp	-.0044272	.0039984	-1.11	0.273	-.0124543	.0035998
tsd_mie_mis	-.0029502	.0018974	-1.55	0.126	-.0067594	.000859
tsd_mie_psbl	-.0020883	.0016386	-1.27	0.208	-.0053779	.0012012
tsd_medicare	-.0027629	.00152	-1.82	0.075	-.0058143	.0002886
tsd_medicare_miss	-.0025885	.0042168	-0.61	0.542	-.011054	.005877
tsd_depend_1	-.0027593	.0013093	-2.11	0.040	-.0053878	-.0001307
tsd_depend_2	-.0016399	.0013289	-1.23	0.223	-.0043078	.001028
tsd_depend_miss	-.0027769	.004958	-0.56	0.578	-.0127306	.0071768
tsd_vrpr	-.6160959	.0149118	-41.32	0.000	-.6460325	-.5861592
tsd_vrpr_miss	-.6529169	.0116024	-56.27	0.000	-.6762098	-.6296241
pdcgrou2	-.0026223	.0025839	-1.01	0.315	-.0078098	.0025652
pdcgrou3	-.0023134	.0021141	-1.09	0.279	-.0065578	.0019309
pdcgrou4	.0006269	.0020039	0.31	0.756	-.0033961	.0046499
pdcgrou5	-.012951	.009924	-1.31	0.198	-.0328743	.0069723
cohort2000	-.0025797	.0020563	-1.25	0.215	-.006708	.0015485
cohort2001	-.0045341	.003781	-1.20	0.236	-.0121248	.0030566
cohort2002	-.0071382	.0054145	-1.32	0.193	-.0180083	.0037318
cohort2003	-.0106423	.0096706	-1.10	0.276	-.0300567	.0087722
cohort2004	-.0517961	.0103593	-5.00	0.000	-.0725933	-.0309989
award_b4_tsd	.0005298	.0040127	0.13	0.895	-.0075261	.0085856
diaward_tsd	-.0002091	.0001676	-1.25	0.218	-.0005456	.0001274
epeb4twp_flag	-.1500223	.0757029	-1.98	0.053	-.3020022	.0019576
ldwb4twp_flag	.1255955	.0798721	1.57	0.122	-.0347544	.2859455
ldwb4epe_flag	.0285496	.0232523	1.23	0.225	-.0181313	.0752304
twpb4tsd	.0066868	.0026731	2.50	0.016	.0013204	.0120531
epeb4tsd	-.0033435	.0032278	-1.04	0.305	-.0098236	.0031366
ldwb4tsd	-.007033	.0054559	-1.29	0.203	-.0179861	.0039202
st_AL	.0029596	.0088961	0.33	0.741	-.0149001	.0208194
st_AR	-.0101647	.0075961	-1.34	0.187	-.0254145	.005085
st_AZ	-.0105436	.0067507	-1.56	0.125	-.0240962	.003009
st_CA	.024717	.0031231	7.91	0.000	.0184471	.030987
st_CO	.0106876	.0061337	1.74	0.087	-.0016264	.0230015
st_CT	-.0073659	.0088928	-0.83	0.411	-.0252189	.0104871
st_DC	-.0167887	.0029441	-5.70	0.000	-.0226992	-.0108781
st_DE	-.015456	.0136971	-1.13	0.264	-.042954	.0120421
st_FL	-.0004494	.0090296	-0.05	0.961	-.0185772	.0176784
st_GA	-.0158259	.011171	-1.42	0.163	-.0382525	.0066008
st_HI	-.0353755	.0155128	-2.28	0.027	-.0665187	-.0042323
st_IA	.00413	.0134295	0.31	0.760	-.0228308	.0310909
st_ID	-.0304827	.00973	-3.13	0.003	-.0500165	-.0109489
st_IL	-.0082154	.0033901	-2.42	0.019	-.0150213	-.0014096
st_IN	-.0146905	.0094557	-1.55	0.126	-.0336737	.0042926
st_KS	-.0096107	.0086367	-1.11	0.271	-.0269496	.0077282
st_KY	-.0131272	.0058188	-2.26	0.028	-.0248089	-.0014454
st_LA	-.000972	.0054866	-0.18	0.860	-.0119868	.0100429

st_MA	-.0195531	.0070542	-2.77	0.008	-.033715	-.0053912
st_MD	-.0051262	.0124404	-0.41	0.682	-.0301013	.0198489
st_ME	-.0331963	.0116367	-2.85	0.006	-.056558	-.0098346
st_MI	.0026199	.0029645	0.88	0.381	-.0033316	.0085713
st_MN	-.0157297	.0108629	-1.45	0.154	-.0375379	.0060784
st_MO	-.0100683	.0085733	-1.17	0.246	-.0272799	.0071432
st_MS	-.0091647	.0045383	-2.02	0.049	-.0182758	-.0000536
st_MT	-.0221366	.0133821	-1.65	0.104	-.0490024	.0047292
st_NC	-.0252884	.0047772	-5.29	0.000	-.0348791	-.0156977
st_ND	-.0395349	.0161684	-2.45	0.018	-.0719943	-.0070756
st_NE	.0289601	.0144222	2.01	0.050	6.21e-06	.0579139
st_NH	-.0242972	.01252	-1.94	0.058	-.0494322	.0008378
st_NJ	-.0156107	.0069072	-2.26	0.028	-.0294774	-.001744
st_NM	-.0182228	.0068133	-2.67	0.010	-.031901	-.0045446
st_NV	-.0161733	.0083367	-1.94	0.058	-.0329099	.0005634
st_NY	.002982	.0050055	0.60	0.554	-.007067	.013031
st_OH	-.0114296	.0057823	-1.98	0.053	-.0230379	.0001788
st_OK	.0268923	.0082706	3.25	0.002	.0102884	.0434963
st_OR	-.0115166	.0028805	-4.00	0.000	-.0172994	-.0057337
st_PA	-.0521729	.0076034	-6.86	0.000	-.0674374	-.0369085
st_PR	-.0484647	.017696	-2.74	0.008	-.0839908	-.0129386
st_RI	-.0355447	.0083548	-4.25	0.000	-.0523176	-.0187718
st_SC	-.0098461	.0039843	-2.47	0.017	-.0178448	-.0018473
st_SD	.0083846	.0165584	0.51	0.615	-.0248578	.041627
st_TN	-.0009684	.0083236	-0.12	0.908	-.0176787	.0157419
st_TX	.0059628	.0037278	1.60	0.116	-.001521	.0134466
st_UT	-.0317558	.0094452	-3.36	0.001	-.050718	-.0127937
st_VA	-.0176853	.0137478	-1.29	0.204	-.0452852	.0099146
st_VT	-.0269847	.0124491	-2.17	0.035	-.0519774	-.001992
st_WA	.0013976	.00132	1.06	0.295	-.0012525	.0040477
st_WI	-.0058841	.0079515	-0.74	0.463	-.0218474	.0100793
st_WV	-.0503591	.0060197	-8.37	0.000	-.0624443	-.038274
st_WY	.4126928	.0126805	32.55	0.000	.3872357	.4381499
tsd_unemp_mean	-.0064521	.0039028	-1.65	0.104	-.0142874	.0013832
tsd_unemp_cng	-.006105	.0035518	-1.72	0.092	-.0132355	.0010255
pial	5.98e-06	5.80e-06	1.03	0.308	-5.68e-06	.0000176
pia_miss	-.000136	.0070884	-0.02	0.985	-.0143667	.0140946
ime1	-9.03e-07	1.68e-06	-0.54	0.594	-4.28e-06	2.47e-06
ime_miss	-.0023603	.0024102	-0.98	0.332	-.007199	.0024784
_cons	.7405669	.0269184	27.51	0.000	.6865259	.7946078

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

srvroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0039245	.0025899	-1.52	0.136	-.0091239 .001275

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0039245

srvroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	3.30e-17	.0025899	0.00	1.000	-.0051995 .0051995

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0

(4) imm14_adj = 0
 (5) imm15_adj = 0
 (6) imm16_adj = 0
 (7) imm17_adj = 0
 (8) imm18_adj = 0
 (9) imm19_adj = 0

F(9, 51) = 2.77
 Prob > F = 0.0101

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj +
 imm17_adj + imm18_adj + imm19_adj = 0

F(1, 51) = 2.30
 Prob > F = 0.1359

(1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
 (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
 (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
 (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
 (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
 (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
 (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 51) = 2.26
 Prob > F = 0.0441

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.5668
 Root MSE = .15397

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	.0013872	.001818	0.76	0.449	-.0022626	.005037
imm12_adj	.0030794	.0018336	1.68	0.099	-.0006018	.0067606
imm13_adj	-.0010376	.0015516	-0.67	0.507	-.0041527	.0020774
imm14_adj	.0002119	.0015163	0.14	0.889	-.0028323	.0032561
imm15_adj	.0011246	.002409	0.47	0.643	-.0037116	.0059608
imm16_adj	.0004272	.0019245	0.22	0.825	-.0034363	.0042907
imm17_adj	.0002979	.0022569	0.13	0.896	-.0042331	.0048288
imm18_adj	-.0037161	.0014045	-2.65	0.011	-.0065357	-.0008965
imm19_adj	-.000044	.0020528	-0.02	0.983	-.0041652	.0040771
male	.000547	.0007514	0.73	0.470	-.0009614	.0020555
gendermiss_flag	.1526374	.0104479	14.61	0.000	.1316624	.1736125
tsd_age	-.0009017	.0001887	-4.78	0.000	-.0012805	-.0005229
doage2	-.0000248	.0001194	-0.21	0.836	-.0002645	.0002148
doage2miss_flag	-.0521162	.0038266	-13.62	0.000	-.0597984	-.044434
race_a	.001708	.0046499	0.37	0.715	-.0076271	.0110432
race_b	.0008065	.0012664	0.64	0.527	-.0017359	.0033489
race_h	-.0030731	.0038382	-0.80	0.427	-.0107787	.0046324
race_i	-.0057991	.0055663	-1.04	0.302	-.016974	.0053758
race_o	.006429	.0113229	0.57	0.573	-.0163025	.0291606
race_mis	.0047324	.0051635	0.92	0.364	-.0056338	.0150986
tsd_edu_hs	.0066558	.0015685	4.24	0.000	.0035069	.0098048

tsd_edu_mrhs	.013025	.0024819	5.25	0.000	.0080425	.0180075
tsd_edu_mis	.0078078	.0016357	4.77	0.000	.004524	.0110916
tsd_mie_exp	-.0068263	.0040792	-1.67	0.100	-.0150157	.0013631
tsd_mie_mis	-.003357	.001866	-1.80	0.078	-.0071031	.0003892
tsd_mie_psbl	-.0043607	.0015349	-2.84	0.006	-.0074421	-.0012793
tsd_medicare	-.0041982	.0016469	-2.55	0.014	-.0075046	-.0008918
tsd_medicare_miss	-.0032329	.0046988	-0.69	0.495	-.012666	.0062003
tsd_depend_1	-.0040916	.001372	-2.98	0.004	-.006846	-.0013372
tsd_depend_2	-.0024752	.0016361	-1.51	0.136	-.0057598	.0008094
tsd_depend_miss	-.0138633	.0053704	-2.58	0.013	-.0246447	-.0030819
tsd_vrpr	-.7776104	.0140454	-55.36	0.000	-.8058076	-.7494131
tsd_vrpr_miss	-.8264002	.0090185	-91.63	0.000	-.8445057	-.8082948
pdcgrou2	-.0035675	.0021331	-1.67	0.101	-.0078499	.000715
pdcgrou3	-.0001285	.0020633	-0.06	0.951	-.0042707	.0040137
pdcgrou4	.0032698	.0018879	1.73	0.089	-.0005204	.00706
pdcgrou5	-.0296565	.0096784	-3.06	0.003	-.0490866	-.0102263
cohort2000	-.0000288	.0018897	-0.02	0.988	-.0038224	.0037649
cohort2001	-.0014722	.0039081	-0.38	0.708	-.009318	.0063736
cohort2002	-.002607	.0052249	-0.50	0.620	-.0130963	.0078824
cohort2003	-.0018772	.0107323	-0.17	0.862	-.0234232	.0196687
cohort2004	-.0402928	.0139897	-2.88	0.006	-.0683784	-.0122072
award_b4_tsd	.002447	.005678	0.43	0.668	-.0089521	.0138461
diaward_tsd	-.000203	.000127	-1.60	0.116	-.0004581	.000052
epeb4twp_flag	-.1751442	.0846111	-2.07	0.044	-.3450081	-.0052804
ldwb4twp_flag	.1072218	.0721224	1.49	0.143	-.03757	.2520136
ldwb4epe_flag	.0468295	.0265862	1.76	0.084	-.0065444	.1002035
twpb4tsd	.0039816	.0027326	1.46	0.151	-.0015043	.0094675
epeb4tsd	.0038459	.0034666	1.11	0.272	-.0031135	.0108054
ldwb4tsd	-.0115951	.0044702	-2.59	0.012	-.0205694	-.0026209
st_AL	.0058312	.0113199	0.52	0.609	-.0168944	.0285567
st_AR	-.0070436	.0092781	-0.76	0.451	-.0256702	.0115831
st_AZ	-.0013107	.0092632	-0.14	0.888	-.0199073	.0172859
st_CA	.0107084	.0040551	2.64	0.011	.0025675	.0188492
st_CO	.0249785	.0077942	3.20	0.002	.009331	.040626
st_CT	-.0011316	.0111703	-0.10	0.920	-.0235568	.0212937
st_DC	-.0159091	.0036528	-4.36	0.000	-.0232423	-.0085758
st_DE	-.018051	.0177398	-1.02	0.314	-.0536651	.0175631
st_FL	.0103878	.0119689	0.87	0.390	-.0136407	.0344163
st_GA	-.0081753	.0145499	-0.56	0.577	-.0373854	.0210348
st_HI	-.029669	.0194394	-1.53	0.133	-.0686953	.0093573
st_IA	.0270868	.0166453	1.63	0.110	-.00633	.0605036
st_ID	-.0266144	.0122226	-2.18	0.034	-.0511523	-.0020766
st_IL	.0032627	.0045507	0.72	0.477	-.0058733	.0123987
st_IN	-.0105704	.0117365	-0.90	0.372	-.0341323	.0129916
st_KS	-.0035524	.0105124	-0.34	0.737	-.0246569	.017552
st_KY	-.0107903	.0071286	-1.51	0.136	-.0251015	.003521
st_LA	.003645	.0071823	0.51	0.614	-.010774	.018064
st_MA	-.0007797	.0091404	-0.09	0.932	-.0191298	.0175705
st_MD	-.0177482	.0158569	-1.12	0.268	-.0495822	.0140858
st_ME	-.0346957	.014002	-2.48	0.017	-.0628059	-.0065856
st_MI	.0053569	.0032771	1.63	0.108	-.0012221	.0119358
st_MN	-.002657	.0137274	-0.19	0.847	-.0302158	.0249018
st_MO	.0013907	.0105785	0.13	0.896	-.0198466	.022628
st_MS	-.0055744	.006436	-0.87	0.390	-.0184952	.0073463
st_MT	-.0135577	.0170964	-0.79	0.431	-.0478803	.0207648
st_NC	-.0259141	.0061936	-4.18	0.000	-.0383484	-.0134798
st_ND	-.030598	.0206046	-1.49	0.144	-.0719635	.0107674
st_NE	-.0094515	.0182615	-0.52	0.607	-.046113	.02721
st_NH	-.0218582	.0161858	-1.35	0.183	-.0543527	.0106362
st_NJ	-.0151275	.0090863	-1.66	0.102	-.0333689	.003114
st_NM	-.0197339	.008418	-2.34	0.023	-.0366336	-.0028341
st_NV	-.0138492	.0112057	-1.24	0.222	-.0363456	.0086472
st_NY	.0082632	.0064513	1.28	0.206	-.0046884	.0212147

st_OH	-.017678	.0073379	-2.41	0.020	-.0324095	-.0029465
st_OK	.0437424	.010224	4.28	0.000	.0232169	.0642678
st_OR	-.0063995	.0035758	-1.79	0.079	-.0135783	.0007793
st_PA	-.0501535	.009967	-5.03	0.000	-.0701631	-.0301438
st_PR	-.0875866	.0219512	-3.99	0.000	-.1316556	-.0435177
st_RI	-.0338292	.0110796	-3.05	0.004	-.0560724	-.011586
st_SC	.0019113	.0049791	0.38	0.703	-.0080846	.0119072
st_SD	.0363896	.020762	1.75	0.086	-.005292	.0780711
st_TN	.0067116	.0101182	0.66	0.510	-.0136016	.0270247
st_TX	.0074566	.0047989	1.55	0.126	-.0021777	.0170909
st_UT	-.0332869	.0115997	-2.87	0.006	-.0565742	-.0099996
st_VA	-.010163	.0177461	-0.57	0.569	-.0457899	.0254638
st_VT	-.0313337	.0161341	-1.94	0.058	-.0637243	.0010569
st_WA	-.0141773	.0016566	-8.56	0.000	-.017503	-.0108515
st_WI	.0285302	.0102828	2.77	0.008	.0078866	.0491738
st_WV	-.0584218	.0080728	-7.24	0.000	-.0746285	-.042215
st_WY	.3543696	.0158528	22.35	0.000	.3225437	.3861955
tsd_unemp_mean	-.0038418	.0049592	-0.77	0.442	-.0137979	.0061143
tsd_unemp_cng	-.002709	.0037238	-0.73	0.470	-.0101848	.0047668
pia1	-6.17e-07	6.61e-06	-0.09	0.926	-.0000139	.0000127
pia_miss	.0097067	.0085629	1.13	0.262	-.0074839	.0268974
ime1	1.98e-09	1.95e-06	0.00	0.999	-3.91e-06	3.91e-06
ime_miss	-.0019277	.0027475	-0.70	0.486	-.0074436	.0035881
_cons	.8991551	.0360903	24.91	0.000	.8267007	.9716095

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

srvroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0017305	.0030919	-0.56	0.578	-.0079377 .0044768

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0017305

srvroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-3.62e-17	.0030919	-0.00	1.000	-.0062073 .0062073

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 51) = 1.49
 Prob > F = 0.1755

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 51) = 0.31
 Prob > F = 0.5782

(1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
 (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
 (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
 (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
 (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
 (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
 (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 51) = 1.74
 Prob > F = 0.1208

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.6217
 Root MSE = .15474

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	.0029098	.0019651	1.48	0.145	-.0010354	.006855
imm12_adj	.0028011	.001675	1.67	0.101	-.0005616	.0061639
imm13_adj	-.0006775	.0014653	-0.46	0.646	-.0036193	.0022643
imm14_adj	.0007708	.0015912	0.48	0.630	-.0024238	.0039653
imm15_adj	-.0007016	.0023475	-0.30	0.766	-.0054144	.0040112
imm16_adj	-.0017675	.0016972	-1.04	0.303	-.0051748	.0016399
imm17_adj	.0005427	.0020949	0.26	0.797	-.0036631	.0047484
imm18_adj	-.0036176	.0017616	-2.05	0.045	-.0071542	-.0000811
imm19_adj	.0004235	.0019749	0.21	0.831	-.0035412	.0043882
male	-.0002434	.000926	-0.26	0.794	-.0021024	.0016156
gendermiss_flag	.0457248	.0083772	5.46	0.000	.0289069	.0625428
tsd_age	-.0008403	.0002436	-3.45	0.001	-.0013293	-.0003513
doage2	-.0001456	.0001634	-0.89	0.377	-.0004737	.0001824
doage2miss_flag	-.0642721	.0036115	-17.80	0.000	-.0715226	-.0570217
race_a	-.0031937	.0057723	-0.55	0.582	-.014782	.0083945
race_b	.001091	.0011704	0.93	0.356	-.0012587	.0034407
race_h	-.0012306	.0027663	-0.44	0.658	-.0067842	.0043231
race_i	.0075972	.0073446	1.03	0.306	-.0071478	.0223422
race_o	-.00134	.0105597	-0.13	0.900	-.0225395	.0198595
race_mis	.0016883	.0062764	0.27	0.789	-.010912	.0142887
tsd_edu_hs	.0078933	.0015243	5.18	0.000	.004833	.0109535
tsd_edu_mrhs	.0158202	.0024353	6.50	0.000	.010931	.0207093
tsd_edu_mis	.0079658	.0011865	6.71	0.000	.0055838	.0103478
tsd_mie_exp	-.0077609	.0040399	-1.92	0.060	-.0158714	.0003495
tsd_mie_mis	-.00401	.0023148	-1.73	0.089	-.0086572	.0006371
tsd_mie_psbl	-.0059679	.0020596	-2.90	0.006	-.0101028	-.001833
tsd_medicare	-.0060482	.001628	-3.72	0.001	-.0093167	-.0027798
tsd_medicare_miss	-.0073774	.0039451	-1.87	0.067	-.0152976	.0005428
tsd_depend_1	-.0040505	.0009956	-4.07	0.000	-.0060493	-.0020518
tsd_depend_2	-.002374	.0008168	-2.91	0.005	-.0040138	-.0007342
tsd_depend_miss	-.0151171	.0048218	-3.14	0.003	-.0247972	-.005437
tsd_vrpr	-.871015	.0103694	-84.00	0.000	-.8918325	-.8501975
tsd_vrpr_miss	-.9304922	.005297	-175.66	0.000	-.9411264	-.919858
pdcgrou2	-.0032819	.0020877	-1.57	0.122	-.0074732	.0009093
pdcgrou3	-.0019325	.0022817	-0.85	0.401	-.0065133	.0026482
pdcgrou4	.0011364	.0014668	0.77	0.442	-.0018083	.004081
pdcgrou5	-.0403037	.0104974	-3.84	0.000	-.061378	-.0192293

cohort2000	.0033933	.0022122	1.53	0.131	-.0010478	.0078344
cohort2001	.0022148	.0039464	0.56	0.577	-.0057078	.0101375
cohort2002	.0033131	.0056876	0.58	0.563	-.0081052	.0147314
cohort2003	.0072842	.0091012	0.80	0.427	-.0109873	.0255557
cohort2004	-.0348668	.011834	-2.95	0.005	-.0586247	-.011109
award_b4_tsd	-.0000114	.0061365	-0.00	0.999	-.0123309	.0123081
diaward_tsd	-.0001329	.0001386	-0.96	0.342	-.0004111	.0001453
epeb4twp_flag	-.0651522	.0325206	-2.00	0.050	-.13044	.0001355
ldwb4twp_flag	.0644521	.0616164	1.05	0.300	-.059248	.1881521
ldwb4epe_flag	.0470405	.0264443	1.78	0.081	-.0060487	.1001297
twpb4tsd	.0015673	.0018641	0.84	0.404	-.002175	.0053096
epeb4tsd	.0058164	.0037545	1.55	0.128	-.0017211	.0133539
ldwb4tsd	-.0137777	.0036186	-3.81	0.000	-.0210424	-.006513
st_AL	.0219241	.0081268	2.70	0.009	.0056089	.0382392
st_AR	.0014445	.0065934	0.22	0.827	-.0117923	.0146813
st_AZ	.0083499	.0066587	1.25	0.216	-.0050179	.0217178
st_CA	.0093779	.0031371	2.99	0.004	.0030799	.0156759
st_CO	.03746	.0055436	6.76	0.000	.0263307	.0485894
st_CT	.009828	.0080069	1.23	0.225	-.0062465	.0259024
st_DC	-.0126411	.0026191	-4.83	0.000	-.0178992	-.007383
st_DE	.0080996	.0127989	0.63	0.530	-.0175953	.0337944
st_FL	.0260749	.0084836	3.07	0.003	.0090433	.0431065
st_GA	.0062706	.0103301	0.61	0.547	-.014468	.0270091
st_HI	-.0142869	.013796	-1.04	0.305	-.0419835	.0134097
st_IA	.0371439	.0121103	3.07	0.003	.0128315	.0614563
st_ID	-.0193671	.0088365	-2.19	0.033	-.037107	-.0016271
st_IL	.0244701	.0034977	7.00	0.000	.0174481	.0314921
st_IN	.0020872	.0084591	0.25	0.806	-.0148951	.0190696
st_KS	.007834	.0076297	1.03	0.309	-.0074833	.0231513
st_KY	-.001851	.0050079	-0.37	0.713	-.0119047	.0082027
st_LA	.0139855	.005049	2.77	0.008	.0038493	.0241218
st_MA	.0122357	.0065305	1.87	0.067	-.0008747	.0253462
st_MD	-.0156157	.0114672	-1.36	0.179	-.038637	.0074057
st_ME	-.0280728	.0103259	-2.72	0.009	-.0488029	-.0073428
st_MI	.014087	.0025095	5.61	0.000	.009049	.0191251
st_MN	.0277653	.0100082	2.77	0.008	.007673	.0478577
st_MO	.0139536	.0076042	1.83	0.072	-.0013125	.0292197
st_MS	.0016775	.0046609	0.36	0.720	-.0076798	.0110347
st_MT	-.0023539	.0125422	-0.19	0.852	-.0275335	.0228256
st_NC	-.0164918	.0044547	-3.70	0.001	-.0254349	-.0075487
st_ND	-.022861	.0152918	-1.49	0.141	-.0535605	.0078386
st_NE	-.0220631	.0139504	-1.58	0.120	-.0500698	.0059436
st_NH	-.0084389	.0117091	-0.72	0.474	-.0319458	.015068
st_NJ	-.0100967	.0064598	-1.56	0.124	-.0230652	.0028718
st_NM	-.0117592	.0063704	-1.85	0.071	-.0245484	.00103
st_NV	.0017937	.0080318	0.22	0.824	-.0143307	.0179182
st_NY	.0185991	.0045754	4.07	0.000	.0094136	.0277846
st_OH	-.0241779	.0053477	-4.52	0.000	-.0349139	-.0134419
st_OK	.0584434	.0072441	8.07	0.000	.0439002	.0729865
st_OR	.0040473	.0035388	1.14	0.258	-.0030571	.0111517
st_PA	-.0493735	.0070226	-7.03	0.000	-.0634719	-.035275
st_PR	-.1202991	.0173776	-6.92	0.000	-.155186	-.0854122
st_RI	-.0277331	.0085905	-3.23	0.002	-.0449793	-.0104869
st_SC	.0086481	.0035406	2.44	0.018	.0015401	.0157561
st_SD	.0523073	.0154314	3.39	0.001	.0213275	.0832872
st_TN	.0189312	.0071965	2.63	0.011	.0044836	.0333788
st_TX	.0102113	.0034886	2.93	0.005	.0032076	.017215
st_UT	-.0282069	.0083308	-3.39	0.001	-.0449316	-.0114821
st_VA	.0109217	.0127416	0.86	0.395	-.0146582	.0365015
st_VT	.1181899	.0116491	10.15	0.000	.0948032	.1415765
st_WA	-.022752	.0016111	-14.12	0.000	-.0259863	-.0195177
st_WI	.0615653	.0073515	8.37	0.000	.0468066	.076324
st_WV	-.0572135	.0060901	-9.39	0.000	-.0694399	-.0449871

st_WY	.3284847	.0116665	28.16	0.000	.3050632	.3519061
tsd_unemp_mean	.0004633	.0037116	0.12	0.901	-.006988	.0079146
tsd_unemp_cng	-.0017693	.0039324	-0.45	0.655	-.0096639	.0061254
pia1	-9.95e-06	6.61e-06	-1.51	0.138	-.0000232	3.32e-06
pia_miss	.0009253	.0057617	0.16	0.873	-.0106419	.0124924
ime1	2.24e-06	1.85e-06	1.21	0.231	-1.47e-06	5.95e-06
ime_miss	.0028299	.002802	1.01	0.317	-.0027953	.0084551
_cons	.9729348	.0299355	32.50	0.000	.9128367	1.033033

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

srvroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-.0006837	.0029871	-0.23	0.820	-.0066806	.0053132

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0006837

srvroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-3.58e-18	.0029871	-0.00	1.000	-.0059969	.0059969

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 51) = 2.07
Prob > F = 0.0494

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 51) = 0.05
Prob > F = 0.8199

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 51) = 1.86
Prob > F = 0.0963

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH2_unemp.xls
dir : seeout

Linear regression

Number of obs = 77128

F(50, 51) = .
 Prob > F = .
 R-squared = 0.4127
 Root MSE = 1.0158

(Std. Err. adjusted for 52 clusters in tsd_state)

nstwl2	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	-.0293426	.0122861	-2.39	0.021	-.054008	-.0046771
imm12_adj	.003124	.0101343	0.31	0.759	-.0172214	.0234694
imm13_adj	.0030789	.0080183	0.38	0.703	-.0130186	.0191763
imm14_adj	-.0033226	.0140228	-0.24	0.814	-.0314746	.0248294
imm15_adj	-.003442	.0115192	-0.30	0.766	-.0265677	.0196838
imm16_adj	.0036947	.0120387	0.31	0.760	-.0204739	.0278634
imm17_adj	.0193661	.0091522	2.12	0.039	.0009923	.0377398
imm18_adj	.0045851	.0152114	0.30	0.764	-.0259529	.0351232
imm19_adj	.0053146	.0122983	0.43	0.667	-.0193752	.0300044
male	.0166205	.006653	2.50	0.016	.003264	.0299769
gendermiss_flag	.040043	.0214743	1.86	0.068	-.0030685	.0831544
tsd_age	-.0054963	.0008722	-6.30	0.000	-.0072474	-.0037452
doage2	.0019018	.0006772	2.81	0.007	.0005423	.0032613
doage2miss_flag	.0276541	.0247115	1.12	0.268	-.0219564	.0772646
race_a	-.0108629	.0445496	-0.24	0.808	-.1003	.0785742
race_b	.0290298	.0100046	2.90	0.005	.0089447	.049115
race_h	.0583234	.0318377	1.83	0.073	-.0055934	.1222402
race_i	.0491471	.0623303	0.79	0.434	-.0759863	.1742804
race_o	-.0268831	.0801999	-0.34	0.739	-.1878911	.1341249
race_mis	-.0350192	.0239285	-1.46	0.149	-.0830576	.0130192
tsd_edu_hs	.0275406	.0077664	3.55	0.001	.0119489	.0431324
tsd_edu_mrhs	.06837	.0112605	6.07	0.000	.0457637	.0909763
tsd_edu_mis	.0275717	.0100607	2.74	0.008	.0073741	.0477694
tsd_mie_exp	.0279139	.022923	1.22	0.229	-.0181059	.0739337
tsd_mie_mis	.0228443	.0141285	1.62	0.112	-.0055199	.0512085
tsd_mie_psbl	.0008525	.0085099	0.10	0.921	-.0162319	.0179369
tsd_medicare	-.0526434	.0164628	-3.20	0.002	-.085694	-.0195929
tsd_medicare_miss	-.0332151	.0191583	-1.73	0.089	-.0716769	.0052467
tsd_depend_1	-.0196195	.0092395	-2.12	0.039	-.0381685	-.0010705
tsd_depend_2	-.025505	.0109771	-2.32	0.024	-.0475425	-.0034675
tsd_depend_miss	.0258758	.0226788	1.14	0.259	-.0196539	.0714055
tsd_vrpr	.1165894	.0177571	6.57	0.000	.0809404	.1522383
tsd_vrpr_miss	.1278995	.0175747	7.28	0.000	.0926168	.1631821
pdgroup2	.0055334	.0105153	0.53	0.601	-.0155769	.0266438
pdgroup3	.0352721	.0102455	3.44	0.001	.0147034	.0558407
pdgroup4	.0578688	.0081178	7.13	0.000	.0415717	.0741659
pdgroup5	-.0358423	.0616084	-0.58	0.563	-.1595264	.0878417
cohort2000	.0008467	.0154664	0.05	0.957	-.0302035	.0318969
cohort2001	.0038554	.0247629	0.16	0.877	-.0458582	.0535689
cohort2002	-.0511839	.0355983	-1.44	0.157	-.1226505	.0202827
cohort2003	.0478005	.0336974	1.42	0.162	-.0198498	.1154509
cohort2004	.0906057	.0488583	1.85	0.069	-.0074814	.1886928
award_b4_tsd	-.0289876	.0160093	-1.81	0.076	-.0611276	.0031524
diaward_tsd	-.0022796	.0011768	-1.94	0.058	-.0046422	.0000829
epeb4twp_flag	.9911417	1.799659	0.55	0.584	-2.621825	4.604109
ldwb4twp_flag	.1822329	.9105258	0.20	0.842	-1.645724	2.01019
ldwb4epe_flag	-.277411	.2655755	-1.04	0.301	-.8105761	.255754
twpb4tsd	.87166	.0607966	14.34	0.000	.7496056	.9937143
epeb4tsd	.5626379	.0484591	11.61	0.000	.4653522	.6599237
ldwb4tsd	5.516864	.1760301	31.34	0.000	5.163469	5.87026
st_AL	-.2935982	.0539347	-5.44	0.000	-.4018766	-.1853198
st_AR	-.0115035	.0467269	-0.25	0.807	-.1053116	.0823046
st_AZ	-.0909923	.0479887	-1.90	0.064	-.1873336	.005349

st_CA	.1073556	.0224253	4.79	0.000	.0623349	.1523762
st_CO	-.0345244	.0397331	-0.87	0.389	-.114292	.0452432
st_CT	.002261	.0547184	0.04	0.967	-.1075907	.1121128
st_DC	.1252162	.015397	8.13	0.000	.0943055	.1561269
st_DE	-.0497718	.0889641	-0.56	0.578	-.2283746	.1288311
st_FL	-.0582924	.0600309	-0.97	0.336	-.1788094	.0622246
st_GA	.0226872	.0709574	0.32	0.750	-.1197657	.1651401
st_HI	-.0390946	.0940279	-0.42	0.679	-.2278634	.1496743
st_IA	-.1712502	.0861139	-1.99	0.052	-.3441311	.0016306
st_ID	.7152789	.0540758	13.23	0.000	.6067172	.8238407
st_IL	-.0708456	.0245999	-2.88	0.006	-.120232	-.0214592
st_IN	-.0137291	.0584835	-0.23	0.815	-.1311395	.1036814
st_KS	-.0399482	.0529508	-0.75	0.454	-.1462514	.066355
st_KY	-.0037991	.036627	-0.10	0.918	-.0773309	.0697328
st_LA	.0256041	.0359668	0.71	0.480	-.0466022	.0978104
st_MA	-.1155819	.0475225	-2.43	0.019	-.2109872	-.0201766
st_MD	.3972742	.0726147	5.47	0.000	.2514941	.5430542
st_ME	.7296403	.0673823	10.83	0.000	.5943647	.8649158
st_MI	.0367151	.0170934	2.15	0.036	.0023986	.0710316
st_MN	.3097603	.0678577	4.56	0.000	.1735303	.4459902
st_MO	-.0240395	.052952	-0.45	0.652	-.1303451	.0822661
st_MS	.034806	.0304731	1.14	0.259	-.0263712	.0959832
st_MT	.0209291	.0846961	0.25	0.806	-.1491055	.1909636
st_NC	.4233927	.0291839	14.51	0.000	.3648035	.4819819
st_ND	-.1008067	.1007108	-1.00	0.322	-.3029921	.1013786
st_NE	-.1446444	.089863	-1.61	0.114	-.325052	.0357632
st_NH	-.0464471	.078752	-0.59	0.558	-.2045484	.1116541
st_NJ	.0126052	.0434053	0.29	0.773	-.0745346	.0997451
st_NM	.0986077	.0400992	2.46	0.017	.0181052	.1791101
st_NV	-.0495013	.0532712	-0.93	0.357	-.1564478	.0574451
st_NY	-.0421348	.0320921	-1.31	0.195	-.1065623	.0222928
st_OH	.2067944	.0375686	5.50	0.000	.1313722	.2822166
st_OK	.0357281	.0511123	0.70	0.488	-.0668842	.1383403
st_OR	-.0695692	.0142748	-4.87	0.000	-.0982271	-.0409114
st_PA	.3164818	.0491388	6.44	0.000	.2178315	.4151321
st_PR	.108858	.1099027	0.99	0.327	-.1117808	.3294968
st_RI	-.5235875	.0726553	-7.21	0.000	-.669449	-.377726
st_SC	-.0410119	.0271401	-1.51	0.137	-.0954979	.0134741
st_SD	-.0497642	.1018708	-0.49	0.627	-.2542784	.15475
st_TN	-.0045308	.0513446	-0.09	0.930	-.1076095	.0985478
st_TX	.3888006	.0250351	15.53	0.000	.3385406	.4390606
st_UT	-.0676059	.0565195	-1.20	0.237	-.1810736	.0458618
st_VA	-.0166978	.0866992	-0.19	0.848	-.1907536	.157358
st_VT	-.1734664	.0833659	-2.08	0.042	-.3408305	-.0061024
st_WA	.0073862	.0110897	0.67	0.508	-.0148773	.0296497
st_WI	-.0318001	.0521873	-0.61	0.545	-.1365704	.0729702
st_WV	.6096047	.0448602	13.59	0.000	.5195441	.6996652
st_WY	.0009718	.0769064	0.01	0.990	-.1534242	.1553679
tsd_unemp_mean	-.017374	.0244303	-0.71	0.480	-.0664198	.0316719
tsd_unemp_cng	.0031359	.0144914	0.22	0.830	-.0259569	.0322286
pial	-.0000374	.0000648	-0.58	0.566	-.0001675	.0000926
pia_miss	-.0802321	.0689703	-1.16	0.250	-.2186958	.0582316
ime1	.0000333	.0000245	1.36	0.180	-.0000159	.0000825
ime_miss	.0152048	.0397593	0.38	0.704	-.0646154	.0950249
_cons	.1354863	.1837406	0.74	0.464	-.2333883	.5043609

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

nstw12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
--------	-------	-----------	---	------	----------------------

(1) | -.0030563 .0183074 -0.17 0.868 -.0398099 .0336974

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0030563

nstw12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	2.34e-17	.0183074	0.00	1.000	-.0367536 .0367536

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 51) = 1.03
 Prob > F = 0.4275

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 51) = 0.03
 Prob > F = 0.8681

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 51) = 1.13
 Prob > F = 0.3595

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs =	77128
F(50, 51) =	.
Prob > F =	.
R-squared =	0.3463
Root MSE =	2.3475

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
imm10_adj	-.0350848	.0281498	-1.25	0.218	-.0915978 .0214282
imm12_adj	.0147401	.0277703	0.53	0.598	-.0410112 .0704913
imm13_adj	.0007004	.0250154	0.03	0.978	-.0495201 .0509209
imm14_adj	-.0343525	.0375467	-0.91	0.365	-.1097307 .0410257
imm15_adj	-.0230082	.0257693	-0.89	0.376	-.0747421 .0287258
imm16_adj	.0030741	.0282688	0.11	0.914	-.0536778 .059826

imm17_adj	.0331797	.023359	1.42	0.162	-.0137155	.0800749
imm18_adj	.0052078	.0308185	0.17	0.866	-.056663	.0670785
imm19_adj	.0154702	.0312367	0.50	0.623	-.04724	.0781804
male	.0685683	.0135981	5.04	0.000	.041269	.0958677
gendermiss_flag	-.1632144	.061829	-2.64	0.011	-.2873412	-.0390875
tsd_age	-.0168067	.0018781	-8.95	0.000	-.0205771	-.0130362
doage2	.0035745	.0018377	1.95	0.057	-.0001149	.0072639
doage2miss_flag	-.0528496	.0595483	-0.89	0.379	-.1723978	.0666985
race_a	.0023644	.0968903	0.02	0.981	-.192151	.1968799
race_b	.0890192	.026781	3.32	0.002	.035254	.1427844
race_h	.1372768	.0660613	2.08	0.043	.0046532	.2699004
race_i	.0877556	.1146197	0.77	0.447	-.142353	.3178642
race_o	.0022308	.1628164	0.01	0.989	-.3246367	.3290983
race_mis	-.046702	.0695552	-0.67	0.505	-.18634	.0929359
tsd_edu_hs	.0615161	.017952	3.43	0.001	.025476	.0975563
tsd_edu_mrhs	.203933	.0231446	8.81	0.000	.1574682	.2503978
tsd_edu_mis	.1068094	.0320073	3.34	0.002	.0425521	.1710667
tsd_mie_exp	.0470952	.0628237	0.75	0.457	-.0790286	.173219
tsd_mie_mis	.0211456	.0314312	0.67	0.504	-.0419552	.0842465
tsd_mie_psbl	.0037299	.0198877	0.19	0.852	-.0361962	.043656
tsd_medicare	-.1462908	.033302	-4.39	0.000	-.2131475	-.0794342
tsd_medicare_miss	-.1649308	.0444413	-3.71	0.001	-.2541504	-.0757111
tsd_depend_1	-.0838711	.0228615	-3.67	0.001	-.1297675	-.0379747
tsd_depend_2	-.0725619	.0230764	-3.14	0.003	-.1188898	-.026234
tsd_depend_miss	.065398	.0329961	1.98	0.053	-.0008444	.1316403
tsd_vrpr	.3336626	.0330877	10.08	0.000	.2672363	.4000889
tsd_vrpr_miss	.3034007	.0322755	9.40	0.000	.238605	.3681964
pdcgrou2	-.0007053	.0219259	-0.03	0.974	-.0447234	.0433128
pdcgrou3	.1077581	.0175588	6.14	0.000	.0725074	.1430088
pdcgrou4	.1651163	.0231661	7.13	0.000	.1186083	.2116242
pdcgrou5	.0021681	.1855071	0.01	0.991	-.3702529	.3745891
cohort2000	-.0074451	.0425839	-0.17	0.862	-.0929359	.0780457
cohort2001	.007042	.0595312	0.12	0.906	-.1124718	.1265558
cohort2002	-.1235572	.0782769	-1.58	0.121	-.2807046	.0335902
cohort2003	.0818513	.0887066	0.92	0.360	-.0962347	.2599374
cohort2004	.1385925	.1094329	1.27	0.211	-.0811033	.3582883
award_b4_tsd	.0073301	.0649993	0.11	0.911	-.1231614	.1378216
diaward_tsd	-.0073469	.0027586	-2.66	0.010	-.0128851	-.0018088
epeb4twp_flag	.9119045	3.158561	0.29	0.774	-5.42917	7.252979
ldwb4twp_flag	.196192	1.488223	0.13	0.896	-2.79154	3.183924
ldwb4epe_flag	.2679773	.6184326	0.43	0.667	-.9735779	1.509532
twpb4tsd	2.71148	.1527288	17.75	0.000	2.404864	3.018095
epeb4tsd	.9776163	.0970885	10.07	0.000	.7827029	1.17253
ldwb4tsd	10.11042	.3368665	30.01	0.000	9.434136	10.78671
st_AL	-.179702	.1609646	-1.12	0.269	-.502852	.143448
st_AR	.0691518	.1333947	0.52	0.606	-.1986493	.3369529
st_AZ	.0619038	.1420483	0.44	0.665	-.2232701	.3470777
st_CA	.1170836	.0650174	1.80	0.078	-.0134442	.2476115
st_CO	-.0356419	.1190222	-0.30	0.766	-.2745888	.2033051
st_CT	.1590139	.1623275	0.98	0.332	-.1668722	.4849
st_DC	.3927211	.0423384	9.28	0.000	.3077233	.4777189
st_DE	.4540512	.2600836	1.75	0.087	-.0680884	.9761908
st_FL	.0934821	.1760029	0.53	0.598	-.2598585	.4468228
st_GA	.3159815	.2053304	1.54	0.130	-.0962365	.7281995
st_HI	.177756	.274326	0.65	0.520	-.3729764	.7284885
st_IA	-.0752902	.2505978	-0.30	0.765	-.5783863	.4278058
st_ID	1.77364	.1600572	11.08	0.000	1.452312	2.094968
st_IL	-.1129436	.0728106	-1.55	0.127	-.259117	.0332298
st_IN	.1665141	.1701641	0.98	0.332	-.1751046	.5081328
st_KS	.0857914	.1554229	0.55	0.583	-.2262332	.3978159
st_KY	.0641793	.1036755	0.62	0.539	-.1439579	.2723165
st_LA	.2031085	.1010485	2.01	0.050	.0002453	.4059718
st_MA	.0252075	.1434049	0.18	0.861	-.2626897	.3131048

st_MD	1.166499	.219494	5.31	0.000	.7258459	1.607151
st_ME	1.613406	.1925809	8.38	0.000	1.226783	2.000028
st_MI	.0844026	.0460222	1.83	0.072	-.0079908	.176796
st_MN	.814215	.2066434	3.94	0.000	.399361	1.229069
st_MO	.1036271	.153573	0.67	0.503	-.2046835	.4119378
st_MS	.1838836	.0836289	2.20	0.032	.0159917	.3517755
st_MT	.2662025	.2475114	1.08	0.287	-.2306972	.7631023
st_NC	.8533818	.0852086	10.02	0.000	.6823184	1.024445
st_ND	.1394658	.2974592	0.47	0.641	-.4577085	.73664
st_NE	-.1737275	.2720669	-0.64	0.526	-.7199247	.3724697
st_NH	.3165285	.2322434	1.36	0.179	-.1497196	.7827765
st_NJ	.2103192	.1291898	1.63	0.110	-.0490401	.4696785
st_NM	.3432968	.1232801	2.78	0.008	.0958016	.590792
st_NV	.1054947	.1595075	0.66	0.511	-.21473	.4257194
st_NY	.0130234	.0949931	0.14	0.891	-.1776833	.2037301
st_OH	.4829065	.112887	4.28	0.000	.2562763	.7095367
st_OK	.0147763	.1462434	0.10	0.920	-.2788195	.3083721
st_OR	-.1718387	.036528	-4.70	0.000	-.2451718	-.0985057
st_PA	.7381991	.1437707	5.13	0.000	.4495673	1.026831
st_PR	-.2331278	.312684	-0.75	0.459	-.8608671	.3946114
st_RI	-1.382588	.20389	-6.78	0.000	-1.791914	-.9732618
st_SC	-.0299726	.0745633	-0.40	0.689	-.1796647	.1197194
st_SD	.2285567	.3009157	0.76	0.451	-.3755568	.8326702
st_TN	.1377771	.1472458	0.94	0.354	-.1578312	.4333853
st_TX	.6213982	.0711921	8.73	0.000	.4784742	.7643223
st_UT	-.1025846	.1558823	-0.66	0.513	-.4155313	.2103622
st_VA	.3047039	.2540628	1.20	0.236	-.2053485	.8147564
st_VT	.0465023	.2429568	0.19	0.849	-.4412537	.5342584
st_WA	.0712233	.0229526	3.10	0.003	.0251441	.1173025
st_WI	.0455091	.1528166	0.30	0.767	-.2612831	.3523012
st_WV	1.619845	.1274981	12.70	0.000	1.363882	1.875808
st_WY	.23079	.2283927	1.01	0.317	-.2277274	.6893074
tsd_unemp_mean	.0607966	.0719343	0.85	0.402	-.0836175	.2052107
tsd_unemp_cng	.0566202	.0376947	1.50	0.139	-.019055	.1322954
pial	-.0000742	.0001206	-0.62	0.541	-.0003163	.0001678
pia_miss	-.2866155	.1167037	-2.46	0.017	-.5209079	-.052323
ime1	.0000955	.0000466	2.05	0.046	1.96e-06	.000189
ime_miss	.0216731	.0748083	0.29	0.773	-.1285108	.171857
_cons	-.1926103	.5494451	-0.35	0.727	-1.295667	.9104468

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

nstw24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0200733	.0418979	0.48	0.634	-.0640403 .104187

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj =
-.0200733

nstw24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-1.73e-17	.0418979	-0.00	1.000	-.0841136 .0841136

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0

(4) imm14_adj = 0
 (5) imm15_adj = 0
 (6) imm16_adj = 0
 (7) imm17_adj = 0
 (8) imm18_adj = 0
 (9) imm19_adj = 0

F(9, 51) = 1.17
 Prob > F = 0.3339

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj +
 imm17_adj + imm18_adj + imm19_adj = 0

F(1, 51) = 0.23
 Prob > F = 0.6339

(1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
 (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
 (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
 (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
 (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
 (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
 (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 51) = 1.46
 Prob > F = 0.2044

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.2952
 Root MSE = 3.9285

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	-.0214174	.0449136	-0.48	0.636	-.1115852	.0687505
imm12_adj	.0013274	.0488274	0.03	0.978	-.0966978	.0993525
imm13_adj	.001106	.0399348	0.03	0.978	-.0790664	.0812784
imm14_adj	-.0760576	.0605406	-1.26	0.215	-.1975979	.0454827
imm15_adj	-.0440329	.0410709	-1.07	0.289	-.1264862	.0384204
imm16_adj	.0118249	.045586	0.26	0.796	-.0796928	.1033426
imm17_adj	.0353458	.0416358	0.85	0.400	-.0482415	.1189332
imm18_adj	.0025629	.0416782	0.06	0.951	-.0811096	.0862354
imm19_adj	.0304224	.0499485	0.61	0.545	-.0698534	.1306981
male	.1401064	.025041	5.60	0.000	.0898346	.1903782
gendermiss_flag	-.6680402	.1228522	-5.44	0.000	-.9146762	-.4214042
tsd_age	-.0337531	.0035522	-9.50	0.000	-.0408844	-.0266217
doage2	.0042323	.0030147	1.40	0.166	-.0018199	.0102845
doage2miss_flag	-.2471749	.1211007	-2.04	0.046	-.4902948	-.0040551
race_a	.0228452	.1659074	0.14	0.891	-.3102279	.3559183
race_b	.1670583	.0414786	4.03	0.000	.0837865	.2503302
race_h	.2227222	.0841845	2.65	0.011	.0537148	.3917295
race_i	.1271063	.1926456	0.66	0.512	-.259646	.5138585
race_o	.0248795	.2400636	0.10	0.918	-.4570682	.5068272
race_mis	-.0754019	.1189159	-0.63	0.529	-.3141356	.1633317
tsd_edu_hs	.1057735	.0298714	3.54	0.001	.0458042	.1657428

tsd_edu_mrhs	.4172119	.0397005	10.51	0.000	.3375098	.4969139
tsd_edu_mis	.2247398	.0554175	4.06	0.000	.1134845	.335995
tsd_mie_exp	.0873572	.108725	0.80	0.425	-.1309174	.3056318
tsd_mie_mis	-.008163	.0487659	-0.17	0.868	-.1060647	.0897388
tsd_mie_psbl	-.0168353	.0340611	-0.49	0.623	-.0852157	.0515452
tsd_medicare	-.2426745	.0529609	-4.58	0.000	-.348998	-.136351
tsd_medicare_miss	-.3938971	.088837	-4.43	0.000	-.5722449	-.2155493
tsd_depend_1	-.1848134	.040011	-4.62	0.000	-.2651388	-.1044879
tsd_depend_2	-.1223691	.035552	-3.44	0.001	-.1937427	-.0509956
tsd_depend_miss	.0306925	.0611592	0.50	0.618	-.0920897	.1534748
tsd_vrpr	.5737977	.0540801	10.61	0.000	.4652273	.682368
tsd_vrpr_miss	.4298119	.0481559	8.93	0.000	.3331348	.526489
pdcgrou2	-.031823	.0415505	-0.77	0.447	-.1152391	.051593
pdcgrou3	.1919087	.0309102	6.21	0.000	.1298539	.2539636
pdcgrou4	.2889657	.0390326	7.40	0.000	.2106046	.3673269
pdcgrou5	-.0379454	.3679001	-0.10	0.918	-.7765356	.7006449
cohort2000	-.0479576	.0796895	-0.60	0.550	-.207941	.1120258
cohort2001	-.0323202	.1101194	-0.29	0.770	-.253394	.1887536
cohort2002	-.2399439	.138696	-1.73	0.090	-.5183877	.0384999
cohort2003	.2091521	.1720901	1.22	0.230	-.1363331	.5546373
cohort2004	.2101223	.1887502	1.11	0.271	-.1688095	.589054
award_b4_tsd	.085458	.1176787	0.73	0.471	-.1507917	.3217078
diaward_tsd	-.0139765	.0046985	-2.97	0.004	-.0234092	-.0045438
epeb4twp_flag	.8581026	3.484602	0.25	0.806	-6.137527	7.853733
ldwb4twp_flag	-.8456875	1.996422	-0.42	0.674	-4.853672	3.162296
ldwb4epe_flag	1.699921	1.124268	1.51	0.137	-.5571412	3.956984
twpb4tsd	4.669776	.2721228	17.16	0.000	4.123467	5.216085
epeb4tsd	1.221258	.1676712	7.28	0.000	.8846437	1.557872
ldwb4tsd	14.20908	.509453	27.89	0.000	13.18631	15.23185
st_AL	.3266528	.2564489	1.27	0.209	-.1881898	.8414955
st_AR	.1379893	.2112618	0.65	0.517	-.2861365	.562115
st_AZ	.3782159	.2229533	1.70	0.096	-.0693814	.8258133
st_CA	.3690849	.1020117	3.62	0.001	.1642878	.573882
st_CO	-.1493753	.1918729	-0.78	0.440	-.5345762	.2358255
st_CT	.35047	.2563443	1.37	0.178	-.1641625	.8651026
st_DC	.7874123	.0718342	10.96	0.000	.6431991	.9316256
st_DE	1.185434	.4060389	2.92	0.005	.3702765	2.000591
st_FL	.3736878	.2741249	1.36	0.179	-.1766409	.9240165
st_GA	.6674166	.3193578	2.09	0.042	.0262792	1.308554
st_HI	.3500525	.4252414	0.82	0.414	-.5036553	1.20376
st_IA	-.1438858	.3961077	-0.36	0.718	-.9391051	.6513335
st_ID	3.151379	.2540283	12.41	0.000	2.641396	3.661362
st_IL	-.0893349	.1184756	-0.75	0.454	-.3271846	.1485147
st_IN	.3952568	.2674625	1.48	0.146	-.1416966	.9322102
st_KS	.3264774	.2461714	1.33	0.191	-.1677324	.8206872
st_KY	.1582088	.1625135	0.97	0.335	-.1680507	.4844682
st_LA	.4079584	.1582555	2.58	0.013	.0902472	.7256697
st_MA	.3709191	.2304016	1.61	0.114	-.0916314	.8334696
st_MD	1.88085	.3507552	5.36	0.000	1.176679	2.58502
st_ME	2.432626	.3002318	8.10	0.000	1.829886	3.035367
st_MI	.1325457	.0740029	1.79	0.079	-.0160214	.2811127
st_MN	1.320652	.3290597	4.01	0.000	.660037	1.981267
st_MO	.2383932	.2417394	0.99	0.329	-.2469189	.7237052
st_MS	.3995943	.1279711	3.12	0.003	.1426816	.6565071
st_MT	.6338579	.387073	1.64	0.108	-.1432235	1.410939
st_NC	1.261941	.1372618	9.19	0.000	.9863764	1.537506
st_ND	.4138943	.4657905	0.89	0.378	-.5212193	1.349008
st_NE	-.3000146	.428952	-0.70	0.487	-1.161172	.5611425
st_NH	.8182211	.3627026	2.26	0.028	.0900653	1.546377
st_NJ	.4754379	.2042141	2.33	0.024	.0654609	.8854149
st_NM	.6060223	.1990964	3.04	0.004	.2063196	1.005725
st_NV	.3265836	.2507223	1.30	0.199	-.1767625	.8299296
st_NY	.1247936	.1515572	0.82	0.414	-.1794701	.4290573

st_OH	.8519029	.1814442	4.70	0.000	.4876385	1.216167
st_OK	.3551792	.2308942	1.54	0.130	-.1083604	.8187187
st_OR	-.200738	.0575868	-3.49	0.001	-.3163483	-.0851277
st_PA	1.195999	.226167	5.29	0.000	.7419501	1.650048
st_PR	-.6213921	.4872385	-1.28	0.208	-1.599564	.3567801
st_RI	-2.36075	.3239698	-7.29	0.000	-3.011147	-1.710354
st_SC	-.0777569	.1216396	-0.64	0.526	-.3219586	.1664447
st_SD	.5181211	.4732431	1.09	0.279	-.4319542	1.468196
st_TN	.295226	.2329819	1.27	0.211	-.1725047	.7629567
st_TX	.9161644	.1143643	8.01	0.000	.6865685	1.14576
st_UT	-.1607086	.2421775	-0.66	0.510	-.6469003	.3254831
st_VA	.7022878	.3985174	1.76	0.084	-.0977693	1.502345
st_VT	.0385936	.381545	0.10	0.920	-.7273899	.8045771
st_WA	.1992787	.0338938	5.88	0.000	.131234	.2673234
st_WI	.1955186	.2401903	0.81	0.419	-.2866836	.6777208
st_WV	3.063408	.1991662	15.38	0.000	2.663565	3.463251
st_WY	4.067385	.3580586	11.36	0.000	3.348552	4.786218
tsd_unemp_mean	.144288	.1128698	1.28	0.207	-.0823075	.3708835
tsd_unemp_cng	.1526834	.0550047	2.78	0.008	.0422569	.26311
pial	-.0000768	.0001978	-0.39	0.700	-.0004738	.0003203
pia_miss	-.4441476	.1682572	-2.64	0.011	-.781938	-.1063572
ime1	.0001744	.0000747	2.34	0.023	.0000245	.0003244
ime_miss	-.040539	.1064565	-0.38	0.705	-.2542593	.1731813
_cons	-.2155346	.8335726	-0.26	0.797	-1.889001	1.457932

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

nstw36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0589185	.0618339	0.95	0.345	-.0652182 .1830553

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj =
-.0589185

nstw36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-1.39e-17	.0618339	-0.00	1.000	-.1241367 .1241367

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 51) = 0.63
Prob > F = 0.7642

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 51) = 0.91
Prob > F = 0.3452

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 51) = 0.80
 Prob > F = 0.5897

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.2577
 Root MSE = 5.6668

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	-.0198805	.069299	-0.29	0.775	-.1590041	.1192431
imm12_adj	-.0102133	.0706977	-0.14	0.886	-.1521448	.1317182
imm13_adj	.0217163	.0574732	0.38	0.707	-.093666	.1370986
imm14_adj	-.0937811	.0880894	-1.06	0.292	-.2706279	.0830656
imm15_adj	-.0421507	.0555974	-0.76	0.452	-.1537671	.0694657
imm16_adj	.0158084	.06453	0.24	0.807	-.1137409	.1453578
imm17_adj	.0264339	.0671109	0.39	0.695	-.1082969	.1611647
imm18_adj	.0053163	.0513551	0.10	0.918	-.0977834	.108416
imm19_adj	.0128656	.0775398	0.17	0.869	-.142802	.1685331
male	.226132	.0414032	5.46	0.000	.1430116	.3092524
gendermiss_flag	-1.484842	.1982564	-7.49	0.000	-1.882859	-1.086826
tsd_age	-.0540249	.0052722	-10.25	0.000	-.0646093	-.0434405
doage2	.0032616	.0039935	0.82	0.418	-.0047558	.0112789
doage2miss_flag	-.782087	.1940525	-4.03	0.000	-1.171664	-.3925103
race_a	-.0094256	.2098006	-0.04	0.964	-.4306179	.4117668
race_b	.2663831	.0623225	4.27	0.000	.1412654	.3915008
race_h	.2943461	.1107483	2.66	0.010	.0720097	.5166825
race_i	.1965299	.2890572	0.68	0.500	-.3837767	.7768365
race_o	-.0386697	.3200754	-0.12	0.904	-.6812478	.6039084
race_mis	-.0972761	.1680858	-0.58	0.565	-.4347224	.2401701
tsd_edu_hs	.154327	.0431474	3.58	0.001	.0677051	.240949
tsd_edu_mrhs	.6893298	.05888	11.71	0.000	.5711233	.8075363
tsd_edu_mis	.3609631	.0786657	4.59	0.000	.2030352	.518891
tsd_mie_exp	.1030301	.1656146	0.62	0.537	-.2294552	.4355153
tsd_mie_mis	-.040033	.0694495	-0.58	0.567	-.1794586	.0993927
tsd_mie_psbl	-.0583789	.0500905	-1.17	0.249	-.1589397	.042182
tsd_medicare	-.3451009	.0740888	-4.66	0.000	-.4938404	-.1963614
tsd_medicare_miss	-.6884869	.1345189	-5.12	0.000	-.9585449	-.4184288
tsd_depend_1	-.2845223	.0592193	-4.80	0.000	-.40341	-.1656346
tsd_depend_2	-.1583535	.0423199	-3.74	0.000	-.2433141	-.0733928
tsd_depend_miss	-.1160861	.0875402	-1.33	0.191	-.2918304	.0596581
tsd_vrpr	.6452526	.0917299	7.03	0.000	.4610971	.8294082
tsd_vrpr_miss	.3491562	.0761815	4.58	0.000	.1962155	.5020969
pdcgrou2	-.0994287	.0619258	-1.61	0.115	-.2237499	.0248925
pdcgrou3	.2556731	.0529683	4.83	0.000	.1493348	.3620114
pdcgrou4	.4055548	.0605545	6.70	0.000	.2839865	.5271231

pdgroup5	-.146335	.5164872	-0.28	0.778	-1.183226	.8905564
cohort2000	-.08019	.1161196	-0.69	0.493	-.3133099	.15293
cohort2001	-.0628028	.1594557	-0.39	0.695	-.3829236	.257318
cohort2002	-.3327253	.2046266	-1.63	0.110	-.7435303	.0780797
cohort2003	.4660538	.3033339	1.54	0.131	-.1429144	1.075022
cohort2004	.4658455	.3316168	1.40	0.166	-.199903	1.131594
award_b4_tsd	.145799	.1861952	0.78	0.437	-.2280035	.5196016
diaward_tsd	-.0197108	.0070136	-2.81	0.007	-.0337911	-.0056305
epeb4twp_flag	2.623414	4.479086	0.59	0.561	-6.368727	11.61555
ldwb4twp_flag	-2.177219	2.522928	-0.86	0.392	-7.242209	2.88777
ldwb4epe_flag	3.700304	1.65239	2.24	0.030	.3829926	7.017615
twpb4tsd	6.517641	.3741374	17.42	0.000	5.766529	7.268753
epeb4tsd	1.320252	.2344316	5.63	0.000	.8496106	1.790893
ldwb4tsd	18.00952	.6757715	26.65	0.000	16.65285	19.36619
st_AL	.7127731	.3202354	2.23	0.030	.0698737	1.355672
st_AR	-.1080737	.264602	-0.41	0.685	-.6392843	.423137
st_AZ	.4673589	.2749632	1.70	0.095	-.0846529	1.019371
st_CA	.3036484	.1324151	2.29	0.026	.0378141	.5694827
st_CO	-.4838469	.2425107	-2.00	0.051	-.9707074	.0030135
st_CT	.1840053	.3218417	0.57	0.570	-.462119	.8301295
st_DC	.92862	.1005687	9.23	0.000	.7267198	1.13052
st_DE	1.515071	.4999168	3.03	0.004	.5114465	2.518696
st_FL	.2509277	.3382467	0.74	0.462	-.4281309	.9299863
st_GA	.6664014	.3949212	1.69	0.098	-.126436	1.459239
st_HI	.0052526	.5178581	0.01	0.992	-1.034391	1.044896
st_IA	-.5605581	.4950367	-1.13	0.263	-1.554386	.4332694
st_ID	5.560822	.3204775	17.35	0.000	4.917437	6.204207
st_IL	-.3187389	.1533486	-2.08	0.043	-.626599	-.0108788
st_IN	.2637892	.3332514	0.79	0.432	-.405241	.9328193
st_KS	.2351052	.3086971	0.76	0.450	-.3846299	.8548404
st_KY	-.0470888	.2032045	-0.23	0.818	-.4550388	.3608613
st_LA	.3387715	.1977204	1.71	0.093	-.0581688	.7357118
st_MA	.4128587	.2934742	1.41	0.166	-.1763155	1.002033
st_MD	2.580616	.4407579	5.85	0.000	1.695757	3.465474
st_ME	2.816234	.3683788	7.64	0.000	2.076682	3.555785
st_MI	-.0620875	.0985881	-0.63	0.532	-.2600114	.1358363
st_MN	1.300805	.4152619	3.13	0.003	.4671318	2.134478
st_MO	.0261127	.3019861	0.09	0.931	-.5801497	.6323751
st_MS	.3467624	.1566104	2.21	0.031	.032354	.6611708
st_MT	.6127939	.4769105	1.28	0.205	-.3446437	1.570232
st_NC	1.455996	.1778733	8.19	0.000	1.098901	1.813092
st_ND	.1956098	.5731797	0.34	0.734	-.9550964	1.346316
st_NE	-.9978437	.5361809	-1.86	0.069	-2.074272	.0785844
st_NH	.96744	.4476336	2.16	0.035	.0687781	1.866102
st_NJ	.4269769	.2556365	1.67	0.101	-.0862347	.9401886
st_NM	.5433721	.2526912	2.15	0.036	.0360734	1.050671
st_NV	.2478048	.3118308	0.79	0.430	-.3782216	.8738312
st_NY	.0680237	.1906885	0.36	0.723	-.3147994	.4508468
st_OH	.7456207	.2348038	3.18	0.003	.2742325	1.217009
st_OK	.6353638	.2875275	2.21	0.032	.0581284	1.212599
st_OR	-.3950101	.0742299	-5.32	0.000	-.5440327	-.2459874
st_PA	1.359987	.2820851	4.82	0.000	.7936775	1.926296
st_PR	-.9723186	.6010894	-1.62	0.112	-2.179056	.2344188
st_RI	-3.713034	.4168831	-8.91	0.000	-4.549962	-2.876106
st_SC	-.4838402	.1579689	-3.06	0.003	-.8009761	-.1667043
st_SD	.255497	.5839414	0.44	0.664	-.9168143	1.427808
st_TN	.1192446	.2917836	0.41	0.684	-.4665355	.7050247
st_TX	1.010052	.1483589	6.81	0.000	.7122087	1.307895
st_UT	-.5754643	.3036011	-1.90	0.064	-1.184969	.0340403
st_VA	.6787582	.4925315	1.38	0.174	-.3100402	1.667557
st_VT	-.6230717	.4736731	-1.32	0.194	-1.57401	.3278667
st_WA	.2409684	.0452565	5.32	0.000	.1501121	.3318246
st_WI	-.0156685	.2989141	-0.05	0.958	-.6157636	.5844266

st_WV	4.548422	.2468882	18.42	0.000	4.052773	5.04407
st_WY	7.697037	.4395322	17.51	0.000	6.814639	8.579435
tsd_unemp_mean	.1602608	.1392118	1.15	0.255	-.1192185	.4397401
tsd_unemp_cng	.2072261	.0788336	2.63	0.011	.0489611	.3654911
pial	-.0000809	.0002886	-0.28	0.780	-.0006604	.0004986
pia_miss	-.520014	.2161223	-2.41	0.020	-.9538977	-.0861303
ime1	.0002657	.0001055	2.52	0.015	.000054	.0004775
ime_miss	-.1650426	.1388033	-1.19	0.240	-.4437017	.1136166
_cons	.8806112	1.004719	0.88	0.385	-1.136446	2.897669

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

nstw48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	.0838851	.0813586	1.03	0.307	-.0794492	.2472194

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj =
-.0838851

nstw48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	4.16e-17	.0813586	0.00	1.000	-.1633343	.1633343

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 51) = 0.34
Prob > F = 0.9561

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 51) = 1.06
Prob > F = 0.3074

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 51) = 0.37
Prob > F = 0.9156

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH2_unemp.xls
dir : seeout

Linear regression

Number of obs = 114377
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.1209
 Root MSE = .12655

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	-.0014466	.0007408	-1.95	0.056	-.0029338	.0000407
imm23_adj	.0024087	.0013585	1.77	0.082	-.0003185	.0051359
imm24_adj	-.00023	.0008423	-0.27	0.786	-.001921	.001461
imm25_adj	.000707	.0009631	0.73	0.466	-.0012264	.0026405
imm26_adj	-.0001046	.0005734	-0.18	0.856	-.0012558	.0010466
imm27_adj	-.0004349	.0010493	-0.41	0.680	-.0025413	.0016716
imm28_adj	.0019793	.0007782	2.54	0.014	.0004169	.0035417
imm29_adj	-.0018164	.0011073	-1.64	0.107	-.0040394	.0004066
imm30_adj	-.0011141	.0010202	-1.09	0.280	-.0031623	.000934
male	.0012957	.0006887	1.88	0.066	-.0000868	.0026782
gendermiss_flag	-.0068455	.0031835	-2.15	0.036	-.0132366	-.0004544
tsd_age	-.0002803	.0000903	-3.10	0.003	-.0004616	-.0000989
doage2	-.0000828	.0000602	-1.38	0.175	-.0002036	.000038
doage2miss_flag	-.1179584	.0068739	-17.16	0.000	-.1317582	-.1041585
race_a	-.0026155	.0027862	-0.94	0.352	-.0082091	.0029781
race_b	.0041424	.001654	2.50	0.016	.0008219	.0074629
race_h	.001473	.0005829	2.53	0.015	.0003027	.0026432
race_i	.0044393	.0041738	1.06	0.293	-.00394	.0128186
race_o	.0113986	.0032438	3.51	0.001	.0048864	.0179107
race_mis	.006672	.0024005	2.78	0.008	.0018529	.0114911
tsd_edu_hs	.0028294	.0007512	3.77	0.000	.0013213	.0043375
tsd_edu_mrhs	.0067569	.001136	5.95	0.000	.0044762	.0090375
tsd_edu_mis	.0049368	.0009744	5.07	0.000	.0029806	.006893
tsd_mie_exp	.0031517	.0024198	1.30	0.199	-.0017063	.0080098
tsd_mie_mis	-.0018685	.0011714	-1.60	0.117	-.0042202	.0004832
tsd_mie_psbl	-.0000386	.0010399	-0.04	0.971	-.0021263	.0020491
tsd_medicare	-.005142	.0011839	-4.34	0.000	-.0075187	-.0027653
tsd_medicare_miss	-.0064946	.0029012	-2.24	0.030	-.012319	-.0006703
tsd_depend_1	-.0025768	.0008555	-3.01	0.004	-.0042944	-.0008592
tsd_depend_2	-.0004688	.0008232	-0.57	0.571	-.0021214	.0011837
tsd_depend_miss	.0046265	.00307	1.51	0.138	-.0015367	.0107897
tsd_vrpr	.0100958	.0022748	4.44	0.000	.0055288	.0146627
tsd_vrpr_miss	.0121438	.0019773	6.14	0.000	.0081743	.0161133
pdcgrou2	-.0024541	.0012156	-2.02	0.049	-.0048945	-.0000137
pdcgrou3	.0036074	.0014045	2.57	0.013	.0007877	.0064271
pdcgrou4	.0016969	.0006902	2.46	0.017	.0003113	.0030824
pdcgrou5	-.0011333	.0078856	-0.14	0.886	-.0169644	.0146977
cohort2000	.0023593	.002565	0.92	0.362	-.0027901	.0075087
cohort2001	.0056719	.0028355	2.00	0.051	-.0000205	.0113644
cohort2002	.0068274	.0053541	1.28	0.208	-.0039215	.0175763
cohort2003	.0048261	.0057728	0.84	0.407	-.0067634	.0164155
cohort2004	.0153968	.0092957	1.66	0.104	-.003265	.0340587
award_b4_tsd	-.0044667	.0030778	-1.45	0.153	-.0106457	.0017124
diaward_tsd	-.0002224	.0000973	-2.28	0.027	-.0004178	-.0000027
epeb4twp_flag	-.0928927	.0350844	-2.65	0.011	-.1633275	-.0224578
ldwb4twp_flag	.1014684	.0563449	1.80	0.078	-.0116487	.2145855
ldwb4epe_flag	.116016	.0227733	5.09	0.000	.0702966	.1617354
twpb4tsd	.1539105	.0125355	12.28	0.000	.1287443	.1790766
epeb4tsd	.059233	.0054881	10.79	0.000	.0482152	.0702507
ldwb4tsd	-.093208	.0177263	-5.26	0.000	-.128795	-.057621
st_AL	-.0032858	.003411	-0.96	0.340	-.0101338	.0035621

st_AR	-.0122944	.0027568	-4.46	0.000	-.017829	-.0067599
st_AZ	.0092758	.0036415	2.55	0.014	.0019652	.0165863
st_CA	.0092196	.0019393	4.75	0.000	.0053262	.0131129
st_CO	-.0090726	.0031621	-2.87	0.006	-.0154208	-.0027243
st_CT	.0010915	.0039341	0.28	0.783	-.0068066	.0089896
st_DC	-.0273533	.0019751	-13.85	0.000	-.0313186	-.0233881
st_DE	-.0114105	.0053526	-2.13	0.038	-.0221563	-.0006647
st_FL	-.0133336	.0040929	-3.26	0.002	-.0215504	-.0051169
st_GA	-.0044674	.0040888	-1.09	0.280	-.0126759	.0037411
st_HI	-.0006778	.0066025	-0.10	0.919	-.0139329	.0125774
st_IA	-.0267426	.004376	-6.11	0.000	-.0355278	-.0179575
st_ID	.0009293	.0040762	0.23	0.821	-.0072541	.0091127
st_IL	-.0160861	.0023012	-6.99	0.000	-.0207059	-.0114663
st_IN	-.0153213	.0033734	-4.54	0.000	-.0220937	-.0085488
st_KS	-.0020498	.0028949	-0.71	0.482	-.0078616	.0037619
st_KY	-.0071575	.0026793	-2.67	0.010	-.0125364	-.0017787
st_LA	.0040522	.0027828	1.46	0.151	-.0015346	.009639
st_MA	-.0051853	.0032671	-1.59	0.119	-.0117442	.0013737
st_MD	.0028228	.0046782	0.60	0.549	-.0065692	.0122147
st_ME	.0000176	.0040795	0.00	0.997	-.0081722	.0082074
st_MI	-.0022626	.0013886	-1.63	0.109	-.0050504	.0005252
st_MN	.0012433	.0042636	0.29	0.772	-.0073163	.0098028
st_MO	-.0088238	.0029087	-3.03	0.004	-.0146632	-.0029843
st_MS	-.0006898	.0020717	-0.33	0.741	-.0048489	.0034693
st_MT	.0526806	.0051107	10.31	0.000	.0424205	.0629407
st_NC	.0005097	.0027574	0.18	0.854	-.0050261	.0060455
st_ND	-.0547013	.0073411	-7.45	0.000	-.0694392	-.0399634
st_NE	-.005382	.005192	-1.04	0.305	-.0158054	.0050414
st_NH	-.0160502	.005313	-3.02	0.004	-.0267165	-.005384
st_NJ	-.0104064	.0037709	-2.76	0.008	-.0179767	-.002836
st_NM	-.0283713	.003405	-8.33	0.000	-.0352071	-.0215356
st_NV	-.0220097	.0046263	-4.76	0.000	-.0312974	-.012722
st_NY	-.0112273	.0024884	-4.51	0.000	-.016223	-.0062315
st_OH	.0007589	.0023267	0.33	0.746	-.0039122	.0054299
st_OK	-.0135601	.0037708	-3.60	0.001	-.0211302	-.0059899
st_OR	-.0028943	.001444	-2.00	0.050	-.0057932	4.51e-06
st_PA	.0040031	.002996	1.34	0.187	-.0020116	.0100179
st_PR	.0139348	.0050193	2.78	0.008	.0038582	.0240115
st_RI	.0058275	.0031014	1.88	0.066	-.0003987	.0120538
st_SC	.0039801	.0012273	3.24	0.002	.0015161	.0064441
st_SD	-.03369	.0053132	-6.34	0.000	-.0443567	-.0230234
st_TN	-.0116371	.0031056	-3.75	0.000	-.0178718	-.0054023
st_TX	.0068387	.0022771	3.00	0.004	.0022672	.0114102
st_UT	-.0006126	.0035029	-0.17	0.862	-.0076451	.0064198
st_VA	-.0090694	.0054381	-1.67	0.101	-.0199867	.001848
st_VT	.0329646	.0052571	6.27	0.000	.0224107	.0435186
st_WA	.0053176	.0020667	2.57	0.013	.0011684	.0094667
st_WI	-.0210815	.0038529	-5.47	0.000	-.0288165	-.0133464
st_WV	.0029264	.0031096	0.94	0.351	-.0033163	.0091692
st_WY	-.0111377	.0051704	-2.15	0.036	-.0215177	-.0007578
tsd_unemp_mean	-.0031248	.0014553	-2.15	0.037	-.0060464	-.0002033
tsd_unemp_cng	-.0001388	.0007105	-0.20	0.846	-.0015653	.0012876
pia1	-8.25e-06	2.84e-06	-2.90	0.005	-.000014	-2.54e-06
pia_miss	-.0185845	.0033057	-5.62	0.000	-.0252209	-.0119481
ime1	4.34e-06	8.86e-07	4.89	0.000	2.56e-06	6.12e-06
ime_miss	.004586	.0016476	2.78	0.008	.0012782	.0078937
_cons	.0218413	.0137913	1.58	0.119	-.0058459	.0495284

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj -
imm28_adj - imm29_adj - imm30_adj = 0

ldwroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	.0000515	.0009659	0.05	0.958	-.0018876	.0019906

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj =
-.0000515

ldwroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	4.93e-17	.0009659	0.00	1.000	-.0019391	.0019391

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 51) = 3.33
Prob > F = 0.0029

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 51) = 0.00
Prob > F = 0.9577

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 51) = 3.99
Prob > F = 0.0015

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH3_unemp.xls
dir : seeout

Linear regression

Number of obs = 114377
F(50, 51) = .
Prob > F = .
R-squared = 0.1205
Root MSE = .17637

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll124	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	-.0007863	.0013787	-0.57	0.571	-.0035541	.0019816
imm23_adj	.0032518	.0013144	2.47	0.017	.0006129	.0058906
imm24_adj	.0012113	.0010239	1.18	0.242	-.0008443	.0032669

imm25_adj	.0006714	.0016748	0.40	0.690	-.0026909	.0040338
imm26_adj	-.0007565	.0017443	-0.43	0.666	-.0042584	.0027454
imm27_adj	.0018094	.0013834	1.31	0.197	-.0009678	.0045866
imm28_adj	.0008349	.001181	0.71	0.483	-.001536	.0032058
imm29_adj	-.0038263	.0013745	-2.78	0.008	-.0065858	-.0010669
imm30_adj	-.000549	.0017153	-0.32	0.750	-.0039926	.0028945
male	.0040145	.0011539	3.48	0.001	.001698	.006331
gendermiss_flag	-.0214229	.0062477	-3.43	0.001	-.0339656	-.0088801
tsd_age	-.0008811	.000147	-5.99	0.000	-.0011762	-.000586
doage2	-.0001341	.0000782	-1.72	0.092	-.0002911	.0000228
doage2miss_flag	-.1460892	.0116968	-12.49	0.000	-.1695715	-.122607
race_a	.0012596	.0039787	0.32	0.753	-.0067281	.0092472
race_b	.0099751	.0026099	3.82	0.000	.0047355	.0152148
race_h	.0057272	.001218	4.70	0.000	.0032819	.0081726
race_i	-.0012148	.0055859	-0.22	0.829	-.012429	.0099994
race_o	.0209121	.0057544	3.63	0.001	.0093596	.0324646
race_mis	.0069892	.0050691	1.38	0.174	-.0031874	.0171658
tsd_edu_hs	.005896	.0010731	5.49	0.000	.0037417	.0080503
tsd_edu_mrhs	.0159578	.0017468	9.14	0.000	.0124509	.0194647
tsd_edu_mis	.0102165	.0016227	6.30	0.000	.0069588	.0134743
tsd_mie_exp	.0051562	.0026209	1.97	0.055	-.0001055	.0104179
tsd_mie_mis	-.0039621	.0015	-2.64	0.011	-.0069734	-.0009508
tsd_mie_psbl	-.0008622	.0011994	-0.72	0.476	-.0032701	.0015458
tsd_medicare	-.0103128	.0012202	-8.45	0.000	-.0127625	-.007863
tsd_medicare_miss	-.0247626	.005228	-4.74	0.000	-.0352582	-.014267
tsd_depend_1	-.0042105	.0014757	-2.85	0.006	-.007173	-.001248
tsd_depend_2	-.0012004	.0018914	-0.63	0.528	-.0049975	.0025967
tsd_depend_miss	-.0026781	.0047445	-0.56	0.575	-.0122032	.006847
tsd_vrpr	.0132183	.0046532	2.84	0.006	.0038766	.02256
tsd_vrpr_miss	.0054429	.0036023	1.51	0.137	-.0017891	.0126748
pdcgrou2	-.009125	.0018368	-4.97	0.000	-.0128125	-.0054375
pdcgrou3	.0053493	.0013634	3.92	0.000	.0026122	.0080863
pdcgrou4	.0014488	.0012051	1.20	0.235	-.0009706	.0038682
pdcgrou5	-.0017418	.0108858	-0.16	0.874	-.0235959	.0201123
cohort2000	-.0016758	.0026514	-0.63	0.530	-.0069986	.0036471
cohort2001	.0000142	.0030361	0.00	0.996	-.0060809	.0061094
cohort2002	-.0008181	.0056886	-0.14	0.886	-.0122385	.0106022
cohort2003	.0012453	.007712	0.16	0.872	-.0142373	.0167279
cohort2004	.0344093	.0171149	2.01	0.050	.0000497	.0687689
award_b4_tsd	-.0138335	.0084822	-1.63	0.109	-.0308622	.0031952
diaward_tsd	-.0005836	.000155	-3.77	0.000	-.0008947	-.0002724
epeb4twp_flag	-.1009074	.0421814	-2.39	0.020	-.1855901	-.0162246
ldwb4twp_flag	.1056593	.054534	1.94	0.058	-.0038223	.215141
ldwb4epe_flag	.2748679	.0315778	8.70	0.000	.2114728	.3382631
twpb4tsd	.2102968	.0131245	16.02	0.000	.1839483	.2366453
epeb4tsd	.0565708	.0052603	10.75	0.000	.0460104	.0671312
ldwb4tsd	-.1307026	.0218273	-5.99	0.000	-.1745228	-.0868823
st_AL	.0090028	.0045937	1.96	0.055	-.0002195	.0182251
st_AR	.0107317	.0033296	3.22	0.002	.0040473	.0174161
st_AZ	.0166599	.0045008	3.70	0.001	.0076241	.0256957
st_CA	.030665	.0028537	10.75	0.000	.0249359	.0363941
st_CO	-.0012386	.0041573	-0.30	0.767	-.0095847	.0071075
st_CT	.0472546	.0048644	9.71	0.000	.0374889	.0570203
st_DC	-.0316063	.0027554	-11.47	0.000	-.037138	-.0260746
st_DE	.0128711	.006494	1.98	0.053	-.0001662	.0259083
st_FL	-.0098257	.0051603	-1.90	0.063	-.0201854	.000534
st_GA	.0048731	.0052889	0.92	0.361	-.0057447	.015491
st_HI	.0097988	.0093491	1.05	0.300	-.0089703	.0285679
st_IA	-.0327388	.0057345	-5.71	0.000	-.0442513	-.0212263
st_ID	.015011	.0059413	2.53	0.015	.0030834	.0269387
st_IL	.0012445	.0027159	0.46	0.649	-.0042079	.006697
st_IN	.008661	.0043472	1.99	0.052	-.0000665	.0173885
st_KS	.0094847	.003622	2.62	0.012	.0022132	.0167562

st_KY	.0070953	.0033477	2.12	0.039	.0003745	.013816
st_LA	.0035407	.0035381	1.00	0.322	-.0035623	.0106436
st_MA	-.0053966	.0040666	-1.33	0.190	-.0135606	.0027674
st_MD	.0199711	.0063482	3.15	0.003	.0072266	.0327156
st_ME	.0168207	.0056718	2.97	0.005	.005434	.0282074
st_MI	.0150571	.0014995	10.04	0.000	.0120467	.0180675
st_MN	.0165005	.0060145	2.74	0.008	.0044259	.0285752
st_MO	.0091841	.0037992	2.42	0.019	.0015569	.0168112
st_MS	.0090616	.0026652	3.40	0.001	.003711	.0144122
st_MT	.0402902	.0067765	5.95	0.000	.0266858	.0538946
st_NC	.010157	.0039034	2.60	0.012	.0023206	.0179933
st_ND	-.0733079	.0104986	-6.98	0.000	-.0943848	-.0522311
st_NE	.0081152	.0071813	1.13	0.264	-.0063019	.0225322
st_NH	.005153	.0070276	0.73	0.467	-.0089554	.0192614
st_NJ	-.0006249	.0047725	-0.13	0.896	-.010206	.0089562
st_NM	-.0172563	.0040636	-4.25	0.000	-.0254143	-.0090984
st_NV	-.0144576	.0057476	-2.52	0.015	-.0259963	-.0029189
st_NY	.0044527	.0031281	1.42	0.161	-.0018273	.0107327
st_OH	.0179639	.0031683	5.67	0.000	.0116033	.0243245
st_OK	-.0176205	.0048142	-3.66	0.001	-.0272853	-.0079556
st_OR	.0061931	.0014018	4.42	0.000	.0033789	.0090073
st_PA	.0199868	.0041732	4.79	0.000	.0116088	.0283648
st_PR	.0285741	.0069266	4.13	0.000	.0146684	.0424797
st_RI	.0246431	.0045771	5.38	0.000	.0154543	.033832
st_SC	.0114802	.0014074	8.16	0.000	.0086547	.0143058
st_SD	-.0561499	.0084675	-6.63	0.000	-.0731491	-.0391507
st_TN	-.0027238	.0038847	-0.70	0.486	-.0105227	.0050751
st_TX	.0235047	.0032008	7.34	0.000	.0170788	.0299306
st_UT	.0147462	.0051215	2.88	0.006	.0044643	.0250282
st_VA	.0071739	.0069002	1.04	0.303	-.0066788	.0210265
st_VT	.031604	.0065268	4.84	0.000	.0185009	.0447071
st_WA	.0293978	.0028641	10.26	0.000	.0236479	.0351476
st_WI	-.0023109	.0049639	-0.47	0.644	-.0122764	.0076546
st_WV	.0152244	.004333	3.51	0.001	.0065256	.0239233
st_WY	-.0062123	.0071596	-0.87	0.390	-.0205857	.0081612
tsd_unemp_mean	-.0048271	.0018631	-2.59	0.012	-.0085673	-.0010869
tsd_unemp_cng	-.0009738	.0009293	-1.05	0.300	-.0028395	.0008919
pial	-.0000108	3.45e-06	-3.13	0.003	-.0000178	-3.89e-06
pia_miss	-.0202268	.0044332	-4.56	0.000	-.0291268	-.0113268
ime1	6.64e-06	1.19e-06	5.58	0.000	4.25e-06	9.03e-06
ime_miss	-.0016367	.0025031	-0.65	0.516	-.0066619	.0033885
_cons	.0714974	.0149802	4.77	0.000	.0414234	.1015713

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

ldwroll124	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0018606	.0010569	-1.76	0.084	-.0039824 .0002611

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = .0018606

ldwroll124	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-1.30e-18	.0010569	-0.00	1.000	-.0021217 .0021217

(1) imm21_adj = 0

(2) imm23_adj = 0
 (3) imm24_adj = 0
 (4) imm25_adj = 0
 (5) imm26_adj = 0
 (6) imm27_adj = 0
 (7) imm28_adj = 0
 (8) imm29_adj = 0
 (9) imm30_adj = 0

F(9, 51) = 2.54
 Prob > F = 0.0171

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
 imm28_adj + imm29_adj + imm30_adj = 0

F(1, 51) = 3.10
 Prob > F = 0.0843

(1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
 (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
 (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
 (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
 (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
 (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
 (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 51) = 2.87
 Prob > F = 0.0133

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.1202
 Root MSE = .21036

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	-.000261	.0015156	-0.17	0.864	-.0033037	.0027817
imm23_adj	.0050955	.00238	2.14	0.037	.0003175	.0098736
imm24_adj	.0002025	.0015974	0.13	0.900	-.0030044	.0034094
imm25_adj	-.0005779	.0015612	-0.37	0.713	-.0037121	.0025563
imm26_adj	-.0001635	.0022549	-0.07	0.942	-.0046904	.0043633
imm27_adj	.002796	.0017932	1.56	0.125	-.0008039	.0063959
imm28_adj	.0004724	.0014324	0.33	0.743	-.0024033	.0033481
imm29_adj	-.0044683	.0015319	-2.92	0.005	-.0075436	-.0013929
imm30_adj	-.0015983	.0021798	-0.73	0.467	-.0059745	.0027779
male	.005491	.00157	3.50	0.001	.0023391	.0086429
gendermiss_flag	-.0339654	.007038	-4.83	0.000	-.0480948	-.019836
tsd_age	-.0014397	.0001995	-7.22	0.000	-.0018402	-.0010393
doage2	-.0003187	.0001263	-2.52	0.015	-.0005723	-.000065
doage2miss_flag	-.1473393	.0132362	-11.13	0.000	-.173912	-.1207666
race_a	.0030005	.002966	1.01	0.317	-.0029541	.0089551
race_b	.0150441	.0025619	5.87	0.000	.0099008	.0201874
race_h	.0062497	.0024441	2.56	0.014	.0013429	.0111565
race_i	.0045376	.0067356	0.67	0.504	-.0089847	.0180599
race_o	.0168649	.0060211	2.80	0.007	.0047771	.0289528

race_mis	.0047129	.0062177	0.76	0.452	-.0077697	.0171955
tsd_edu_hs	.0084539	.0012502	6.76	0.000	.005944	.0109638
tsd_edu_mrhs	.0217987	.0020513	10.63	0.000	.0176804	.0259169
tsd_edu_mis	.0135016	.0014864	9.08	0.000	.0105174	.0164857
tsd_mie_exp	.0040158	.0039856	1.01	0.318	-.0039856	.0120172
tsd_mie_mis	-.0036119	.0019744	-1.83	0.073	-.0075756	.0003519
tsd_mie_psbl	-.0021547	.0015867	-1.36	0.180	-.0053402	.0010307
tsd_medicare	-.0134955	.001447	-9.33	0.000	-.0164006	-.0105904
tsd_medicare_miss	-.0381704	.0067883	-5.62	0.000	-.0517986	-.0245422
tsd_depend_1	-.0027382	.0018599	-1.47	0.147	-.0064722	.0009957
tsd_depend_2	.0010384	.0025132	0.41	0.681	-.0040071	.006084
tsd_depend_miss	-.0098813	.0053283	-1.85	0.069	-.0205783	.0008157
tsd_vrpr	.0001265	.0040896	0.03	0.975	-.0080837	.0083367
tsd_vrpr_miss	-.0181847	.0042247	-4.30	0.000	-.0266662	-.0097033
pdcgrou2	-.0145366	.0027455	-5.29	0.000	-.0200485	-.0090248
pdcgrou3	.0052433	.0016307	3.22	0.002	.0019695	.0085171
pdcgrou4	-.0019062	.0019885	-0.96	0.342	-.0058982	.0020858
pdcgrou5	-.0131649	.0115552	-1.14	0.260	-.0363629	.010033
cohort2000	-.0025525	.0023338	-1.09	0.279	-.0072378	.0021327
cohort2001	-.0026076	.0035733	-0.73	0.469	-.0097814	.0045662
cohort2002	-.0057124	.0062833	-0.91	0.368	-.0183267	.0069018
cohort2003	-.002622	.0085326	-0.31	0.760	-.0197519	.014508
cohort2004	.0474448	.0200736	2.36	0.022	.0071453	.0877443
award_b4_tsd	-.0025146	.0130982	-0.19	0.849	-.0288103	.023781
diaward_tsd	-.000761	.0002055	-3.70	0.001	-.0011736	-.0003484
epeb4twp_flag	-.2246804	.0587631	-3.82	0.000	-.3426521	-.1067086
ldwb4twp_flag	.352338	.0825857	4.27	0.000	.1865402	.5181358
ldwb4epe_flag	.3930162	.0308362	12.75	0.000	.3311099	.4549225
twpb4tsd	.2452097	.0125945	19.47	0.000	.2199251	.2704943
epeb4tsd	.0456706	.0060095	7.60	0.000	.0336061	.0577351
ldwb4tsd	-.1624666	.0230323	-7.05	0.000	-.208706	-.1162272
st_AL	.0286638	.0053841	5.32	0.000	.0178548	.0394727
st_AR	.0157245	.0037644	4.18	0.000	.0081672	.0232819
st_AZ	.0266111	.0053205	5.00	0.000	.0159296	.0372925
st_CA	.0599875	.002968	20.21	0.000	.054029	.065946
st_CO	.0430025	.0044092	9.75	0.000	.0341506	.0518543
st_CT	.0640826	.0057483	11.15	0.000	.0525425	.0756227
st_DC	.026381	.0031217	8.45	0.000	.0201139	.0326482
st_DE	.0145207	.0074595	1.95	0.057	-.0004548	.0294962
st_FL	.0061215	.0059816	1.02	0.311	-.0058871	.0181302
st_GA	.0209474	.0060435	3.47	0.001	.0088146	.0330802
st_HI	.0364852	.0091153	4.00	0.000	.0181855	.0547849
st_IA	-.0164364	.0063645	-2.58	0.013	-.0292138	-.0036591
st_ID	.0302515	.0066911	4.52	0.000	.0168186	.0436845
st_IL	.0306599	.0029713	10.32	0.000	.0246947	.036625
st_IN	.0251209	.0048737	5.15	0.000	.0153366	.0349051
st_KS	.0396324	.0041028	9.66	0.000	.0313958	.0478691
st_KY	.0477831	.0040603	11.77	0.000	.0396318	.0559344
st_LA	.0339773	.0039793	8.54	0.000	.0259886	.041966
st_MA	.0245987	.0047866	5.14	0.000	.0149893	.0342081
st_MD	.041196	.0072137	5.71	0.000	.026714	.0556781
st_ME	.0432503	.0063676	6.79	0.000	.0304669	.0560337
st_MI	.0379592	.001831	20.73	0.000	.0342833	.041635
st_MN	.0414634	.0067048	6.18	0.000	.028003	.0549238
st_MO	.0234777	.0042813	5.48	0.000	.0148827	.0320727
st_MS	.0370218	.0031076	11.91	0.000	.0307831	.0432606
st_MT	.037106	.008043	4.61	0.000	.0209591	.053253
st_NC	.0287365	.0045229	6.35	0.000	.0196564	.0378166
st_ND	-.0757484	.011263	-6.73	0.000	-.0983599	-.0531369
st_NE	.0269751	.0079345	3.40	0.001	.011046	.0429042
st_NH	.0056536	.0082543	0.68	0.496	-.0109176	.0222247
st_NJ	.0323159	.0055437	5.83	0.000	.0211864	.0434454
st_NM	.0413664	.004322	9.57	0.000	.0326896	.0500432

st_NV	.0136842	.0065896	2.08	0.043	.0004551	.0269134
st_NY	.0324446	.0036502	8.89	0.000	.0251165	.0397727
st_OH	.0379615	.0034765	10.92	0.000	.0309821	.044941
st_OK	.0047115	.0054409	0.87	0.391	-.0062114	.0156345
st_OR	.0110917	.0019663	5.64	0.000	.0071443	.0150391
st_PA	.041807	.0046915	8.91	0.000	.0323884	.0512257
st_PR	.047354	.0080693	5.87	0.000	.0311543	.0635537
st_RI	.048646	.005066	9.60	0.000	.0384755	.0588165
st_SC	.0228562	.0019825	11.53	0.000	.0188761	.0268363
st_SD	-.0662253	.009142	-7.24	0.000	-.0845786	-.0478719
st_TN	.011829	.004518	2.62	0.012	.0027587	.0208992
st_TX	.046442	.0035488	13.09	0.000	.0393176	.0535664
st_UT	.0336502	.0055627	6.05	0.000	.0224827	.0448177
st_VA	.0372591	.0079346	4.70	0.000	.0213297	.0531884
st_VT	.0819168	.0074588	10.98	0.000	.0669428	.0968909
st_WA	.0517625	.0031844	16.25	0.000	.0453695	.0581555
st_WI	.0302969	.0055763	5.43	0.000	.0191021	.0414918
st_WV	.0335946	.0048687	6.90	0.000	.0238203	.0433689
st_WY	.0117338	.0079884	1.47	0.148	-.0043035	.0277711
tsd_unemp_mean	-.0056362	.0021632	-2.61	0.012	-.0099791	-.0012934
tsd_unemp_cng	-.0009822	.001515	-0.65	0.520	-.0040236	.0020592
pial	-4.52e-06	4.28e-06	-1.06	0.296	-.0000131	4.07e-06
pia_miss	-.016829	.0046832	-3.59	0.001	-.0262309	-.0074271
ime1	4.90e-06	1.48e-06	3.32	0.002	1.93e-06	7.86e-06
ime_miss	-.012467	.0031712	-3.93	0.000	-.0188334	-.0061005
_cons	.1213193	.0244858	4.95	0.000	.072162	.1704767

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj -
imm28_adj - imm29_adj - imm30_adj = 0

ldwroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0014974	.0017656	-0.85	0.400	-.005042 .0020471

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
imm28_adj + imm29_adj + imm30_adj = .0014974

ldwroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	1.24e-17	.0017656	0.00	1.000	-.0035446 .0035446

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 51) = 1.98
Prob > F = 0.0616

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
imm28_adj + imm29_adj + imm30_adj = 0

F(1, 51) = 0.72

Prob > F = 0.4003

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 51) = 1.97
 Prob > F = 0.0777

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.1136
 Root MSE = .23683

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
imm21_adj	-1.67e-06	.0014614	-0.00	0.999	-.0029356 .0029323
imm23_adj	.0039488	.0029449	1.34	0.186	-.0019634 .009861
imm24_adj	.0005814	.00192	0.30	0.763	-.0032732 .0044359
imm25_adj	-.0005836	.001986	-0.29	0.770	-.0045707 .0034036
imm26_adj	-.000485	.0028644	-0.17	0.866	-.0062356 .0052656
imm27_adj	.0054109	.0017705	3.06	0.004	.0018566 .0089652
imm28_adj	-.000203	.0015595	-0.13	0.897	-.0033339 .0029279
imm29_adj	-.0053416	.0019376	-2.76	0.008	-.0092314 -.0014518
imm30_adj	-.0006678	.0025235	-0.26	0.792	-.0057339 .0043984
male	.0077894	.0016908	4.61	0.000	.0043951 .011838
gendermiss_flag	-.0468893	.0083598	-5.61	0.000	-.0636723 -.0301063
tsd_age	-.0021978	.0002793	-7.87	0.000	-.0027586 -.0016371
doage2	-.0003252	.0001781	-1.83	0.074	-.0006829 .0000324
doage2miss_flag	-.1407084	.0148716	-9.46	0.000	-.1705644 -.1108524
race_a	-.0010076	.004333	-0.23	0.817	-.0097064 .0076911
race_b	.0212064	.0031844	6.66	0.000	.0148134 .0275993
race_h	.0065081	.0038222	1.70	0.095	-.0011653 .0141814
race_i	.0079775	.0090873	0.88	0.384	-.010266 .026221
race_o	.0214902	.0070882	3.03	0.004	.0072599 .0357204
race_mis	.0013561	.0072727	0.19	0.853	-.0132445 .0159567
tsd_edu_hs	.0089532	.001801	4.97	0.000	.0053374 .012569
tsd_edu_mrhs	.0285705	.0025327	11.28	0.000	.0234858 .0336552
tsd_edu_mis	.0159758	.0019621	8.14	0.000	.0120367 .019915
tsd_mie_exp	.0067256	.0053593	1.25	0.215	-.0040336 .0174847
tsd_mie_mis	-.0046707	.0026872	-1.74	0.088	-.0100655 .000724
tsd_mie_psbl	-.0028579	.0019283	-1.48	0.144	-.006729 .0010132
tsd_medicare	-.0155342	.0022236	-6.99	0.000	-.0199982 -.0110702
tsd_medicare_miss	-.0502025	.0086079	-5.83	0.000	-.0674835 -.0329215
tsd_depend_1	-.0023213	.002238	-1.04	0.305	-.0068143 .0021717
tsd_depend_2	.0040282	.0029684	1.36	0.181	-.0019311 .0099875
tsd_depend_miss	-.0141907	.0059967	-2.37	0.022	-.0262297 -.0021518
tsd_vrpr	-.0178983	.00534	-3.35	0.002	-.0286188 -.0071778
tsd_vrpr_miss	-.0437231	.0073277	-5.97	0.000	-.058434 -.0290122
pdcgrou2	-.0216498	.0029857	-7.25	0.000	-.0276438 -.0156559
pdcgrou3	.0039284	.0022739	1.73	0.090	-.0006366 .0084935

pdcgrou4	-.0057315	.0021878	-2.62	0.012	-.0101236	-.0013393
pdcgrou5	-.0257197	.0117391	-2.19	0.033	-.049287	-.0021524
cohort2000	-.0046849	.0026879	-1.74	0.087	-.010081	.0007113
cohort2001	-.0072735	.0033735	-2.16	0.036	-.0140462	-.0005009
cohort2002	-.0127651	.006274	-2.03	0.047	-.0253607	-.0001696
cohort2003	-.0088646	.0085538	-1.04	0.305	-.026037	.0083079
cohort2004	.0532626	.0223352	2.38	0.021	.0084229	.0981023
award_b4_tsd	-.0001007	.0127053	-0.01	0.994	-.0256077	.0254064
diaward_tsd	-.0009672	.0002172	-4.45	0.000	-.0014033	-.0005312
epeb4twp_flag	-.2310499	.0590296	-3.91	0.000	-.3495568	-.112543
ldwb4twp_flag	.3503753	.0811745	4.32	0.000	.1874108	.5133398
ldwb4epe_flag	.4730412	.0357096	13.25	0.000	.4013513	.5447311
twpb4tsd	.2549841	.0117283	21.74	0.000	.2314387	.2785296
epeb4tsd	.0392148	.0069503	5.64	0.000	.0252615	.0531682
ldwb4tsd	-.182736	.0226651	-8.06	0.000	-.228238	-.137234
st_AL	-.0661408	.0060037	-11.02	0.000	-.0781937	-.0540878
st_AR	-.0672521	.0042634	-15.77	0.000	-.0758114	-.0586929
st_AZ	-.045079	.0061245	-7.36	0.000	-.0573745	-.0327834
st_CA	-.026295	.0033958	-7.74	0.000	-.0331124	-.0194777
st_CO	-.0504823	.0048634	-10.38	0.000	-.060246	-.0407186
st_CT	-.0097409	.0066886	-1.46	0.151	-.0231689	.0036871
st_DC	-.0272993	.0032877	-8.30	0.000	-.0338996	-.020699
st_DE	-.0951005	.0082514	-11.53	0.000	-.1116658	-.0785351
st_FL	-.0775604	.0069017	-11.24	0.000	-.0914162	-.0637047
st_GA	-.0682874	.0064857	-10.53	0.000	-.081308	-.0552668
st_HI	-.0511593	.0103779	-4.93	0.000	-.0719937	-.0303248
st_IA	-.0950219	.0072105	-13.18	0.000	-.1094977	-.0805462
st_ID	-.0575605	.0079549	-7.24	0.000	-.0735307	-.0415903
st_IL	-.0461933	.0031478	-14.67	0.000	-.0525129	-.0398738
st_IN	-.082258	.0055724	-14.76	0.000	-.093445	-.0710709
st_KS	-.0540723	.004376	-12.36	0.000	-.0628574	-.0452872
st_KY	-.0488995	.0048714	-10.04	0.000	-.0586792	-.0391199
st_LA	-.0637245	.0043329	-14.71	0.000	-.0724232	-.0550259
st_MA	-.0499928	.0057103	-8.75	0.000	-.0614566	-.038529
st_MD	-.049343	.0080005	-6.17	0.000	-.0654047	-.0332812
st_ME	-.0534635	.0072543	-7.37	0.000	-.068027	-.0388999
st_MI	-.0515091	.0020487	-25.14	0.000	-.055622	-.0473961
st_MN	-.0496695	.007622	-6.52	0.000	-.0649713	-.0343678
st_MO	-.0554608	.0047665	-11.64	0.000	-.06503	-.0458917
st_MS	-.0520644	.0029739	-17.51	0.000	-.0580347	-.0460941
st_MT	-.0732177	.0092499	-7.92	0.000	-.0917876	-.0546478
st_NC	-.0682848	.0051429	-13.28	0.000	-.0786096	-.0579599
st_ND	-.1852978	.0124712	-14.86	0.000	-.2103347	-.1602609
st_NE	-.0637912	.0090025	-7.09	0.000	-.0818645	-.045718
st_NH	-.0727457	.0099141	-7.34	0.000	-.092649	-.0528424
st_NJ	-.0610308	.0065124	-9.37	0.000	-.074105	-.0479567
st_NM	-.0475449	.0045386	-10.48	0.000	-.0566566	-.0384333
st_NV	-.08073	.007647	-10.56	0.000	-.096082	-.065378
st_NY	-.0488664	.004146	-11.79	0.000	-.0571898	-.040543
st_OH	-.0546934	.0037819	-14.46	0.000	-.0622859	-.0471009
st_OK	-.08362	.0058994	-14.17	0.000	-.0954635	-.0717765
st_OR	-.0552268	.0024323	-22.71	0.000	-.0601098	-.0503437
st_PA	-.0480981	.0051884	-9.27	0.000	-.0585143	-.0376819
st_PR	-.0505148	.009855	-5.13	0.000	-.0702996	-.0307301
st_RI	-.0417805	.0058271	-7.17	0.000	-.0534789	-.0300822
st_SC	-.0704479	.0023066	-30.54	0.000	-.0750786	-.0658172
st_SD	-.182729	.0099315	-18.40	0.000	-.2026674	-.1627906
st_TN	-.0893841	.0050125	-17.83	0.000	-.0994471	-.0793212
st_TX	-.0435481	.0039021	-11.16	0.000	-.0513819	-.0357144
st_UT	-.0539696	.0063003	-8.57	0.000	-.0666179	-.0413213
st_VA	-.0585043	.008831	-6.62	0.000	-.0762334	-.0407753
st_VT	.022058	.0082025	2.69	0.010	.0055908	.0385251
st_WA	-.0367751	.0036553	-10.06	0.000	-.0441135	-.0294368

st_WI	-.0698989	.0064203	-10.89	0.000	-.0827882	-.0570096
st_WV	-.0597718	.0054643	-10.94	0.000	-.0707418	-.0488019
st_WY	-.0625195	.008991	-6.95	0.000	-.0805697	-.0444693
tsd_unemp_mean	-.0059767	.0025043	-2.39	0.021	-.0110043	-.000949
tsd_unemp_cng	-.0011125	.0017929	-0.62	0.538	-.0047119	.002487
pial	-4.16e-06	4.96e-06	-0.84	0.406	-.0000141	5.80e-06
pia_miss	-.019085	.0068339	-2.79	0.007	-.0328045	-.0053655
ime1	5.11e-06	1.49e-06	3.43	0.001	2.12e-06	8.10e-06
ime_miss	-.0167931	.0033896	-4.95	0.000	-.0235981	-.0099882
_cons	.289714	.0333935	8.68	0.000	.2226737	.3567542

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

ldwroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0026584	.0014462	-1.84	0.072	-.0055619 .000245

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = .0026584

ldwroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-4.38e-17	.0014462	-0.00	1.000	-.0029034 .0029034

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 51) = 3.24
Prob > F = 0.0035

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 51) = 3.38
Prob > F = 0.0719

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 51) = 3.32
Prob > F = 0.0055

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH3_unemp.xls
dir : seeout

Linear regression

Number of obs = 114377
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.1244
 Root MSE = .14788

(Std. Err. adjusted for 52 clusters in tsd_state)

-----		Robust				
-----	eperoll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
-----	-----	-----	-----	-----	-----	-----
imm21_adj	-.0030773	.0018236	-1.69	0.098	-.0067382	.0005837
imm23_adj	.0004289	.0011799	0.36	0.718	-.0019399	.0027977
imm24_adj	.0009475	.0016508	0.57	0.569	-.0023666	.0042616
imm25_adj	.0012228	.0012715	0.96	0.341	-.0013299	.0037754
imm26_adj	.0011913	.0013088	0.91	0.367	-.0014363	.0038189
imm27_adj	-.0005141	.0010845	-0.47	0.637	-.0026913	.0016631
imm28_adj	.0004036	.0014917	0.27	0.788	-.0025912	.0033983
imm29_adj	-.0012854	.0015846	-0.81	0.421	-.0044666	.0018958
imm30_adj	.0001367	.0014754	0.09	0.927	-.0028253	.0030987
male	.0017275	.0010502	1.64	0.106	-.0003809	.0038358
gendermiss_flag	-.0113243	.0029506	-3.84	0.000	-.0172478	-.0054007
tsd_age	-.0002015	.0001091	-1.85	0.071	-.0004205	.0000175
doage2	-.0003444	.0001023	-3.37	0.001	-.0005498	-.000139
doage2miss_flag	-.0875014	.0071183	-12.29	0.000	-.1017919	-.0732109
race_a	.0000546	.0032676	0.02	0.987	-.0065053	.0066145
race_b	.003344	.0015975	2.09	0.041	.0001369	.006551
race_h	.0011256	.0016824	0.67	0.506	-.002252	.0045032
race_i	-.0069261	.0043053	-1.61	0.114	-.0155694	.0017172
race_o	.0105914	.0040413	2.62	0.012	.0024781	.0187047
race_mis	-.0000226	.0028601	-0.01	0.994	-.0057644	.0057193
tsd_edu_hs	.0028981	.0014542	1.99	0.052	-.0000214	.0058175
tsd_edu_mrhs	.0074394	.0016313	4.56	0.000	.0041644	.0107144
tsd_edu_mis	.0054676	.001719	3.18	0.003	.0020165	.0089186
tsd_mie_exp	.0026516	.0029987	0.88	0.381	-.0033686	.0086717
tsd_mie_mis	-.0056112	.0019993	-2.81	0.007	-.0096249	-.0015975
tsd_mie_psbl	-.0049238	.0014579	-3.38	0.001	-.0078506	-.001997
tsd_medicare	-.0100554	.0014966	-6.72	0.000	-.01306	-.0070507
tsd_medicare_miss	-.019089	.0032868	-5.81	0.000	-.0256875	-.0124906
tsd_depend_1	-.0027176	.0013695	-1.98	0.053	-.005467	.0000318
tsd_depend_2	-.0013802	.0008611	-1.60	0.115	-.0031091	.0003486
tsd_depend_miss	-.0062778	.0039116	-1.60	0.115	-.0141307	.0015751
tsd_vrpr	.0112024	.0021291	5.26	0.000	.006928	.0154768
tsd_vrpr_miss	.0006154	.0018912	0.33	0.746	-.0031814	.0044122
pdcgroup2	.0007252	.001746	0.42	0.680	-.0027801	.0042305
pdcgroup3	.0044122	.0016622	2.65	0.011	.0010751	.0077493
pdcgroup4	.0030811	.0011177	2.76	0.008	.0008372	.0053249
pdcgroup5	-.0115142	.0041748	-2.76	0.008	-.0198954	-.003133
cohort2000	-.0035382	.0015787	-2.24	0.029	-.0067075	-.0003688
cohort2001	-.0029434	.0025527	-1.15	0.254	-.0080681	.0021814
cohort2002	-.0039519	.0041656	-0.95	0.347	-.0123147	.004411
cohort2003	.0007676	.0049273	0.16	0.877	-.0091243	.0106596
cohort2004	.027792	.0084651	3.28	0.002	.0107976	.0447863
award_b4_tsd	-.0094382	.0069645	-1.36	0.181	-.0234201	.0045436
diaward_tsd	-.0004407	.000139	-3.17	0.003	-.0007198	-.0001617
epb4twp_flag	.0581402	.0361066	1.61	0.114	-.0143469	.1306273
ldwb4twp_flag	-.0055758	.0165613	-0.34	0.738	-.0388241	.0276725
ldwb4epe_flag	.0964796	.0268753	3.59	0.001	.0425252	.150434
twpb4tsd	.2068265	.0094587	21.87	0.000	.1878374	.2258157
epb4tsd	-.087691	.0108815	-8.06	0.000	-.1095365	-.0658455
ldwb4tsd	-.0465684	.0045553	-10.22	0.000	-.0557135	-.0374234
st_AL	.0158266	.0053443	2.96	0.005	.0050976	.0265557

st_AR	.0103372	.0039257	2.63	0.011	.0024559	.0182184
st_AZ	.0147584	.0052608	2.81	0.007	.0041968	.0253199
st_CA	.0221979	.0030578	7.26	0.000	.0160592	.0283366
st_CO	.0122642	.0043813	2.80	0.007	.0034684	.0210599
st_CT	.0419822	.0055207	7.60	0.000	.030899	.0530654
st_DC	.0438966	.0019368	22.67	0.000	.0400084	.0477848
st_DE	-.0012071	.0073701	-0.16	0.871	-.0160031	.013589
st_FL	.0093171	.0061575	1.51	0.136	-.0030446	.0216789
st_GA	.0062547	.0061106	1.02	0.311	-.0060129	.0185222
st_HI	.0130522	.0097183	1.34	0.185	-.0064581	.0325624
st_IA	-.0174308	.0059804	-2.91	0.005	-.0294369	-.0054247
st_ID	.0180997	.0062342	2.90	0.005	.005584	.0306153
st_IL	.0054705	.0028173	1.94	0.058	-.0001856	.0111265
st_IN	-.0048422	.0046272	-1.05	0.300	-.0141317	.0044473
st_KS	.010146	.0040688	2.49	0.016	.0019776	.0183144
st_KY	.000918	.004102	0.22	0.824	-.0073171	.0091531
st_LA	.006875	.0041285	1.67	0.102	-.0014133	.0151633
st_MA	-.0036674	.0047947	-0.76	0.448	-.0132931	.0059584
st_MD	.0260622	.0068492	3.81	0.000	.0123119	.0398124
st_ME	.023967	.0060253	3.98	0.000	.0118707	.0360634
st_MI	.0087959	.001423	6.18	0.000	.005939	.0116527
st_MN	.0249333	.00601	4.15	0.000	.0128676	.036999
st_MO	.0021374	.0040016	0.53	0.596	-.0058962	.0101709
st_MS	.0011128	.0032179	0.35	0.731	-.0053475	.0075731
st_MT	.0135215	.0074429	1.82	0.075	-.0014207	.0284637
st_NC	.0142576	.0043115	3.31	0.002	.005602	.0229133
st_ND	-.0392251	.009432	-4.16	0.000	-.0581607	-.0202895
st_NE	.0144106	.0075159	1.92	0.061	-.0006781	.0294993
st_NH	.0266138	.0076786	3.47	0.001	.0111985	.0420291
st_NJ	.0235313	.0055062	4.27	0.000	.0124771	.0345854
st_NM	-.0024175	.0045403	-0.53	0.597	-.0115325	.0066976
st_NV	.0178257	.0065651	2.72	0.009	.0046458	.0310057
st_NY	.0016023	.0037229	0.43	0.669	-.0058717	.0090763
st_OH	.0189359	.0030516	6.21	0.000	.0128094	.0250623
st_OK	.0142156	.0053905	2.64	0.011	.0033938	.0250375
st_OR	-.0152364	.0011725	-12.99	0.000	-.0175903	-.0128825
st_PA	.0206631	.0044355	4.66	0.000	.0117585	.0295678
st_PR	.013243	.0060004	2.21	0.032	.0011968	.0252893
st_RI	.03031	.0048721	6.22	0.000	.020529	.0400911
st_SC	.0055885	.0017255	3.24	0.002	.0021244	.0090526
st_SD	-.0184065	.0072591	-2.54	0.014	-.0329797	-.0038333
st_TN	.0019799	.0043976	0.45	0.654	-.0068488	.0108085
st_TX	.0191078	.0035385	5.40	0.000	.012004	.0262117
st_UT	.0206547	.0052171	3.96	0.000	.0101809	.0311284
st_VA	.0031183	.0077969	0.40	0.691	-.0125346	.0187712
st_VT	.001655	.0075724	0.22	0.828	-.0135472	.0168572
st_WA	.0227068	.0028364	8.01	0.000	.0170124	.0284012
st_WI	.0105224	.0051003	2.06	0.044	.0002831	.0207618
st_WV	.0124614	.0047639	2.62	0.012	.0028974	.0220253
st_WY	.0274318	.0075638	3.63	0.001	.0122469	.0426168
tsd_unemp_mean	-.0005726	.0020801	-0.28	0.784	-.0047485	.0036034
tsd_unemp_cng	.000635	.0010551	0.60	0.550	-.0014832	.0027531
pial	-.0000134	4.75e-06	-2.81	0.007	-.0000229	-3.81e-06
pia_miss	-.0157396	.004912	-3.20	0.002	-.0256009	-.0058784
ime1	4.47e-06	1.42e-06	3.15	0.003	1.62e-06	7.31e-06
ime_miss	-.0021377	.0021032	-1.02	0.314	-.00636	.0020846
_cons	.0376353	.0167931	2.24	0.029	.0039217	.0713489

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj -
imm28_adj - imm29_adj - imm30_adj = 0

eperoll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	.0005461	.0012647	0.43	0.668	-.0019929	.003085

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj =
-.0005461

eperoll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	2.82e-18	.0012647	0.00	1.000	-.002539	.002539

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 51) = 1.00
Prob > F = 0.4542

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 51) = 0.19
Prob > F = 0.6677

- (1) -.5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) -.5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) -.5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) -.5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) -.5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) -.5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) -.5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 51) = 1.08
Prob > F = 0.3885

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH3_unemp.xls
dir : seeout

Linear regression

Number of obs = 114377
F(50, 51) = .
Prob > F = .
R-squared = 0.1288
Root MSE = .20389

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll124	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	-.0016891	.0017878	-0.94	0.349	-.0052782	.0019
imm23_adj	.0039523	.0025161	1.57	0.122	-.001099	.0090036
imm24_adj	.0002443	.0017617	0.14	0.890	-.0032924	.003781

imm25_adj	.0015313	.0012396	1.24	0.222	-.0009572	.0040199
imm26_adj	-.0000244	.0022162	-0.01	0.991	-.0044735	.0044248
imm27_adj	.0002567	.0017866	0.14	0.886	-.0033301	.0038436
imm28_adj	-.0009706	.0016158	-0.60	0.551	-.0042143	.0022732
imm29_adj	-.0023256	.0016825	-1.38	0.173	-.0057034	.0010522
imm30_adj	-.0009838	.0018513	-0.53	0.597	-.0047003	.0027328
male	.0019247	.0016005	1.20	0.235	-.0012885	.005138
gendermiss_flag	-.0279412	.0056097	-4.98	0.000	-.0392031	-.0166794
tsd_age	-.0010345	.0001322	-7.82	0.000	-.0013	-.000769
doage2	-.0003613	.0001664	-2.17	0.035	-.0006954	-.0000272
doage2miss_flag	-.0957205	.0117397	-8.15	0.000	-.119289	-.0721521
race_a	.0045762	.0035686	1.28	0.206	-.002588	.0117405
race_b	.0108615	.0025029	4.34	0.000	.0058367	.0158863
race_h	.0011171	.0010973	1.02	0.313	-.0010859	.0033201
race_i	-.0088545	.0075355	-1.18	0.245	-.0239827	.0062736
race_o	.0102153	.0060283	1.69	0.096	-.001887	.0223176
race_mis	-.0005846	.0043981	-0.13	0.895	-.0094142	.008245
tsd_edu_hs	.0032099	.0014978	2.14	0.037	.000203	.0062168
tsd_edu_mrhs	.0154389	.001783	8.66	0.000	.0118595	.0190183
tsd_edu_mis	.0101651	.0019251	5.28	0.000	.0063003	.01403
tsd_mie_exp	.0016928	.003881	0.44	0.665	-.0060986	.0094841
tsd_mie_mis	-.0094264	.0025395	-3.71	0.001	-.0145246	-.0043282
tsd_mie_psbl	-.0072892	.0013763	-5.30	0.000	-.0100522	-.0045263
tsd_medicare	-.0151863	.0023128	-6.57	0.000	-.0198295	-.0105431
tsd_medicare_miss	-.0434988	.0047261	-9.20	0.000	-.0529868	-.0340107
tsd_depend_1	-.0036422	.0017544	-2.08	0.043	-.0071643	-.0001201
tsd_depend_2	-.0027814	.0016892	-1.65	0.106	-.0061726	.0006098
tsd_depend_miss	-.0210637	.0061217	-3.44	0.001	-.0333536	-.0087739
tsd_vrpr	.0032116	.0042791	0.75	0.456	-.0053791	.0118022
tsd_vrpr_miss	-.0253163	.004541	-5.58	0.000	-.0344327	-.0161999
pdgroup2	-.0054401	.0021283	-2.56	0.014	-.0097127	-.0011674
pdgroup3	.0032368	.00144	2.25	0.029	.000346	.0061277
pdgroup4	-.0000726	.0014765	-0.05	0.961	-.0030368	.0028917
pdgroup5	-.0026411	.0131734	-0.20	0.842	-.0290878	.0238056
cohort2000	-.0092472	.0022246	-4.16	0.000	-.0137133	-.004781
cohort2001	-.0141018	.0038741	-3.64	0.001	-.0218794	-.0063242
cohort2002	-.0172355	.0057479	-3.00	0.004	-.0287748	-.0056962
cohort2003	-.0109607	.0072262	-1.52	0.135	-.0254679	.0035464
cohort2004	.0480461	.0140389	3.42	0.001	.0198619	.0762303
award_b4_tsd	-.0129548	.0119149	-1.09	0.282	-.0368751	.0109654
diaward_tsd	-.0009778	.0002236	-4.37	0.000	-.0014267	-.000529
epeb4twp_flag	.0769699	.0501775	1.53	0.131	-.0237657	.1777055
ldwb4twp_flag	-.0120487	.023657	-0.51	0.613	-.0595421	.0354448
ldwb4epe_flag	.2542225	.0342336	7.43	0.000	.1854956	.3229494
twpb4tsd	.2731295	.0096218	28.39	0.000	.253813	.292446
epeb4tsd	-.1316675	.0133247	-9.88	0.000	-.1584179	-.1049171
ldwb4tsd	-.0757157	.0053808	-14.07	0.000	-.0865181	-.0649133
st_AL	.0440217	.0064151	6.86	0.000	.0311428	.0569006
st_AR	.0426514	.0047023	9.07	0.000	.0332111	.0520916
st_AZ	.0328473	.0064237	5.11	0.000	.0199512	.0457434
st_CA	.0560919	.0035855	15.64	0.000	.0488936	.0632902
st_CO	.0429312	.0048998	8.76	0.000	.0330945	.0527679
st_CT	.0876999	.0065055	13.48	0.000	.0746395	.1007603
st_DC	.0483541	.0029105	16.61	0.000	.042511	.0541971
st_DE	.0028403	.0088367	0.32	0.749	-.0149002	.0205808
st_FL	.024231	.0072354	3.35	0.002	.0097054	.0387567
st_GA	.0539883	.0068926	7.83	0.000	.0401509	.0678257
st_HI	.0541457	.011182	4.84	0.000	.031697	.0765945
st_IA	.0296147	.0072015	4.11	0.000	.0151571	.0440723
st_ID	.0513905	.0073516	6.99	0.000	.0366316	.0661493
st_IL	.0260149	.0033888	7.68	0.000	.0192115	.0328183
st_IN	.0347	.0055782	6.22	0.000	.0235012	.0458988
st_KS	.0434259	.0048039	9.04	0.000	.0337817	.0530701

st_KY	.0235169	.0050442	4.66	0.000	.0133903	.0336435
st_LA	.0322576	.0049741	6.49	0.000	.0222717	.0422434
st_MA	.0212903	.0059438	3.58	0.001	.0093577	.0332229
st_MD	.0612148	.0081587	7.50	0.000	.0448355	.0775942
st_ME	.0626019	.0073112	8.56	0.000	.047924	.0772798
st_MI	.0316634	.0019707	16.07	0.000	.0277071	.0356196
st_MN	.0689005	.0072595	9.49	0.000	.0543264	.0834746
st_MO	.0246464	.004598	5.36	0.000	.0154156	.0338772
st_MS	.0166246	.0035162	4.73	0.000	.0095655	.0236837
st_MT	.0119917	.0090341	1.33	0.190	-.0061451	.0301285
st_NC	.0402206	.0051917	7.75	0.000	.0297979	.0506434
st_ND	-.0422214	.0113408	-3.72	0.000	-.0649891	-.0194538
st_NE	.0480747	.0089682	5.36	0.000	.0300702	.0660791
st_NH	.0295086	.0092052	3.21	0.002	.0110284	.0479889
st_NJ	.041207	.0065869	6.26	0.000	.0279832	.0544308
st_NM	.0752727	.005113	14.72	0.000	.065008	.0855374
st_NV	.0273244	.0079413	3.44	0.001	.0113815	.0432674
st_NY	.0316178	.0045952	6.88	0.000	.0223927	.040843
st_OH	.0501362	.0037154	13.49	0.000	.0426773	.0575951
st_OK	.0394827	.0064628	6.11	0.000	.026508	.0524574
st_OR	.0066902	.0019478	3.43	0.001	.0027798	.0106005
st_PA	.0528295	.0053757	9.83	0.000	.0420373	.0636217
st_PR	.0319198	.0080741	3.95	0.000	.0157103	.0481293
st_RI	.0760307	.0056236	13.52	0.000	.0647408	.0873206
st_SC	.0231277	.0024587	9.41	0.000	.0181917	.0280637
st_SD	-.0274756	.0105372	-2.61	0.012	-.0486299	-.0063214
st_TN	.0333102	.0053872	6.18	0.000	.0224949	.0441255
st_TX	.050173	.0041374	12.13	0.000	.0418669	.0584791
st_UT	.051035	.0062245	8.20	0.000	.0385387	.0635313
st_VA	.0238918	.0094018	2.54	0.014	.005017	.0427666
st_VT	.0126951	.0093566	1.36	0.181	-.006089	.0314792
st_WA	.0578158	.0036704	15.75	0.000	.0504471	.0651844
st_WI	.0635869	.0061295	10.37	0.000	.0512814	.0758924
st_WV	.0476693	.0058984	8.08	0.000	.0358279	.0595108
st_WY	.0568582	.0088692	6.41	0.000	.0390526	.0746638
tsd_unemp_mean	-.0000565	.0025217	-0.02	0.982	-.0051191	.0050061
tsd_unemp_cng	.0007165	.00124	0.58	0.566	-.0017728	.0032059
pia1	-3.98e-06	5.85e-06	-0.68	0.499	-.0000157	7.76e-06
pia_miss	-.0030279	.0067215	-0.45	0.654	-.016522	.0104661
ime1	3.48e-06	1.74e-06	2.01	0.050	-2.61e-09	6.97e-06
ime_miss	-.0147486	.0031345	-4.71	0.000	-.0210413	-.0084559
_cons	.1016875	.0215258	4.72	0.000	.0584726	.1449023

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj -
imm28_adj - imm29_adj - imm30_adj = 0

eperoll124	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	8.77e-06	.0017461	0.01	0.996	-.0034968 .0035143

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
imm28_adj + imm29_adj + imm30_adj =
-8.77e-06

eperoll124	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-2.46e-18	.0017461	-0.00	1.000	-.0035055 .0035055

(1) imm21_adj = 0
 (2) imm23_adj = 0
 (3) imm24_adj = 0
 (4) imm25_adj = 0
 (5) imm26_adj = 0
 (6) imm27_adj = 0
 (7) imm28_adj = 0
 (8) imm29_adj = 0
 (9) imm30_adj = 0

F(9, 51) = 2.40
 Prob > F = 0.0234

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
 imm28_adj + imm29_adj + imm30_adj = 0

F(1, 51) = 0.00
 Prob > F = 0.9960

(1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
 (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
 (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
 (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
 (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
 (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
 (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 51) = 2.20
 Prob > F = 0.0496

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.1280
 Root MSE = .23783

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
imm21_adj	.0002576	.0017549	0.15	0.884	-.0032655 .0037806
imm23_adj	.0045707	.002954	1.55	0.128	-.0013597 .0105012
imm24_adj	.0008005	.0018908	0.42	0.674	-.0029955 .0045964
imm25_adj	.001131	.001989	0.57	0.572	-.002862 .005124
imm26_adj	.0002437	.0026792	0.09	0.928	-.0051349 .0056224
imm27_adj	.0021403	.0014603	1.47	0.149	-.0007915 .005072
imm28_adj	-.0012817	.0017471	-0.73	0.467	-.0047891 .0022257
imm29_adj	-.0052745	.0018928	-2.79	0.007	-.0090744 -.0014746
imm30_adj	-.0008247	.0024152	-0.34	0.734	-.0056735 .0040241
male	.002577	.0022872	1.13	0.265	-.0020146 .0071687
gendermiss_flag	-.0430904	.0070064	-6.15	0.000	-.0571564 -.0290244
tsd_age	-.0019354	.0001702	-11.37	0.000	-.0022771 -.0015937
doage2	-.0003522	.0001953	-1.80	0.077	-.0007442 .0000398
doage2miss_flag	-.0905627	.0133407	-6.79	0.000	-.1173453 -.06378
race_a	.0030231	.0061538	0.49	0.625	-.0093313 .0153775
race_b	.015887	.0027446	5.79	0.000	.0103769 .021397
race_h	-.0002452	.0010228	-0.24	0.811	-.0022986 .0018081
race_i	.0039686	.0089172	0.45	0.658	-.0139334 .0218706

race_o	.0068784	.0065446	1.05	0.298	-.0062605	.0200173
race_mis	-.0032392	.0060208	-0.54	0.593	-.0153265	.008848
tsd_edu_hs	.0065781	.001663	3.96	0.000	.0032395	.0099167
tsd_edu_mrhs	.0222873	.0020597	10.82	0.000	.0181523	.0264224
tsd_edu_mis	.0133322	.0024894	5.36	0.000	.0083345	.0183298
tsd_mie_exp	.0034125	.0051448	0.66	0.510	-.006916	.0137411
tsd_mie_mis	-.0092037	.0034756	-2.65	0.011	-.0161812	-.0022262
tsd_mie_psbl	-.0080227	.0020495	-3.91	0.000	-.0121373	-.0039082
tsd_medicare	-.0206847	.0025005	-8.27	0.000	-.0257047	-.0156647
tsd_medicare_miss	-.0560094	.0068375	-8.19	0.000	-.0697361	-.0422826
tsd_depend_1	-.0038444	.0020105	-1.91	0.061	-.0078805	.0001918
tsd_depend_2	-.0020114	.0019057	-1.06	0.296	-.0058373	.0018144
tsd_depend_miss	-.0271828	.006806	-3.99	0.000	-.0408465	-.0135192
tsd_vrpr	-.0172949	.0064474	-2.68	0.010	-.0302385	-.0043512
tsd_vrpr_miss	-.0597016	.0070835	-8.43	0.000	-.0739223	-.045481
pdcgrou2	-.0126382	.0029572	-4.27	0.000	-.0185751	-.0067014
pdcgrou3	.0005963	.0022466	0.27	0.792	-.0039139	.0051065
pdcgrou4	-.0050558	.0022488	-2.25	0.029	-.0095704	-.0005412
pdcgrou5	-.0107081	.0128893	-0.83	0.410	-.0365844	.0151682
cohort2000	-.0154943	.0031777	-4.88	0.000	-.0218737	-.0091149
cohort2001	-.0215798	.0043631	-4.95	0.000	-.0303391	-.0128205
cohort2002	-.0276988	.0069092	-4.01	0.000	-.0415696	-.013828
cohort2003	-.0225448	.0079041	-2.85	0.006	-.0384129	-.0066767
cohort2004	.0660622	.0172418	3.83	0.000	.0314478	.1006765
award_b4_tsd	-.0056612	.0133258	-0.42	0.673	-.032414	.0210915
diaward_tsd	-.0012142	.000252	-4.82	0.000	-.0017201	-.0007082
epeb4twp_flag	.0895027	.0579031	1.55	0.128	-.0267427	.205748
ldwb4twp_flag	-.021174	.0283586	-0.75	0.459	-.0781062	.0357582
ldwb4epe_flag	.3735248	.0319031	11.71	0.000	.3094768	.4375728
twpb4tsd	.2988495	.0089426	33.42	0.000	.2808965	.3168025
epeb4tsd	-.1639047	.0128309	-12.77	0.000	-.1896638	-.1381455
ldwb4tsd	-.0917953	.005703	-16.10	0.000	-.1032445	-.0803461
st_AL	.0610183	.0072109	8.46	0.000	.0465418	.0754948
st_AR	.0923071	.0056755	16.26	0.000	.0809132	.1037011
st_AZ	.0502918	.0073514	6.84	0.000	.0355333	.0650503
st_CA	.0868189	.0036664	23.68	0.000	.0794582	.0941795
st_CO	.0989984	.0057047	17.35	0.000	.0875457	.1104512
st_CT	.1151156	.0073583	15.64	0.000	.1003433	.1298879
st_DC	.0604707	.003329	18.16	0.000	.0537875	.0671539
st_DE	-.0062596	.0103062	-0.61	0.546	-.0269502	.0144309
st_FL	.0394415	.0082728	4.77	0.000	.0228331	.0560499
st_GA	.0585634	.0079274	7.39	0.000	.0426484	.0744783
st_HI	.0701299	.0119618	5.86	0.000	.0461156	.0941442
st_IA	.0966779	.0082715	11.69	0.000	.0800722	.1132836
st_ID	.0705694	.008029	8.79	0.000	.0544506	.0866882
st_IL	.0857912	.0042856	20.02	0.000	.0771875	.0943949
st_IN	.0468542	.0066953	7.00	0.000	.0334128	.0602956
st_KS	.0958297	.0054753	17.50	0.000	.0848376	.1068218
st_KY	.0509895	.0058814	8.67	0.000	.0391822	.0627969
st_LA	.0841411	.0056267	14.95	0.000	.072845	.0954372
st_MA	.069796	.007015	9.95	0.000	.0557127	.0838793
st_MD	.0800672	.0091085	8.79	0.000	.0617811	.0983534
st_ME	.0863423	.0082362	10.48	0.000	.0698074	.1028771
st_MI	.0643028	.0022956	28.01	0.000	.0596942	.0689115
st_MN	.0912726	.0082473	11.07	0.000	.0747155	.1078298
st_MO	.0583572	.0054103	10.79	0.000	.0474956	.0692189
st_MS	.0484885	.0044928	10.79	0.000	.0394687	.0575083
st_MT	.0007813	.010412	0.08	0.940	-.0201216	.0216842
st_NC	.0617159	.0056801	10.87	0.000	.0503126	.0731191
st_ND	-.0519647	.0125215	-4.15	0.000	-.0771027	-.0268266
st_NE	.0642091	.0101041	6.35	0.000	.0439244	.0844939
st_NH	.0827942	.0106692	7.76	0.000	.0613748	.1042136
st_NJ	.073973	.0074673	9.91	0.000	.0589817	.0889642

st_NM	.1139866	.0060379	18.88	0.000	.1018649	.1261082
st_NV	.0267282	.0087879	3.04	0.004	.0090857	.0443707
st_NY	.0706629	.0051219	13.80	0.000	.0603803	.0809456
st_OH	.0728282	.0041768	17.44	0.000	.0644429	.0812136
st_OK	.0568897	.007427	7.66	0.000	.0419794	.0717999
st_OR	.0640132	.0022719	28.18	0.000	.0594521	.0685743
st_PA	.075186	.0059753	12.58	0.000	.0631901	.0871819
st_PR	.0689974	.0097321	7.09	0.000	.0494594	.0885354
st_RI	.1020929	.005857	17.43	0.000	.0903345	.1138512
st_SC	.049157	.0030289	16.23	0.000	.0430762	.0552379
st_SD	-.0468652	.0114447	-4.09	0.000	-.0698414	-.0238889
st_TN	.0402683	.0063828	6.31	0.000	.0274542	.0530823
st_TX	.0737401	.0045343	16.26	0.000	.0646372	.0828431
st_UT	.0718878	.0068389	10.51	0.000	.058158	.0856175
st_VA	.0454476	.0105453	4.31	0.000	.0242771	.0666181
st_VT	.0536526	.0107344	5.00	0.000	.0321024	.0752028
st_WA	.0864544	.0038995	22.17	0.000	.0786259	.094283
st_WI	.0929175	.0070741	13.13	0.000	.0787157	.1071192
st_WV	.067219	.0063855	10.53	0.000	.0543997	.0800384
st_WY	.0637131	.0100566	6.34	0.000	.0435237	.0839025
tsd_unemp_mean	-.0043178	.002785	-1.55	0.127	-.0099088	.0012732
tsd_unemp_cng	.0002463	.0013328	0.18	0.854	-.0024295	.002922
pial	3.42e-06	8.12e-06	0.42	0.676	-.0000129	.0000197
pia_miss	.0045601	.0091297	0.50	0.620	-.0137685	.0228888
ime1	1.41e-06	1.78e-06	0.79	0.432	-2.16e-06	4.98e-06
ime_miss	-.0284483	.0038195	-7.45	0.000	-.0361163	-.0207804
_cons	.2002944	.0283273	7.07	0.000	.143425	.2571638

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

eperoll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0017629	.0020079	-0.88	0.384	-.0057939 .0022681

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = .0017629

eperoll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-4.66e-17	.0020079	-0.00	1.000	-.004031 .004031

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 51) = 4.40
 Prob > F = 0.0003

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 51) = 0.77
 Prob > F = 0.3841

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 51) = 3.05
 Prob > F = 0.0094

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L

PM_PH3_unemp.xls

dir : seeout

Linear regression

Number of obs = 114377
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.1235
 Root MSE = .25755

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll148	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	.0008686	.0019482	0.45	0.658	-.0030426	.0047798
imm23_adj	.0053099	.0035213	1.51	0.138	-.0017593	.0123791
imm24_adj	.0008239	.0026106	0.32	0.754	-.0044171	.0060648
imm25_adj	.0003897	.0025387	0.15	0.879	-.004707	.0054863
imm26_adj	-.0014574	.002549	-0.57	0.570	-.0065746	.0036599
imm27_adj	.0015819	.0016667	0.95	0.347	-.0017641	.0049279
imm28_adj	-.0003969	.0018608	-0.21	0.832	-.0041325	.0033388
imm29_adj	-.0039413	.0018852	-2.09	0.042	-.007726	-.0001565
imm30_adj	-.0007617	.0027364	-0.28	0.782	-.0062552	.0047319
male	.0024829	.0021412	1.16	0.252	-.0018158	.0067816
gendermiss_flag	-.0541889	.0086387	-6.27	0.000	-.0715317	-.036846
tsd_age	-.0024416	.00022	-11.10	0.000	-.0028833	-.002
doage2	-.0003147	.0002305	-1.37	0.178	-.0007775	.000148
doage2miss_flag	-.0720014	.0143747	-5.01	0.000	-.1008598	-.043143
race_a	.0006969	.0084227	0.08	0.934	-.0162123	.0176061
race_b	.0165694	.0029413	5.63	0.000	.0106646	.0224743
race_h	-.0005267	.0015624	-0.34	0.737	-.0036633	.0026099
race_i	.0059639	.0119075	0.50	0.619	-.0179413	.0298692
race_o	.0057884	.005631	1.03	0.309	-.0055163	.0170931
race_mis	-.0082952	.0063011	-1.32	0.194	-.0209453	.0043549
tsd_edu_hs	.0072909	.0018505	3.94	0.000	.0035758	.011006
tsd_edu_mrhs	.0274312	.00195	14.07	0.000	.0235165	.031346
tsd_edu_mis	.0142586	.0027257	5.23	0.000	.0087865	.0197307
tsd_mie_exp	.0045812	.0057127	0.80	0.426	-.0068875	.0160499
tsd_mie_mis	-.0098057	.0033252	-2.95	0.005	-.0164813	-.0031301
tsd_mie_psbl	-.006974	.0017946	-3.89	0.000	-.0105769	-.0033711
tsd_medicare	-.0224175	.0024891	-9.01	0.000	-.0274147	-.0174204
tsd_medicare_miss	-.0678354	.008269	-8.20	0.000	-.0844362	-.0512347
tsd_depend_1	-.0040175	.0021655	-1.86	0.069	-.0083649	.0003298
tsd_depend_2	-.0006626	.0019032	-0.35	0.729	-.0044835	.0031583
tsd_depend_miss	-.0259112	.0069877	-3.71	0.001	-.0399395	-.0118829
tsd_vrpr	-.0329775	.0073386	-4.49	0.000	-.0477102	-.0182447
tsd_vrpr_miss	-.0848051	.0080404	-10.55	0.000	-.1009469	-.0686634
pdcgrou2	-.0163857	.0032564	-5.03	0.000	-.0229232	-.0098482

pdcgrou3	-.0022644	.0022557	-1.00	0.320	-.0067929	.0022642
pdcgrou4	-.0080056	.002635	-3.04	0.004	-.0132956	-.0027155
pdcgrou5	-.0209211	.01291	-1.62	0.111	-.046839	.0049968
cohort2000	-.0165684	.0038226	-4.33	0.000	-.0242426	-.0088941
cohort2001	-.0243539	.0057766	-4.22	0.000	-.0359509	-.012757
cohort2002	-.0312489	.0087417	-3.57	0.001	-.0487986	-.0136993
cohort2003	-.0274655	.0097047	-2.83	0.007	-.0469486	-.0079824
cohort2004	.0638668	.0213873	2.99	0.004	.0209299	.1068037
award_b4_tsd	.0032571	.0166888	0.20	0.846	-.030247	.0367613
diaward_tsd	-.001388	.0002927	-4.74	0.000	-.0019756	-.0008003
epeb4twp_flag	.0930444	.0600842	1.55	0.128	-.0275797	.2136684
ldwb4twp_flag	-.0276687	.0298395	-0.93	0.358	-.0875741	.0322367
ldwb4epe_flag	.4731003	.0326899	14.47	0.000	.4074725	.5387281
twpb4tsd	.3010603	.008675	34.70	0.000	.2836445	.3184761
epeb4tsd	-.1785094	.0128285	-13.92	0.000	-.2042637	-.152755
ldwb4tsd	-.0997886	.005908	-16.89	0.000	-.1116495	-.0879277
st_AL	-.0327812	.0089725	-3.65	0.001	-.0507942	-.0147682
st_AR	-.001476	.006621	-0.22	0.824	-.0147681	.0118162
st_AZ	-.0364475	.0086914	-4.19	0.000	-.0538962	-.0189987
st_CA	-.0026715	.0044761	-0.60	0.553	-.0116576	.0063146
st_CO	-.0063851	.0067461	-0.95	0.348	-.0199283	.0071582
st_CT	.0384797	.0088077	4.37	0.000	.0207976	.0561619
st_DC	.0084001	.0032988	2.55	0.014	.0017774	.0150227
st_DE	-.0832318	.0123363	-6.75	0.000	-.107998	-.0584656
st_FL	-.0361634	.0097874	-3.69	0.001	-.0558125	-.0165143
st_GA	-.0211514	.0095651	-2.21	0.032	-.0403541	-.0019487
st_HI	-.0173903	.0144373	-1.20	0.234	-.0463745	.0115938
st_IA	.0071402	.0099803	0.72	0.478	-.0128959	.0271764
st_ID	-.0195467	.0097441	-2.01	0.050	-.0391087	.0000153
st_IL	.0054856	.0048323	1.14	0.262	-.0042156	.0151869
st_IN	-.0517253	.0079335	-6.52	0.000	-.0676525	-.035798
st_KS	.0279114	.0067708	4.12	0.000	.0143185	.0415042
st_KY	-.0443894	.006927	-6.41	0.000	-.0582958	-.0304829
st_LA	-.0031547	.0069215	-0.46	0.650	-.0170501	.0107408
st_MA	-.0129329	.0082727	-1.56	0.124	-.0295411	.0036752
st_MD	-.0131712	.0112532	-1.17	0.247	-.0357629	.0094205
st_ME	-.0040261	.0100693	-0.40	0.691	-.024241	.0161888
st_MI	-.0185165	.0025693	-7.21	0.000	-.0236745	-.0133585
st_MN	-.0009535	.00997	-0.10	0.924	-.020969	.019062
st_MO	-.0259747	.0064711	-4.01	0.000	-.038966	-.0129834
st_MS	-.0441789	.0053228	-8.30	0.000	-.0548647	-.033493
st_MT	-.1044249	.0121462	-8.60	0.000	-.1288095	-.0800403
st_NC	-.0341534	.0071282	-4.79	0.000	-.0484639	-.019843
st_ND	-.153827	.0152766	-10.07	0.000	-.184496	-.123158
st_NE	-.0201543	.0123244	-1.64	0.108	-.0448965	.004588
st_NH	.024749	.0126239	1.96	0.055	-.0005946	.0500926
st_NJ	-.0069984	.0089724	-0.78	0.439	-.0250113	.0110144
st_NM	.0458078	.0066175	6.92	0.000	.0325227	.059093
st_NV	-.0399721	.0106577	-3.75	0.000	-.0613685	-.0185758
st_NY	-.0029475	.0060501	-0.49	0.628	-.0150935	.0091985
st_OH	-.0209316	.0052837	-3.96	0.000	-.0315391	-.0103241
st_OK	-.0291059	.0088087	-3.30	0.002	-.0467902	-.0114217
st_OR	.0051658	.0021578	2.39	0.020	.0008338	.0094978
st_PA	-.0132329	.0074274	-1.78	0.081	-.028144	.0016781
st_PR	-.0356108	.0111899	-3.18	0.002	-.0580755	-.013146
st_RI	.0132337	.0072693	1.82	0.075	-.0013599	.0278274
st_SC	-.0488076	.0034156	-14.29	0.000	-.0556647	-.0419505
st_SD	-.1617839	.013324	-12.14	0.000	-.1885331	-.1350348
st_TN	-.0552453	.0075877	-7.28	0.000	-.0704782	-.0400124
st_TX	-.0179743	.0056062	-3.21	0.002	-.0292292	-.0067194
st_UT	-.0184451	.0085331	-2.16	0.035	-.035576	-.0013142
st_VA	-.0303749	.012901	-2.35	0.022	-.0562747	-.004475
st_VT	.0414599	.0125653	3.30	0.002	.016234	.0666858

st_WA	-.0068477	.0048005	-1.43	0.160	-.0164852	.0027898
st_WI	.0071347	.0085025	0.84	0.405	-.0099347	.0242041
st_WV	-.0235822	.0080297	-2.94	0.005	-.0397026	-.0074618
st_WY	-.0097605	.0122335	-0.80	0.429	-.0343203	.0147992
tsd_unemp_mean	-.0029331	.0033144	-0.88	0.380	-.0095871	.0037209
tsd_unemp_cng	.0007674	.0014263	0.54	0.593	-.002096	.0036309
pial	.000012	.0000112	1.06	0.292	-.0000106	.0000345
pia_miss	.0056276	.0097343	0.58	0.566	-.0139147	.02517
ime1	-3.72e-07	2.38e-06	-0.16	0.877	-5.16e-06	4.41e-06
ime_miss	-.033405	.0042599	-7.84	0.000	-.0419571	-.024853
_cons	.3418426	.0314241	10.88	0.000	.2787561	.4049291

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

eperoll148	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0024168	.0024352	-0.99	0.326	-.0073057 .0024721

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = .0024168

eperoll148	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-1.04e-17	.0024352	-0.00	1.000	-.0048889 .0048889

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 51) = 1.73
 Prob > F = 0.1063

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 51) = 0.98
 Prob > F = 0.3257

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 51) = 1.57
 Prob > F = 0.1658

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_unemp.xls

dir : seeout

Linear regression

Number of obs = 114377
F(50, 51) = .
Prob > F = .
R-squared = 0.0186
Root MSE = .1792

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
imm21_adj	-.0005949	.0018121	-0.33	0.744	-.0042329 .003043
imm23_adj	-.0009958	.0012179	-0.82	0.417	-.0034409 .0014493
imm24_adj	-.0001502	.0013112	-0.11	0.909	-.0027825 .002482
imm25_adj	-.0007626	.0010531	-0.72	0.472	-.0028767 .0013516
imm26_adj	-.0011279	.0015233	-0.74	0.462	-.0041859 .0019302
imm27_adj	.0036519	.0016023	2.28	0.027	.0004351 .0068687
imm28_adj	-.0004165	.0017532	-0.24	0.813	-.0039361 .0031032
imm29_adj	-.0000764	.0012325	-0.06	0.951	-.0025508 .002398
imm30_adj	.0000516	.0013611	0.04	0.970	-.002681 .0027842
male	.0022344	.0012912	1.73	0.090	-.0003577 .0048266
gendermiss_flag	-.0290917	.0052628	-5.53	0.000	-.0396572 -.0185261
tsd_age	-.0014114	.0001889	-7.47	0.000	-.0017907 -.0010322
doage2	.0001774	.0001604	1.11	0.274	-.0001446 .0004993
doage2miss_flag	.0282183	.0052767	5.35	0.000	.0176249 .0388116
race_a	-.0000985	.0033614	-0.03	0.977	-.0068468 .0066499
race_b	.0068575	.0014949	4.59	0.000	.0038563 .0098586
race_h	.000546	.0009361	0.58	0.562	-.0013333 .0024252
race_i	-.0055302	.006553	-0.84	0.403	-.0186859 .0076255
race_o	.0102886	.0077212	1.33	0.189	-.0052123 .0257895
race_mis	-.0061292	.0045955	-1.33	0.188	-.0153551 .0030967
tsd_edu_hs	.0025169	.0011235	2.24	0.029	.0002614 .0047725
tsd_edu_mrhs	.0111358	.0017097	6.51	0.000	.0077034 .0145682
tsd_edu_mis	.0038034	.0019534	1.95	0.057	-.0001182 .007725
tsd_mie_exp	.0175317	.0040103	4.37	0.000	.0094806 .0255828
tsd_mie_mis	-.0010561	.0012639	-0.84	0.407	-.0035933 .0014812
tsd_mie_psbl	.004559	.000943	4.83	0.000	.0026659 .0064521
tsd_medicare	-.0127464	.0022958	-5.55	0.000	-.0173554 -.0081373
tsd_medicare_miss	-.0240534	.0060825	-3.95	0.000	-.0362646 -.0118422
tsd_depend_1	-.0022911	.0017888	-1.28	0.206	-.0058822 .0013001
tsd_depend_2	-.0003492	.0017089	-0.20	0.839	-.0037799 .0030815
tsd_depend_miss	-.0179042	.004723	-3.79	0.000	-.027386 -.0084224
tsd_vrpr	-.018773	.0054649	-3.44	0.001	-.0297442 -.0078019
tsd_vrpr_miss	-.0443058	.0047874	-9.25	0.000	-.0539169 -.0346948
pdcgrou2	-.0111386	.0026926	-4.14	0.000	-.0165442 -.005733
pdcgrou3	-.007672	.0022943	-3.34	0.002	-.012278 -.0030661
pdcgrou4	-.0073979	.0021657	-3.42	0.001	-.0117457 -.0030501
pdcgrou5	.0112531	.0114531	0.98	0.330	-.01174 .0342462
cohort2000	-.0045031	.001977	-2.28	0.027	-.0084721 -.0005342
cohort2001	-.0058972	.0026933	-2.19	0.033	-.0113041 -.0004902
cohort2002	-.004478	.0037287	-1.20	0.235	-.0119637 .0030077
cohort2003	-.0057694	.0041452	-1.39	0.170	-.0140912 .0025524
cohort2004	.0215449	.0139954	1.54	0.130	-.006552 .0496419
award_b4_tsd	-.0086763	.009116	-0.95	0.346	-.0269774 .0096248
diaward_tsd	-.0003804	.0001021	-3.73	0.000	-.0005853 -.0001754
epeb4twp_flag	-.0087198	.1282446	-0.07	0.946	-.2661817 .248742
ldwb4twp_flag	.1923884	.0737435	2.61	0.012	.0443422 .3404347
ldwb4epe_flag	.105281	.0415744	2.53	0.014	.021817 .188745
twpb4tsd	-.0119583	.0083247	-1.44	0.157	-.0286709 .0047543
epeb4tsd	-.023079	.0023579	-9.79	0.000	-.0278126 -.0183453
ldwb4tsd	-.0165093	.0027072	-6.10	0.000	-.0219443 -.0110743

st_AL	.0449422	.0062548	7.19	0.000	.0323851	.0574992
st_AR	.0247481	.0051283	4.83	0.000	.0144526	.0350436
st_AZ	.066488	.0063544	10.46	0.000	.0537309	.0792451
st_CA	.0524538	.0036109	14.53	0.000	.0452046	.059703
st_CO	.0416826	.0050659	8.23	0.000	.0315125	.0518527
st_CT	.0902378	.0069854	12.92	0.000	.076214	.1042616
st_DC	.0623687	.0024	25.99	0.000	.0575504	.0671869
st_DE	.038711	.0089513	4.32	0.000	.0207406	.0566815
st_FL	.0293369	.0073284	4.00	0.000	.0146246	.0440492
st_GA	.0292951	.0074336	3.94	0.000	.0143716	.0442186
st_HI	.0598239	.0105591	5.67	0.000	.0386257	.0810222
st_IA	.0720853	.0072957	9.88	0.000	.0574386	.0867321
st_ID	.0567716	.0073684	7.70	0.000	.0419789	.0715643
st_IL	.0279953	.003341	8.38	0.000	.021288	.0347027
st_IN	.0581593	.0056955	10.21	0.000	.0467251	.0695935
st_KS	.0637432	.0052118	12.23	0.000	.0532801	.0742063
st_KY	.0367395	.0048095	7.64	0.000	.0270841	.0463949
st_LA	.0573689	.0053439	10.74	0.000	.0466406	.0680973
st_MA	.0474369	.005713	8.30	0.000	.0359675	.0589063
st_MD	.0551085	.0082382	6.69	0.000	.0385696	.0716474
st_ME	.0554838	.0073055	7.59	0.000	.0408174	.0701502
st_MI	.0481449	.0021655	22.23	0.000	.0437974	.0524925
st_MN	.0546275	.0071217	7.67	0.000	.0403301	.0689249
st_MO	.0517502	.0050084	10.33	0.000	.0416955	.0618049
st_MS	.0289597	.0036026	8.04	0.000	.0217272	.0361922
st_MT	.1041774	.008834	11.79	0.000	.0864425	.1219123
st_NC	.0437753	.0051329	8.53	0.000	.0334706	.0540799
st_ND	.0194831	.0112779	1.73	0.090	-.0031582	.0421244
st_NE	.0525868	.0091603	5.74	0.000	.0341968	.0709768
st_NH	.0285206	.0091497	3.12	0.003	.0101518	.0468894
st_NJ	.0543134	.0065672	8.27	0.000	.0411292	.0674976
st_NM	.0501875	.0046098	10.89	0.000	.040933	.0594421
st_NV	.0189544	.0079858	2.37	0.021	.0029223	.0349866
st_NY	.0455016	.0045436	10.01	0.000	.03638	.0546232
st_OH	.044649	.0038075	11.73	0.000	.037005	.0522929
st_OK	.0319298	.0062881	5.08	0.000	.0193059	.0445538
st_OR	.0565746	.001955	28.94	0.000	.0526498	.0604994
st_PA	.0483541	.0054185	8.92	0.000	.037476	.0592322
st_PR	.0183042	.007439	2.46	0.017	.0033698	.0332387
st_RI	.060903	.0061563	9.89	0.000	.0485436	.0732624
st_SC	.0183086	.0023152	7.91	0.000	.0136607	.0229566
st_SD	.0003041	.0115044	0.03	0.979	-.022792	.0234002
st_TN	.0281567	.0053741	5.24	0.000	.0173677	.0389457
st_TX	.0457868	.0039883	11.48	0.000	.03778	.0537937
st_UT	.0486137	.0063219	7.69	0.000	.035922	.0613054
st_VA	.0464918	.0098351	4.73	0.000	.0267471	.0662366
st_VT	.0172787	.0094334	1.83	0.073	-.0016596	.036217
st_WA	.0534805	.003395	15.75	0.000	.0466646	.0602963
st_WI	.0572911	.0062788	9.12	0.000	.0446859	.0698963
st_WV	.0451372	.0059201	7.62	0.000	.0332521	.0570222
st_WY	.0593824	.009093	6.53	0.000	.0411274	.0776375
tsd_unemp_mean	.0023528	.0024738	0.95	0.346	-.0026137	.0073192
tsd_unemp_cng	.0002377	.0013362	0.18	0.860	-.0024449	.0029203
pia1	.0000112	4.82e-06	2.33	0.024	1.55e-06	.0000209
pia_miss	.0178973	.0053687	3.33	0.002	.0071191	.0286754
ime1	-2.97e-06	1.52e-06	-1.95	0.056	-6.03e-06	8.40e-08
ime_miss	-.0200144	.0027192	-7.36	0.000	-.0254733	-.0145554
_cons	.0785805	.0185411	4.24	0.000	.0413577	.1158033

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj -
imm28_adj - imm29_adj - imm30_adj = 0

twproll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	.0004208	.0020507	0.21	0.838	-.0036962	.0045377

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj =
-.0004208

twproll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	1.73e-18	.0020507	0.00	1.000	-.0041169	.0041169

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 51) = 0.87
Prob > F = 0.5539

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 51) = 0.04
Prob > F = 0.8382

- (1) -.5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) -.5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) -.5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) -.5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) -.5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) -.5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) -.5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 51) = 1.05
Prob > F = 0.4116

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH3_unemp.xls
dir : seeout

Linear regression

Number of obs = 114377
F(50, 51) = .
Prob > F = .
R-squared = 0.0329
Root MSE = .23331

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	.0023953	.0018117	1.32	0.192	-.0012418	.0060325
imm23_adj	.0012822	.0019682	0.65	0.518	-.002669	.0052335

imm24_adj	-.0027138	.0022749	-1.19	0.238	-.0072809	.0018533
imm25_adj	-.0029036	.0017302	-1.68	0.099	-.0063771	.00057
imm26_adj	-.0016627	.0018615	-0.89	0.376	-.0053999	.0020744
imm27_adj	.0039844	.0024695	1.61	0.113	-.0009732	.0089421
imm28_adj	-.0005508	.001951	-0.28	0.779	-.0044676	.003366
imm29_adj	.0004982	.0014034	0.35	0.724	-.0023193	.0033156
imm30_adj	.0004573	.0018496	0.25	0.806	-.0032559	.0041705
male	.0008315	.0014671	0.57	0.573	-.0021138	.0037769
gendermiss_flag	-.0522564	.008044	-6.50	0.000	-.0684054	-.0361075
tsd_age	-.0025418	.0002276	-11.17	0.000	-.0029988	-.0020849
doage2	.000346	.0002268	1.53	0.133	-.0001093	.0008013
doage2miss_flag	.063103	.0068954	9.15	0.000	.0492599	.0769461
race_a	-.0030174	.0059333	-0.51	0.613	-.014929	.0088943
race_b	.0119332	.0018602	6.41	0.000	.0081986	.0156677
race_h	.0003613	.0016974	0.21	0.832	-.0030463	.0037689
race_i	.0038361	.0077965	0.49	0.625	-.011816	.0194881
race_o	.0143334	.009042	1.59	0.119	-.0038191	.032486
race_miss	-.0082056	.006691	-1.23	0.226	-.0216383	.005227
tsd_edu_hs	.006526	.0019386	3.37	0.001	.0026341	.0104179
tsd_edu_mrhs	.018946	.0024499	7.73	0.000	.0140276	.0238645
tsd_edu_mis	.005932	.0024588	2.41	0.019	.0009958	.0108682
tsd_mie_exp	.0214096	.0050713	4.22	0.000	.0112284	.0315907
tsd_mie_mis	-.0030318	.0020042	-1.51	0.137	-.0070554	.0009919
tsd_mie_psbl	.0063184	.0018256	3.46	0.001	.0026534	.0099834
tsd_medicare	-.0199283	.0018721	-10.65	0.000	-.0236866	-.01617
tsd_medicare_miss	-.0451199	.0086805	-5.20	0.000	-.0625467	-.0276931
tsd_depend_1	-.0034621	.0018076	-1.92	0.061	-.007091	.0001668
tsd_depend_2	.0005282	.0019338	0.27	0.786	-.003354	.0044104
tsd_depend_miss	-.024468	.0056447	-4.33	0.000	-.0358002	-.0131358
tsd_vrpr	-.0545404	.008131	-6.71	0.000	-.0708641	-.0382167
tsd_vrpr_miss	-.0980467	.0080394	-12.20	0.000	-.1141864	-.0819069
pdcgrou2	-.0204971	.0036288	-5.65	0.000	-.0277821	-.013212
pdcgrou3	-.0110195	.0036614	-3.01	0.004	-.0183702	-.0036689
pdcgrou4	-.0159444	.0033858	-4.71	0.000	-.0227417	-.0091472
pdcgrou5	-.0028477	.0108528	-0.26	0.794	-.0246356	.0189402
cohort2000	-.0106732	.0026173	-4.08	0.000	-.0159277	-.0054187
cohort2001	-.0149952	.0040521	-3.70	0.001	-.0231301	-.0068603
cohort2002	-.0187519	.0059117	-3.17	0.003	-.0306202	-.0068836
cohort2003	-.0245164	.0075474	-3.25	0.002	-.0396684	-.0093644
cohort2004	.0329669	.019728	1.67	0.101	-.0066388	.0725726
award_b4_tsd	.0040266	.0127817	0.32	0.754	-.0216336	.0296869
diaward_tsd	-.0007321	.0001783	-4.11	0.000	-.0010901	-.0003742
epeb4twp_flag	.1886651	.1641874	1.15	0.256	-.1409548	.518285
ldwb4twp_flag	.177451	.0964485	1.84	0.072	-.0161774	.3710794
ldwb4epe_flag	.2133448	.0410895	5.19	0.000	.1308543	.2958354
twpb4tsd	-.033468	.0118839	-2.82	0.007	-.0573259	-.0096101
epeb4tsd	-.0427522	.0034459	-12.41	0.000	-.0496701	-.0358344
ldwb4tsd	-.0265627	.003427	-7.75	0.000	-.0334427	-.0196827
st_AL	-.0306326	.0077956	-3.93	0.000	-.046283	-.0149822
st_AR	-.0175918	.006597	-2.67	0.010	-.0308359	-.0043477
st_AZ	-.0275349	.0078734	-3.50	0.001	-.0433414	-.0117284
st_CA	-.0129025	.0049277	-2.62	0.012	-.0227953	-.0030098
st_CO	.0136449	.0067311	2.03	0.048	.0001317	.0271581
st_CT	.0406459	.0085374	4.76	0.000	.0235065	.0577854
st_DC	-.0319643	.0033	-9.69	0.000	-.0385894	-.0253393
st_DE	-.0710168	.0106107	-6.69	0.000	-.0923186	-.049715
st_FL	-.0432944	.0089	-4.86	0.000	-.0611619	-.0254269
st_GA	-.0414593	.0090785	-4.57	0.000	-.0596852	-.0232334
st_HI	-.0101297	.0130373	-0.78	0.441	-.0363031	.0160438
st_IA	.0144942	.0089871	1.61	0.113	-.0035481	.0325366
st_ID	-.0167156	.0089796	-1.86	0.068	-.0347429	.0013117
st_IL	-.0195176	.0046412	-4.21	0.000	-.0288353	-.0101999
st_IN	-.0311893	.0070995	-4.39	0.000	-.0454421	-.0169365

st_KS	.0503359	.006599	7.63	0.000	.0370879	.0635838
st_KY	-.0486093	.0060693	-8.01	0.000	-.0607941	-.0364246
st_LA	.0163191	.0068297	2.39	0.021	.0026078	.0300303
st_MA	-.0015231	.0071187	-0.21	0.831	-.0158144	.0127682
st_MD	-.0210407	.0099404	-2.12	0.039	-.0409968	-.0010846
st_ME	-.0084068	.0089729	-0.94	0.353	-.0264208	.0096071
st_MI	-.0236289	.0033786	-6.99	0.000	-.0304118	-.0168461
st_MN	-.0137242	.0087321	-1.57	0.122	-.0312545	.0038062
st_MO	-.0092287	.0065618	-1.41	0.166	-.0224021	.0039448
st_MS	-.0490487	.0050047	-9.80	0.000	-.0590961	-.0390013
st_MT	.0009479	.0105687	0.09	0.929	-.0202696	.0221655
st_NC	-.0322415	.0064605	-4.99	0.000	-.0452114	-.0192715
st_ND	-.0737873	.0142848	-5.17	0.000	-.1024652	-.0451094
st_NE	-.0098993	.0110992	-0.89	0.377	-.0321818	.0123833
st_NH	.0185238	.0109045	1.70	0.095	-.0033679	.0404154
st_NJ	-.0265036	.0081704	-3.24	0.002	-.0429063	-.0101009
st_NM	-.030456	.0062406	-4.88	0.000	-.0429847	-.0179274
st_NV	-.0552546	.0096413	-5.73	0.000	-.0746105	-.0358988
st_NY	-.0072756	.0059885	-1.21	0.230	-.019298	.0047469
st_OH	-.0297009	.0050909	-5.83	0.000	-.0399213	-.0194805
st_OK	-.049489	.0081973	-6.04	0.000	-.0659457	-.0330322
st_OR	-.0028074	.0030532	-0.92	0.362	-.008937	.0033222
st_PA	-.0205906	.0069448	-2.96	0.005	-.0345329	-.0066484
st_PR	-.0610651	.0078067	-7.82	0.000	-.0767378	-.0453925
st_RI	-.0047218	.0076906	-0.61	0.542	-.0201613	.0107177
st_SC	-.0725063	.0034584	-20.97	0.000	-.0794494	-.0655633
st_SD	-.1151247	.0134655	-8.55	0.000	-.1421579	-.0880916
st_TN	-.04877	.0068046	-7.17	0.000	-.0624307	-.0351093
st_TX	-.0252602	.0052315	-4.83	0.000	-.0357629	-.0147576
st_UT	-.0241064	.0078922	-3.05	0.004	-.0399507	-.0082621
st_VA	-.0023071	.0117682	-0.20	0.845	-.0259328	.0213187
st_VT	-.0400383	.0113246	-3.54	0.001	-.0627734	-.0173032
st_WA	-.0151576	.0046165	-3.28	0.002	-.0244256	-.0058896
st_WI	-.0180429	.0077341	-2.33	0.024	-.0335698	-.002516
st_WV	-.0260295	.007524	-3.46	0.001	-.0411345	-.0109244
st_WY	-.0262991	.0109884	-2.39	0.020	-.0483592	-.0042389
tsd_unemp_mean	.0016272	.0027524	0.59	0.557	-.0038985	.0071528
tsd_unemp_cng	.0011887	.0015412	0.77	0.444	-.0019054	.0042828
pial	.0000308	6.66e-06	4.63	0.000	.0000175	.0000442
pia_miss	.0363075	.0064127	5.66	0.000	.0234334	.0491816
ime1	-8.72e-06	2.55e-06	-3.42	0.001	-.0000138	-3.61e-06
ime_miss	-.0390475	.004887	-7.99	0.000	-.0488585	-.0292365
_cons	.2877412	.0192229	14.97	0.000	.2491496	.3263327

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

twproll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0007865	.0026649	-0.30	0.769	-.0061366 .0045635

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = .0007865

twproll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-2.80e-17	.0026649	-0.00	1.000	-.0053501 .0053501

(1) imm21_adj = 0
 (2) imm23_adj = 0
 (3) imm24_adj = 0
 (4) imm25_adj = 0
 (5) imm26_adj = 0
 (6) imm27_adj = 0
 (7) imm28_adj = 0
 (8) imm29_adj = 0
 (9) imm30_adj = 0

F(9, 51) = 0.88
 Prob > F = 0.5532

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
 imm28_adj + imm29_adj + imm30_adj = 0

F(1, 51) = 0.09
 Prob > F = 0.7691

(1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
 (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
 (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
 (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
 (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
 (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
 (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 51) = 1.04
 Prob > F = 0.4180

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.0426
 Root MSE = .26153

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	.0031256	.0018847	1.66	0.103	-.0006581	.0069092
imm23_adj	.0025201	.0022296	1.13	0.264	-.001956	.0069962
imm24_adj	.0005819	.0022742	0.26	0.799	-.0039839	.0051476
imm25_adj	-.0021311	.0022915	-0.93	0.357	-.0067315	.0024694
imm26_adj	-.0026916	.0020906	-1.29	0.204	-.0068886	.0015054
imm27_adj	.0030253	.0029538	1.02	0.311	-.0029047	.0089552
imm28_adj	-.0013345	.0022332	-0.60	0.553	-.0058177	.0031488
imm29_adj	-.0009702	.0019095	-0.51	0.614	-.0048038	.0028634
imm30_adj	-.0006348	.0021096	-0.30	0.765	-.0048699	.0036003
male	.000331	.0014093	0.23	0.815	-.0024984	.0031603
gendermiss_flag	-.0690623	.0104343	-6.62	0.000	-.0900101	-.0481146
tsd_age	-.0032843	.0003002	-10.94	0.000	-.0038869	-.0026817
doage2	.0003953	.0002678	1.48	0.146	-.0001423	.0009329
doage2miss_flag	.091534	.0082775	11.06	0.000	.0749163	.1081517
race_a	-.0051329	.0061063	-0.84	0.405	-.0173918	.0071261
race_b	.0133518	.0024572	5.43	0.000	.0084188	.0182847
race_h	-.0006344	.0020006	-0.32	0.752	-.0046507	.0033819
race_i	.0100652	.0097926	1.03	0.309	-.0095942	.0297246

race_o	.0156937	.0098753	1.59	0.118	-.0041318	.0355191
race_mis	-.0122297	.0067997	-1.80	0.078	-.0258806	.0014213
tsd_edu_hs	.0079384	.0027286	2.91	0.005	.0024605	.0134163
tsd_edu_mrhs	.0250839	.0023956	10.47	0.000	.0202745	.0298934
tsd_edu_mis	.0061464	.0024855	2.47	0.017	.0011566	.0111362
tsd_mie_exp	.0259675	.0057458	4.52	0.000	.0144324	.0375026
tsd_mie_mis	-.0019409	.002816	-0.69	0.494	-.0075943	.0037125
tsd_mie_psbl	.009088	.0024041	3.78	0.000	.0042617	.0139144
tsd_medicare	-.0221569	.0021792	-10.17	0.000	-.0265318	-.0177819
tsd_medicare_miss	-.0592658	.00948	-6.25	0.000	-.0782976	-.0402339
tsd_depend_1	-.0041524	.0019923	-2.08	0.042	-.008152	-.0001527
tsd_depend_2	.0028264	.0022373	1.26	0.212	-.0016651	.0073179
tsd_depend_miss	-.0276637	.0058401	-4.74	0.000	-.0393882	-.0159391
tsd_vrpr	-.0796007	.0101527	-7.84	0.000	-.0999831	-.0592183
tsd_vrpr_miss	-.1323817	.0106286	-12.46	0.000	-.1537194	-.1110439
pdcgrou2	-.0248747	.0041179	-6.04	0.000	-.0331418	-.0166077
pdcgrou3	-.0157144	.0041317	-3.80	0.000	-.0240091	-.0074197
pdcgrou4	-.0212417	.0038602	-5.50	0.000	-.0289913	-.013492
pdcgrou5	-.0160197	.010174	-1.57	0.122	-.0364449	.0044055
cohort2000	-.010345	.0032175	-3.22	0.002	-.0168043	-.0038856
cohort2001	-.015225	.0042368	-3.59	0.001	-.0237308	-.0067193
cohort2002	-.0184476	.0060672	-3.04	0.004	-.0306279	-.0062673
cohort2003	-.0256631	.0073143	-3.51	0.001	-.0403471	-.0109791
cohort2004	.0427371	.0213055	2.01	0.050	-.0000354	.0855097
award_b4_tsd	.013861	.0122139	1.13	0.262	-.0106593	.0383814
diaward_tsd	-.0007288	.0001651	-4.41	0.000	-.0010603	-.0003973
epeb4twp_flag	.2943497	.1887391	1.56	0.125	-.0845598	.6732592
ldwb4twp_flag	.3483573	.1206363	2.89	0.006	.1061698	.5905448
ldwb4epe_flag	.2619931	.039585	6.62	0.000	.1825229	.3414632
twpb4tsd	-.0536089	.0122864	-4.36	0.000	-.0782749	-.028943
epeb4tsd	-.0532362	.0036238	-14.69	0.000	-.0605113	-.0459611
ldwb4tsd	-.032974	.0034046	-9.69	0.000	-.039809	-.026139
st_AL	-.0121909	.0072483	-1.68	0.099	-.0267426	.0023607
st_AR	.0206096	.0056894	3.62	0.001	.0091875	.0320316
st_AZ	.0049384	.0067837	0.73	0.470	-.0086806	.0185573
st_CA	.0161931	.0045593	3.55	0.001	.0070399	.0253462
st_CO	.061491	.0059498	10.34	0.000	.0495464	.0734357
st_CT	.0791075	.0070832	11.17	0.000	.0648873	.0933277
st_DC	.0311188	.0033822	9.20	0.000	.0243287	.0379089
st_DE	-.0749214	.0094255	-7.95	0.000	-.0938438	-.055999
st_FL	-.0148507	.0075532	-1.97	0.055	-.0300143	.000313
st_GA	-.0091993	.0077907	-1.18	0.243	-.0248398	.0064411
st_HI	.0101593	.0111718	0.91	0.367	-.0122691	.0325877
st_IA	.0460283	.0077317	5.95	0.000	.0305063	.0615503
st_ID	.0035048	.0081133	0.43	0.668	-.0127834	.0197929
st_IL	.0248045	.0041511	5.98	0.000	.0164708	.0331382
st_IN	-.015963	.006317	-2.53	0.015	-.028645	-.003281
st_KS	.1153638	.0056061	20.58	0.000	.104109	.1266186
st_KY	-.0201962	.0051974	-3.89	0.000	-.0306305	-.0097619
st_LA	.0383612	.0060885	6.30	0.000	.026138	.0505845
st_MA	.0267909	.0061565	4.35	0.000	.0144312	.0391505
st_MD	-.0024697	.009065	-0.27	0.786	-.0206686	.0157291
st_ME	.013529	.0080654	1.68	0.100	-.002663	.029721
st_MI	.0232523	.0031953	7.28	0.000	.0168374	.0296671
st_MN	.0072574	.0078867	0.92	0.362	-.0085758	.0230907
st_MO	.0269923	.0058229	4.64	0.000	.0153023	.0386822
st_MS	-.0317311	.0041944	-7.57	0.000	-.0401517	-.0233105
st_MT	.0018617	.009146	0.20	0.840	-.0164997	.0202231
st_NC	-.0144395	.0061998	-2.33	0.024	-.0268862	-.0019928
st_ND	-.0703661	.0128973	-5.46	0.000	-.0962585	-.0444737
st_NE	.0084628	.0097543	0.87	0.390	-.0111197	.0280454
st_NH	.0342282	.0093967	3.64	0.001	.0153636	.0530929
st_NJ	.0013304	.0070905	0.19	0.852	-.0129044	.0155653

st_NM	-.0061391	.0053607	-1.15	0.257	-.0169011	.0046229
st_NV	-.0046594	.0082369	-0.57	0.574	-.0211957	.0118769
st_NY	.0403254	.0053387	7.55	0.000	.0296076	.0510433
st_OH	-.0085681	.0046822	-1.83	0.073	-.017968	.0008319
st_OK	.0279316	.0073991	3.78	0.000	.0130773	.0427858
st_OR	.0433836	.0034553	12.56	0.000	.0364468	.0503204
st_PA	.005262	.0064029	0.82	0.415	-.0075923	.0181163
st_PR	-.0385512	.0074203	-5.20	0.000	-.0534481	-.0236544
st_RI	.0185034	.0067097	2.76	0.008	.005033	.0319737
st_SC	-.0501441	.0031958	-15.69	0.000	-.0565601	-.0437282
st_SD	-.0087731	.0115232	-0.76	0.450	-.0319068	.0143605
st_TN	-.0404891	.0060612	-6.68	0.000	-.0526574	-.0283207
st_TX	-.0011921	.0050453	-0.24	0.814	-.011321	.0089367
st_UT	-.0008277	.0072729	-0.11	0.910	-.0154286	.0137732
st_VA	.0206501	.0103015	2.00	0.050	-.000031	.0413312
st_VT	-.0408308	.0098505	-4.15	0.000	-.0606064	-.0210551
st_WA	.0133946	.0044292	3.02	0.004	.0045026	.0222866
st_WI	.0166252	.0069352	2.40	0.020	.0027022	.0305481
st_WV	-.0026041	.0069647	-0.37	0.710	-.0165863	.0113781
st_WY	.0096432	.0098379	0.98	0.332	-.0101072	.0293935
tsd_unemp_mean	-.0000496	.0023814	-0.02	0.983	-.0048304	.0047313
tsd_unemp_cng	.0017347	.0014877	1.17	0.249	-.0012519	.0047214
pial	.0000423	.0000103	4.10	0.000	.0000216	.0000631
pia_miss	.0411458	.0074879	5.49	0.000	.0261132	.0561785
ime1	-.0000116	3.09e-06	-3.74	0.000	-.0000178	-5.34e-06
ime_miss	-.0475368	.0047593	-9.99	0.000	-.0570914	-.0379821
_cons	.3476782	.0201844	17.23	0.000	.3071564	.3882

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj -
imm28_adj - imm29_adj - imm30_adj = 0

twproll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0014907	.0020439	-0.73	0.469	-.0055941 .0026127

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
imm28_adj + imm29_adj + imm30_adj = .0014907

twproll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	2.99e-17	.0020439	0.00	1.000	-.0041034 .0041034

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 51) = 0.60
Prob > F = 0.7892

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
imm28_adj + imm29_adj + imm30_adj = 0

F(1, 51) = 0.53
 Prob > F = 0.4691

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 51) = 0.46
 Prob > F = 0.8576

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_unemp.xls

dir : seeout

Linear regression

Number of obs = 114377
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.0482
 Root MSE = .27664

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	.0037938	.0021806	1.74	0.088	-.0005839	.0081716
imm23_adj	.0025442	.0023196	1.10	0.278	-.0021127	.0072011
imm24_adj	-.0008864	.0022761	-0.39	0.699	-.0054558	.003683
imm25_adj	-.0025939	.0028803	-0.90	0.372	-.0083764	.0031885
imm26_adj	-.0038309	.0022242	-1.72	0.091	-.0082961	.0006343
imm27_adj	.0033332	.0032546	1.02	0.311	-.0032007	.0098672
imm28_adj	.0003113	.0022866	0.14	0.892	-.0042792	.0049017
imm29_adj	-.0007724	.0017797	-0.43	0.666	-.0043453	.0028005
imm30_adj	-.0000105	.002162	-0.00	0.996	-.0043509	.0043298
male	-.0003347	.0018519	-0.18	0.857	-.0040527	.0033832
gendermiss_flag	-.0795379	.0117344	-6.78	0.000	-.1030958	-.0559801
tsd_age	-.0037414	.0003515	-10.65	0.000	-.004447	-.0030358
doage2	.0003505	.0003019	1.16	0.251	-.0002555	.0009566
doage2miss_flag	.1089066	.0090093	12.09	0.000	.0908198	.1269934
race_a	-.0083018	.0071178	-1.17	0.249	-.0225914	.0059879
race_b	.0159469	.0024303	6.56	0.000	.0110678	.0208259
race_h	.0002844	.0025951	0.11	0.913	-.0049254	.0054942
race_i	.001041	.0095504	0.11	0.914	-.0181323	.0202142
race_o	.0141855	.0101134	1.40	0.167	-.006118	.0344891
race_mis	-.0151386	.0073064	-2.07	0.043	-.0298069	-.0004703
tsd_edu_hs	.0095361	.0027566	3.46	0.001	.0040019	.0150702
tsd_edu_mrhs	.0284112	.0024789	11.46	0.000	.0234346	.0333877
tsd_edu_mis	.0067738	.0029244	2.32	0.025	.0009028	.0126448
tsd_mie_exp	.0272157	.0055615	4.89	0.000	.0160504	.0383809
tsd_mie_mis	.0003226	.003009	0.11	0.915	-.0057183	.0063635
tsd_mie_psbl	.0116988	.0024806	4.72	0.000	.0067188	.0166788
tsd_medicare	-.024296	.0021728	-11.18	0.000	-.0286581	-.0199339
tsd_medicare_miss	-.0674718	.0101372	-6.66	0.000	-.0878231	-.0471206
tsd_depend_1	-.0047553	.0022478	-2.12	0.039	-.009268	-.0002426
tsd_depend_2	.0027053	.0025628	1.06	0.296	-.0024397	.0078503
tsd_depend_miss	-.0293902	.0071899	-4.09	0.000	-.0438245	-.0149558
tsd_vrpr	-.088337	.009886	-8.94	0.000	-.1081839	-.06849
tsd_vrpr_miss	-.1447779	.0103117	-14.04	0.000	-.1654795	-.1240763
pdcgrou2	-.029294	.0046567	-6.29	0.000	-.0386428	-.0199453

pdcgrou3	-.0177483	.0042631	-4.16	0.000	-.0263069	-.0091898
pdcgrou4	-.0237247	.004091	-5.80	0.000	-.0319376	-.0155118
pdcgrou5	-.0237943	.0096127	-2.48	0.017	-.0430927	-.004496
cohort2000	-.0119989	.0034798	-3.45	0.001	-.0189849	-.0050128
cohort2001	-.0171902	.0043583	-3.94	0.000	-.0259399	-.0084405
cohort2002	-.0215676	.0053405	-4.04	0.000	-.0322892	-.0108461
cohort2003	-.0287745	.0062113	-4.63	0.000	-.0412441	-.0163048
cohort2004	.052221	.0242995	2.15	0.036	.0034377	.1010042
award_b4_tsd	.0062018	.0150191	0.41	0.681	-.0239504	.0363539
diaward_tsd	-.0007404	.0001379	-5.37	0.000	-.0010172	-.0004636
epeb4twp_flag	.339507	.1864046	1.82	0.074	-.0347158	.7137297
ldwb4twp_flag	.6444675	.0844746	7.63	0.000	.4748777	.8140573
ldwb4epe_flag	.2791136	.0383356	7.28	0.000	.2021517	.3560755
twpb4tsd	-.0659437	.0123194	-5.35	0.000	-.0906759	-.0412116
epeb4tsd	-.0595237	.0039219	-15.18	0.000	-.0673972	-.0516503
ldwb4tsd	-.0374058	.0033841	-11.05	0.000	-.0441996	-.030612
st_AL	-.0052051	.0068686	-0.76	0.452	-.0189943	.0085841
st_AR	.0333406	.0053863	6.19	0.000	.0225271	.0441541
st_AZ	.0463347	.0066605	6.96	0.000	.0329632	.0597062
st_CA	.0302509	.0042997	7.04	0.000	.0216188	.0388829
st_CO	.0635708	.0055523	11.45	0.000	.0524241	.0747175
st_CT	.106822	.0070809	15.09	0.000	.0926065	.1210375
st_DC	.0357604	.0033104	10.80	0.000	.0291146	.0424062
st_DE	-.0476932	.0091563	-5.21	0.000	-.0660752	-.0293111
st_FL	.0237803	.007355	3.23	0.002	.0090145	.0385461
st_GA	.0085721	.0074294	1.15	0.254	-.0063431	.0234873
st_HI	.0250334	.0114266	2.19	0.033	.0020935	.0479734
st_IA	.0606534	.0076455	7.93	0.000	.0453044	.0760024
st_ID	.0124684	.0077942	1.60	0.116	-.0031791	.0281159
st_IL	.0659678	.0038675	17.06	0.000	.0582034	.0737322
st_IN	.011457	.005786	1.98	0.053	-.0001588	.0230729
st_KS	.1401418	.0054641	25.65	0.000	.1291722	.1511115
st_KY	-.0151356	.0048439	-3.12	0.003	-.0248601	-.0054112
st_LA	.064497	.0058376	11.05	0.000	.0527775	.0762165
st_MA	.0793464	.0059825	13.26	0.000	.0673359	.0913568
st_MD	.0025428	.0089947	0.28	0.779	-.0155148	.0206004
st_ME	.0270092	.0077283	3.49	0.001	.0114941	.0425244
st_MI	.0421638	.0029858	14.12	0.000	.0361696	.048158
st_MN	.0190546	.0076596	2.49	0.016	.0036773	.0344319
st_MO	.0629944	.0054206	11.62	0.000	.052112	.0738767
st_MS	-.0176443	.0037834	-4.66	0.000	-.0252398	-.0100488
st_MT	.0016113	.009116	0.18	0.860	-.0166899	.0199125
st_NC	-.0053868	.0058241	-0.92	0.359	-.0170791	.0063055
st_ND	-.0685448	.0127988	-5.36	0.000	-.0942394	-.0428501
st_NE	.0229449	.0096475	2.38	0.021	.0035768	.0423131
st_NH	.0643169	.0092151	6.98	0.000	.0458169	.0828169
st_NJ	.0187152	.0069632	2.69	0.010	.004736	.0326944
st_NM	.0158467	.005124	3.09	0.003	.0055599	.0261335
st_NV	-.00438	.0082924	-0.53	0.600	-.0210276	.0122676
st_NY	.0655842	.0051121	12.83	0.000	.0553212	.0758472
st_OH	.0021419	.0043087	0.50	0.621	-.0065082	.0107921
st_OK	.0658705	.0068352	9.64	0.000	.0521484	.0795927
st_OR	.0970181	.0036873	26.31	0.000	.0896157	.1044206
st_PA	.0189963	.0060784	3.13	0.003	.0067935	.0311992
st_PR	-.0284478	.0083585	-3.40	0.001	-.0452282	-.0116673
st_RI	.0344378	.0064171	5.37	0.000	.0215549	.0473207
st_SC	-.0444522	.0029477	-15.08	0.000	-.05037	-.0385343
st_SD	-.0115946	.0112223	-1.03	0.306	-.0341243	-.0109352
st_TN	-.0310083	.0055765	-5.56	0.000	-.0422036	-.019813
st_TX	.0100758	.0047597	2.12	0.039	.0005202	.0196314
st_UT	.0134958	.0070913	1.90	0.063	-.0007406	.0277322
st_VA	.030275	.0101642	2.98	0.004	.0098695	.0506804
st_VT	-.0418526	.0096315	-4.35	0.000	-.0611888	-.0225165

st_WA	.0304498	.0042552	7.16	0.000	.0219072	.0389924
st_WI	.0365129	.0066916	5.46	0.000	.0230789	.0499469
st_WV	.0048225	.0066101	0.73	0.469	-.0084478	.0180928
st_WY	.0104031	.0097163	1.07	0.289	-.0091032	.0299094
tsd_unemp_mean	-.0009329	.0024882	-0.37	0.709	-.0059282	.0040624
tsd_unemp_cng	.0018367	.0013398	1.37	0.176	-.000853	.0045264
pial	.0000462	9.01e-06	5.13	0.000	.0000282	.0000643
pia_miss	.0408493	.0077306	5.28	0.000	.0253294	.0563692
ime1	-.0000127	2.86e-06	-4.46	0.000	-.0000185	-6.99e-06
ime_miss	-.0526187	.005135	-10.25	0.000	-.0629277	-.0423097
_cons	.3843834	.0207114	18.56	0.000	.3428035	.4259633

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

twproll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0018883	.0018306	-1.03	0.307	-.0055633 .0017867

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = .0018883

twproll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	4.92e-17	.0018306	0.00	1.000	-.003675 .003675

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 51) = 1.08
Prob > F = 0.3952

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 51) = 1.06
Prob > F = 0.3071

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 51) = 0.94
Prob > F = 0.4858

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH3_unemp.xls

dir : seeout

Linear regression

Number of obs = 114377
F(50, 51) = .
Prob > F = .
R-squared = 0.2938
Root MSE = .13309

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
imm21_adj	.0045816	.0010272	4.46	0.000	.0025194 .0066439
imm23_adj	.001952	.0013556	1.44	0.156	-.0007695 .0046734
imm24_adj	.0016004	.000781	2.05	0.046	.0000324 .0031683
imm25_adj	.0007848	.0012114	0.65	0.520	-.0016472 .0032167
imm26_adj	-.0003167	.0011913	-0.27	0.791	-.0027082 .0020749
imm27_adj	-.0004833	.0007231	-0.67	0.507	-.0019351 .0009685
imm28_adj	-.0013302	.0014473	-0.92	0.362	-.0042358 .0015753
imm29_adj	-.0007785	.0013181	-0.59	0.557	-.0034248 .0018677
imm30_adj	-.0035281	.0010801	-3.27	0.002	-.0056965 -.0013598
male	.0007838	.0009335	0.84	0.405	-.0010901 .0026578
gendermiss_flag	.1904928	.1423812	1.34	0.187	-.0953493 .476335
tsd_age	-.0001999	.0001223	-1.63	0.108	-.0004453 .0000456
doage2	-.0000383	.0000925	-0.41	0.681	-.000224 .0001474
doage2miss_flag	7.30e-06	.0030132	0.00	0.998	-.006042 .0060566
race_a	-.0008107	.0019612	-0.41	0.681	-.004748 .0031266
race_b	.0023424	.0011046	2.12	0.039	.0001248 .0045599
race_h	-.0006365	.0012819	-0.50	0.622	-.0032099 .001937
race_i	-.0066372	.0049434	-1.34	0.185	-.0165616 .0032871
race_o	-.0030494	.0018877	-1.62	0.112	-.006839 .0007403
race_mis	-.0016005	.0028539	-0.56	0.577	-.00733 .0041289
tsd_edu_hs	.0015423	.0010253	1.50	0.139	-.000516 .0036006
tsd_edu_mrhs	.0071873	.0018603	3.86	0.000	.0034526 .010922
tsd_edu_mis	.0022156	.0012905	1.72	0.092	-.0003753 .0048065
tsd_mie_exp	.0006593	.0032136	0.21	0.838	-.0057922 .0071108
tsd_mie_mis	-.0000908	.0020604	-0.04	0.965	-.0042273 .0040457
tsd_mie_psbl	.0011551	.0013229	0.87	0.387	-.0015007 .0038109
tsd_medicare	-.002446	.0012743	-1.92	0.061	-.0050042 .0001121
tsd_medicare_miss	-.0049529	.0036772	-1.35	0.184	-.0123352 .0024294
tsd_depend_1	-.0006692	.0009038	-0.74	0.462	-.0024837 .0011453
tsd_depend_2	-.0017191	.0007084	-2.43	0.019	-.0031414 -.0002969
tsd_depend_miss	-.003661	.0038464	-0.95	0.346	-.0113829 .0040609
tsd_vrpr	-.4528106	.0129569	-34.95	0.000	-.4788228 -.4267984
tsd_vrpr_miss	-.4765443	.0121325	-39.28	0.000	-.5009012 -.4521873
pdcgrou2	-.0020582	.0016599	-1.24	0.221	-.0053906 .0012741
pdcgrou3	-.0009554	.0018354	-0.52	0.605	-.0046401 .0027293
pdcgrou4	.0007511	.0013574	0.55	0.582	-.0019741 .0034762
pdcgrou5	-.0051245	.0099	-0.52	0.607	-.0249996 .0147506
cohort2000	-.000926	.001756	-0.53	0.600	-.0044514 .0025993
cohort2001	-.0002919	.0025756	-0.11	0.910	-.0054627 .0048789
cohort2002	-.0023351	.0043968	-0.53	0.598	-.0111621 .0064918
cohort2003	-.0010799	.0051419	-0.21	0.834	-.0114027 .0092429
cohort2004	-.014479	.0079265	-1.83	0.074	-.0303921 .001434
award_b4_tsd	-.0021414	.0046217	-0.46	0.645	-.0114197 .007137
diaward_tsd	-.0000798	.0001267	-0.63	0.532	-.0003341 .0001745
epeb4twp_flag	-.0719922	.0512098	-1.41	0.166	-.1748001 .0308158
ldwb4twp_flag	.0094951	.0154199	0.62	0.541	-.0214617 .03404519
ldwb4epe_flag	-.0019678	.0181185	-0.11	0.914	-.0383422 .0344066
twpb4tsd	.0030499	.0020086	1.52	0.135	-.0009826 .0070824
epeb4tsd	.0054516	.0022226	2.45	0.018	.0009896 .0099136
ldwb4tsd	-.0077904	.0029426	-2.65	0.011	-.013698 -.0018828

st_AL	-.0498036	.0058219	-8.55	0.000	-.0614916	-.0381156
st_AR	-.060803	.0044381	-13.70	0.000	-.0697128	-.0518931
st_AZ	-.0416588	.0058541	-7.12	0.000	-.0534113	-.0299062
st_CA	-.0517592	.0031765	-16.29	0.000	-.0581363	-.0453822
st_CO	-.0328278	.0044948	-7.30	0.000	-.0418516	-.0238041
st_CT	-.0542618	.0059983	-9.05	0.000	-.0663039	-.0422196
st_DC	-.067314	.0021184	-31.78	0.000	-.0715669	-.0630611
st_DE	-.0494807	.0081724	-6.05	0.000	-.0658874	-.033074
st_FL	-.0637504	.0065305	-9.76	0.000	-.0768609	-.0506399
st_GA	-.0693357	.0062994	-11.01	0.000	-.0819822	-.0566892
st_HI	-.0610999	.0097273	-6.28	0.000	-.0806284	-.0415715
st_IA	-.0704833	.0064851	-10.87	0.000	-.0835027	-.057464
st_ID	-.0475722	.0065861	-7.22	0.000	-.0607944	-.0343501
st_IL	-.0493561	.0031674	-15.58	0.000	-.055715	-.0429972
st_IN	-.0570572	.0049826	-11.45	0.000	-.0670601	-.0470542
st_KS	-.0549037	.0045851	-11.97	0.000	-.0641087	-.0456987
st_KY	-.0626212	.0046669	-13.42	0.000	-.0719905	-.053252
st_LA	-.0652152	.0048152	-13.54	0.000	-.074882	-.0555483
st_MA	-.0514615	.0054073	-9.52	0.000	-.062317	-.040606
st_MD	-.0572442	.0071712	-7.98	0.000	-.071641	-.0428474
st_ME	-.0458713	.0066368	-6.91	0.000	-.0591953	-.0325473
st_MI	-.0567578	.0017079	-33.23	0.000	-.0601865	-.0533291
st_MN	-.0545755	.0065812	-8.29	0.000	-.0677878	-.0413631
st_MO	-.0550344	.00394	-13.97	0.000	-.0629443	-.0471245
st_MS	-.0649814	.0029617	-21.94	0.000	-.0709271	-.0590356
st_MT	-.0411133	.0076272	-5.39	0.000	-.0564255	-.025801
st_NC	-.0578151	.0047162	-12.26	0.000	-.0672832	-.048347
st_ND	-.0734399	.0093886	-7.82	0.000	-.0922882	-.0545915
st_NE	-.0493544	.0080262	-6.15	0.000	-.0654677	-.0332411
st_NH	-.0942844	.008296	-11.37	0.000	-.1109394	-.0776295
st_NJ	-.0582205	.0060772	-9.58	0.000	-.0704211	-.0460199
st_NM	-.0440517	.0041884	-10.52	0.000	-.0524602	-.0356432
st_NV	-.0663429	.0072551	-9.14	0.000	-.0809082	-.0517776
st_NY	-.0406158	.0042389	-9.58	0.000	-.0491257	-.0321059
st_OH	-.0459097	.0032522	-14.12	0.000	-.0524388	-.0393805
st_OK	-.0623811	.0059052	-10.56	0.000	-.0742363	-.0505258
st_OR	-.033895	.001611	-21.04	0.000	-.0371291	-.0306608
st_PA	-.0506714	.0048293	-10.49	0.000	-.0603666	-.0409761
st_PR	-.0494637	.0074254	-6.66	0.000	-.0643708	-.0345565
st_RI	-.0556333	.0051724	-10.76	0.000	-.0660173	-.0452492
st_SC	-.0694053	.0020271	-34.24	0.000	-.0734748	-.0653357
st_SD	-.0677059	.0086196	-7.85	0.000	-.0850106	-.0504013
st_TN	-.0477023	.0049125	-9.71	0.000	-.0575645	-.0378402
st_TX	-.0531273	.0035473	-14.98	0.000	-.0602488	-.0460058
st_UT	-.0452577	.0056746	-7.98	0.000	-.0566498	-.0338655
st_VA	-.0620727	.0087494	-7.09	0.000	-.0796378	-.0445076
st_VT	-.0854329	.0088126	-9.69	0.000	-.1031249	-.0677409
st_WA	-.0473203	.0032548	-14.54	0.000	-.0538547	-.0407859
st_WI	-.0554199	.0057756	-9.60	0.000	-.0670148	-.0438249
st_WV	-.0522644	.005466	-9.56	0.000	-.0632379	-.0412908
st_WY	-.0574095	.0080175	-7.16	0.000	-.0735053	-.0413138
tsd_unemp_mean	-.0012819	.0022498	-0.57	0.571	-.0057986	.0032347
tsd_unemp_cng	.0014572	.0014019	1.04	0.304	-.0013573	.0042717
pial	5.98e-06	4.75e-06	1.26	0.214	-3.56e-06	.0000155
pia_miss	.0036284	.0040461	0.90	0.374	-.0044944	.0117512
ime1	-1.70e-06	1.38e-06	-1.23	0.224	-4.46e-06	1.07e-06
ime_miss	-.0027952	.0016973	-1.65	0.106	-.0062028	.0006123
_cons	.5495533	.0237067	23.18	0.000	.5019601	.5971465

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj -
imm28_adj - imm29_adj - imm30_adj = 0

srvroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-.0024818	.0009482	-2.62	0.012	-.0043855	-.0005782

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = .0024818

srvroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	4.34e-18	.0009482	0.00	1.000	-.0019037	.0019037

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 51) = 3.89
 Prob > F = 0.0008

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 51) = 6.85
 Prob > F = 0.0116

- (1) -.5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) -.5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) -.5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) -.5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) -.5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) -.5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) -.5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 51) = 0.86
 Prob > F = 0.5408

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.4504
 Root MSE = .14644

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	.0015169	.0009476	1.60	0.116	-.0003854	.0034192
imm23_adj	.002799	.0011474	2.44	0.018	.0004954	.0051026
imm24_adj	.0010461	.0008827	1.19	0.241	-.0007261	.0028182

imm25_adj	-.001236	.0011964	-1.03	0.306	-.0036379	.0011659
imm26_adj	-.0005526	.0009412	-0.59	0.560	-.0024422	.001337
imm27_adj	-.0006712	.0008842	-0.76	0.451	-.0024463	.0011038
imm28_adj	-.0012021	.0017427	-0.69	0.493	-.0047008	.0022965
imm29_adj	.0016136	.0013056	1.24	0.222	-.0010074	.0042346
imm30_adj	-.0019325	.0012345	-1.57	0.124	-.0044109	.0005458
male	.0021298	.0012084	1.76	0.084	-.0002962	.0045557
gendermiss_flag	.1866997	.1414566	1.32	0.193	-.0972863	.4706856
tsd_age	-.0005215	.0001067	-4.89	0.000	-.0007357	-.0003073
doage2	.0000277	.0000615	0.45	0.655	-.0000958	.0001511
doage2miss_flag	-.0027599	.0030599	-0.90	0.371	-.008903	.0033832
race_a	-.0021255	.0022607	-0.94	0.352	-.0066639	.002413
race_b	.0023895	.0013114	1.82	0.074	-.0002433	.0050223
race_h	.0006946	.0016622	0.42	0.678	-.0026424	.0040316
race_i	-.0062884	.0063465	-0.99	0.326	-.0190294	.0064527
race_o	-.0004346	.0022149	-0.20	0.845	-.0048812	.004012
race_mis	-.00594	.0028599	-2.08	0.043	-.0116815	-.0001985
tsd_edu_hs	.004502	.0010103	4.46	0.000	.0024737	.0065302
tsd_edu_mrhs	.0119298	.0017488	6.82	0.000	.0084188	.0154407
tsd_edu_mis	.005296	.0014907	3.55	0.001	.0023033	.0082886
tsd_mie_exp	-.0026614	.0021324	-1.25	0.218	-.0069424	.0016195
tsd_mie_mis	-.0031013	.0029293	-1.06	0.295	-.008982	.0027795
tsd_mie_psbl	-.0027512	.0020896	-1.32	0.194	-.0069463	.0014438
tsd_medicare	-.0028322	.0013228	-2.14	0.037	-.0054878	-.0001766
tsd_medicare_miss	-.0116941	.0042204	-2.77	0.008	-.0201669	-.0032213
tsd_depend_1	-.0025666	.0008953	-2.87	0.006	-.004364	-.0007692
tsd_depend_2	-.0018925	.0007399	-2.56	0.014	-.0033779	-.0004071
tsd_depend_miss	-.0040581	.005893	-0.69	0.494	-.0158887	.0077725
tsd_vrpr	-.7013803	.0123028	-57.01	0.000	-.7260791	-.6766814
tsd_vrpr_miss	-.7362294	.0109501	-67.23	0.000	-.7582126	-.7142462
pdcgroup2	-.0035985	.0018187	-1.98	0.053	-.0072496	.0000527
pdcgroup3	-.004275	.0018842	-2.27	0.028	-.0080577	-.0004923
pdcgroup4	-.0016325	.001473	-1.11	0.273	-.0045896	.0013246
pdcgroup5	.0003374	.0043813	0.08	0.939	-.0084584	.0091332
cohort2000	-.0003116	.0018958	-0.16	0.870	-.0041176	.0034944
cohort2001	.0000574	.003037	0.02	0.985	-.0060397	.0061545
cohort2002	-.0015337	.0048901	-0.31	0.755	-.011351	.0082836
cohort2003	-.0007629	.0063061	-0.12	0.904	-.013423	.0118972
cohort2004	-.0081115	.0092039	-0.88	0.382	-.0265891	.0103661
award_b4_tsd	-.0046154	.0073174	-0.63	0.531	-.0193057	.0100748
diaward_tsd	-.0001477	.000147	-1.00	0.320	-.0004428	.0001474
epeb4twp_flag	-.109313	.0798767	-1.37	0.177	-.2696721	.0510461
ldwb4twp_flag	.0133376	.0242387	0.55	0.585	-.0353235	.0619988
ldwb4epe_flag	.001947	.0180106	0.11	0.914	-.0342108	.0381048
twpb4tsd	.0019403	.0023963	0.81	0.422	-.0028704	.0067511
epeb4tsd	.0057437	.0022019	2.61	0.012	.0013232	.0101642
ldwb4tsd	-.0100695	.0041838	-2.41	0.020	-.0184688	-.0016701
st_AL	-.0144403	.0047054	-3.07	0.003	-.0238869	-.0049938
st_AR	-.0155136	.0037355	-4.15	0.000	-.023013	-.0080142
st_AZ	.0119602	.0046646	2.56	0.013	.0025957	.0213247
st_CA	-.0149121	.0026197	-5.69	0.000	-.0201714	-.0096527
st_CO	-.0061032	.0037092	-1.65	0.106	-.0135497	.0013434
st_CT	-.0243204	.0048272	-5.04	0.000	-.0340115	-.0146294
st_DC	-.0373695	.0022409	-16.68	0.000	-.0418683	-.0328708
st_DE	-.0192376	.0065994	-2.92	0.005	-.0324865	-.0059888
st_FL	-.0286149	.0052324	-5.47	0.000	-.0391193	-.0181105
st_GA	-.022707	.0052261	-4.34	0.000	-.0331987	-.0122152
st_HI	-.0389916	.0079809	-4.89	0.000	-.055014	-.0229693
st_IA	-.0487509	.005424	-8.99	0.000	-.05964	-.0378618
st_ID	-.0160189	.0054714	-2.93	0.005	-.0270033	-.0050345
st_IL	-.0004046	.0026241	-0.15	0.878	-.0056728	.0048635
st_IN	-.0280941	.0041652	-6.74	0.000	-.0364561	-.0197321
st_KS	-.0113108	.0038609	-2.93	0.005	-.0190619	-.0035598

st_KY	-.0366246	.0037778	-9.69	0.000	-.0442089	-.0290403
st_LA	-.0077457	.0038478	-2.01	0.049	-.0154705	-.0000209
st_MA	-.0174838	.0043153	-4.05	0.000	-.0261471	-.0088206
st_MD	-.0234853	.0058216	-4.03	0.000	-.0351726	-.011798
st_ME	-.0151685	.0054939	-2.76	0.008	-.0261979	-.0041391
st_MI	-.0118512	.0019282	-6.15	0.000	-.0157223	-.0079801
st_MN	-.0203086	.0055188	-3.68	0.001	-.0313879	-.0092292
st_MO	-.0070161	.0034996	-2.00	0.050	-.0140418	9.57e-06
st_MS	-.0217528	.0029101	-7.47	0.000	-.0275952	-.0159104
st_MT	-.0078846	.0060663	-1.30	0.200	-.0200632	.004294
st_NC	-.028285	.003896	-7.26	0.000	-.0361066	-.0204635
st_ND	-.0526041	.0080909	-6.50	0.000	-.0688472	-.036361
st_NE	-.0194748	.006554	-2.97	0.005	-.0326325	-.0063171
st_NH	-.0411535	.0066097	-6.23	0.000	-.0544231	-.0278839
st_NJ	-.0225226	.004795	-4.70	0.000	-.0321489	-.0128963
st_NM	-.0176981	.0034435	-5.14	0.000	-.0246112	-.0107849
st_NV	-.0379044	.0057839	-6.55	0.000	-.049516	-.0262928
st_NY	-.0019603	.0033705	-0.58	0.563	-.0087269	.0048063
st_OH	-.012672	.0029915	-4.24	0.000	-.0186776	-.0066664
st_OK	.0004741	.004852	0.10	0.923	-.0092667	.0102149
st_OR	.0181132	.0011865	15.27	0.000	.0157313	.0204951
st_PA	-.018584	.0040742	-4.56	0.000	-.0267633	-.0104047
st_PR	-.0125411	.0061606	-2.04	0.047	-.0249091	-.0001732
st_RI	-.0288479	.0043955	-6.56	0.000	-.0376721	-.0200236
st_SC	-.0332129	.0019552	-16.99	0.000	-.037138	-.0292877
st_SD	-.0469994	.0074905	-6.27	0.000	-.0620372	-.0319616
st_TN	.0135299	.0041352	3.27	0.002	.005228	.0218317
st_TX	-.022092	.0029578	-7.47	0.000	-.0280301	-.0161539
st_UT	-.0062818	.0047878	-1.31	0.195	-.0158936	.00333
st_VA	-.0362093	.0070523	-5.13	0.000	-.0503673	-.0220513
st_VT	-.0733932	.0070531	-10.41	0.000	-.0875528	-.0592336
st_WA	-.0141012	.0027226	-5.18	0.000	-.0195671	-.0086354
st_WI	.0020858	.0048591	0.43	0.670	-.0076693	.0118409
st_WV	-.0216289	.0045588	-4.74	0.000	-.0307811	-.0124768
st_WY	-.0341151	.0066374	-5.14	0.000	-.0474402	-.0207899
tsd_unemp_mean	-.0030659	.0018005	-1.70	0.095	-.0066806	.0005487
tsd_unemp_cng	-.001365	.0010219	-1.34	0.188	-.0034165	.0006865
pial	3.58e-06	6.94e-06	0.52	0.609	-.0000104	.0000175
pia_miss	-.0013081	.0082167	-0.16	0.874	-.0178039	.0151877
ime1	-9.79e-07	1.79e-06	-0.55	0.587	-4.57e-06	2.62e-06
ime_miss	-.0018441	.002859	-0.65	0.522	-.0075837	.0038955
_cons	.803225	.0194337	41.33	0.000	.7642103	.8422398

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

srvroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-.0013811	.0012159	-1.14	0.261	-.0038221	.0010599

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = .0013811

srvroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-4.55e-18	.0012159	-0.00	1.000	-.002441	.002441

(1) imm21_adj = 0

- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 51) = 1.79
 Prob > F = 0.0924

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
 imm28_adj + imm29_adj + imm30_adj = 0

F(1, 51) = 1.29
 Prob > F = 0.2613

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 51) = 1.26
 Prob > F = 0.2886

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.5502
 Root MSE = .14803

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	.0024839	.001559	1.59	0.117	-.000646	.0056137
imm23_adj	.0013793	.0012288	1.12	0.267	-.0010876	.0038462
imm24_adj	-.0005259	.0012343	-0.43	0.672	-.0030039	.0019521
imm25_adj	-.0013579	.0011858	-1.15	0.257	-.0037386	.0010227
imm26_adj	-.0006281	.0012345	-0.51	0.613	-.0031063	.0018502
imm27_adj	-.0003158	.001346	-0.23	0.815	-.0030181	.0023865
imm28_adj	-.0013947	.0020463	-0.68	0.499	-.0055028	.0027134
imm29_adj	.0010362	.0015611	0.66	0.510	-.0020978	.0041703
imm30_adj	-.0004302	.0011617	-0.37	0.713	-.0027624	.001902
male	.0011785	.0011732	1.00	0.320	-.0011768	.0035338
gendermiss_flag	.1827325	.1427269	1.28	0.206	-.1038036	.4692687
tsd_age	-.0005784	.0001121	-5.16	0.000	-.0008034	-.0003535
doage2	-9.46e-06	.0000794	-0.12	0.906	-.0001689	.00015
doage2miss_flag	-.010742	.0037529	-2.86	0.006	-.0182763	-.0032076
race_a	-.0016956	.0028544	-0.59	0.555	-.007426	.0040349
race_b	.003746	.0014633	2.56	0.013	.0008082	.0066837
race_h	.0002659	.0018838	0.14	0.888	-.0035159	.0040478
race_i	-.003776	.0054654	-0.69	0.493	-.0147482	.0071963
race_o	-.00067	.0024354	-0.28	0.784	-.0055593	.0042192

race_mis	-.0064063	.0030782	-2.08	0.042	-.012586	-.0002266
tsd_edu_hs	.0061674	.0011526	5.35	0.000	.0038534	.0084813
tsd_edu_mrhs	.0145466	.0021342	6.82	0.000	.0102621	.0188312
tsd_edu_mis	.0065509	.0016049	4.08	0.000	.003329	.0097728
tsd_mie_exp	-.0029385	.0029783	-0.99	0.328	-.0089178	.0030408
tsd_mie_mis	-.003779	.0023358	-1.62	0.112	-.0084683	.0009102
tsd_mie_psbl	-.0033625	.0016723	-2.01	0.050	-.0067198	-5.20e-06
tsd_medicare	-.001665	.0015618	-1.07	0.291	-.0048004	.0014705
tsd_medicare_miss	-.0154445	.0035163	-4.39	0.000	-.0225039	-.0083852
tsd_depend_1	-.0024032	.0008025	-2.99	0.004	-.0040142	-.0007921
tsd_depend_2	-.0024807	.0008936	-2.78	0.008	-.0042746	-.0006868
tsd_depend_miss	-.0068766	.0055532	-1.24	0.221	-.0180252	.0042719
tsd_vrpr	-.8662605	.0088384	-98.01	0.000	-.8840042	-.8485167
tsd_vrpr_miss	-.9089513	.0063311	-143.57	0.000	-.9216617	-.896241
pdcgrou2	-.0039817	.0017769	-2.24	0.029	-.007549	-.0004145
pdcgrou3	-.0040311	.0016649	-2.42	0.019	-.0073734	-.0006887
pdcgrou4	-.0009579	.0013213	-0.72	0.472	-.0036106	.0016947
pdcgrou5	-.0115164	.0026016	-4.43	0.000	-.0167394	-.0062934
cohort2000	-.00315	.0014584	-2.16	0.036	-.0060779	-.0002222
cohort2001	-.0032723	.0021729	-1.51	0.138	-.0076346	.00109
cohort2002	-.0061532	.0033197	-1.85	0.070	-.0128179	.0005114
cohort2003	-.0067265	.0047654	-1.41	0.164	-.0162935	.0028405
cohort2004	-.0035634	.0089952	-0.40	0.694	-.021622	.0144953
award_b4_tsd	-.0062008	.0076191	-0.81	0.420	-.0214968	.0090952
diaward_tsd	-.0003339	.0001226	-2.72	0.009	-.00058	-.0000878
epeb4twp_flag	-.1708192	.0974159	-1.75	0.086	-.3663896	.0247513
ldwb4twp_flag	.0792108	.0639067	1.24	0.221	-.0490873	.2075088
ldwb4epe_flag	.0192146	.0138803	1.38	0.172	-.0086512	.0470805
twpb4tsd	.0038031	.0021238	1.79	0.079	-.0004606	.0080668
epeb4tsd	.0116147	.0021572	5.38	0.000	.0072841	.0159454
ldwb4tsd	-.0168054	.0041932	-4.01	0.000	-.0252236	-.0083873
st_AL	.0128647	.0053091	2.42	0.019	.0022062	.0235231
st_AR	.0143232	.004406	3.25	0.002	.0054778	.0231685
st_AZ	.0464113	.0055383	8.38	0.000	.0352927	.0575299
st_CA	.0133639	.0027841	4.80	0.000	.0077746	.0189531
st_CO	.0145727	.0044297	3.29	0.002	.0056797	.0234657
st_CT	.037269	.0055804	6.68	0.000	.0260658	.0484721
st_DC	-.0184341	.0018215	-10.12	0.000	-.022091	-.0147773
st_DE	.0176552	.0085799	2.06	0.045	.0004303	.03488
st_FL	.0079813	.0063181	1.26	0.212	-.0047028	.0206655
st_GA	.0165828	.0062682	2.65	0.011	.003999	.0291667
st_HI	-.0122704	.0095636	-1.28	0.205	-.0314701	.0069293
st_IA	-.0015418	.0064682	-0.24	0.813	-.0145273	.0114438
st_ID	.0108012	.0069345	1.56	0.126	-.0031204	.0247229
st_IL	.03888	.0028058	13.86	0.000	.0332472	.0445129
st_IN	.018961	.0049561	3.83	0.000	.0090113	.0289107
st_KS	.0046428	.0042855	1.08	0.284	-.0039607	.0132463
st_KY	.0032323	.0041869	0.77	0.444	-.0051733	.0116378
st_LA	.0122237	.0042337	2.89	0.006	.0037242	.0207232
st_MA	.026177	.0050181	5.22	0.000	.0161029	.0362512
st_MD	.0063003	.0072436	0.87	0.388	-.0082418	.0208423
st_ME	.0087927	.0064963	1.35	0.182	-.0042491	.0218345
st_MI	.0190843	.0016752	11.39	0.000	.0157213	.0224473
st_MN	.0111813	.006812	1.64	0.107	-.0024944	.024857
st_MO	.0364833	.0040514	9.01	0.000	.0283497	.0446169
st_MS	.0145793	.0028164	5.18	0.000	.0089252	.0202335
st_MT	.0347874	.0079293	4.39	0.000	.0188687	.050706
st_NC	-.0063023	.0044557	-1.41	0.163	-.0152475	.0026429
st_ND	-.0311803	.0106014	-2.94	0.005	-.0524634	-.0098972
st_NE	.0130876	.0082021	1.60	0.117	-.0033789	.029554
st_NH	-.0303045	.0082751	-3.66	0.001	-.0469174	-.0136916
st_NJ	.005032	.0056307	0.89	0.376	-.0062721	.016336
st_NM	.0214753	.0040705	5.28	0.000	.0133035	.0296471

st_NV	-.009025	.0068074	-1.33	0.191	-.0226914	.0046415
st_NY	.0320288	.003778	8.48	0.000	.0244443	.0396134
st_OH	.0147819	.003169	4.66	0.000	.0084199	.0211438
st_OK	.0219322	.0058797	3.73	0.000	.0101281	.0337362
st_OR	.033647	.001192	28.23	0.000	.0312539	.03604
st_PA	.0068466	.0046923	1.46	0.151	-.0025735	.0162667
st_PR	.0117364	.0079686	1.47	0.147	-.0042612	.027734
st_RI	-.006291	.0051138	-1.23	0.224	-.0165574	.0039754
st_SC	.0011133	.0017742	0.63	0.533	-.0024485	.0046751
st_SD	.0835023	.0092318	9.05	0.000	.0649686	.1020359
st_TN	.0447986	.0046615	9.61	0.000	.0354404	.0541569
st_TX	.0037859	.0033961	1.11	0.270	-.0030321	.0106039
st_UT	.0259754	.0059117	4.39	0.000	.0141072	.0378437
st_VA	-.007881	.0084167	-0.94	0.354	-.0247781	.0090161
st_VT	-.0129035	.0085769	-1.50	0.139	-.0301222	.0043153
st_WA	.0074363	.0029119	2.55	0.014	.0015905	.0132822
st_WI	.0255876	.0057852	4.42	0.000	.0139732	.0372019
st_WV	-.0001976	.0050589	-0.04	0.969	-.0103537	.0099585
st_WY	-.0115302	.0084336	-1.37	0.178	-.0284615	.005401
tsd_unemp_mean	-.002632	.0023492	-1.12	0.268	-.0073482	.0020841
tsd_unemp_cng	-.0018437	.0010426	-1.77	0.083	-.0039368	.0002494
pial	-7.25e-06	6.53e-06	-1.11	0.272	-.0000204	5.85e-06
pia_miss	-.0056743	.0070886	-0.80	0.427	-.0199052	.0085565
ime1	1.69e-06	1.61e-06	1.05	0.299	-1.54e-06	4.92e-06
ime_miss	-.0006976	.0027697	-0.25	0.802	-.006258	.0048628
_cons	.9639344	.0189457	50.88	0.000	.9258994	1.001969

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

srvroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0002468	.0014037	-0.18	0.861	-.0030648 .0025712

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = .0002468

srvroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-9.60e-18	.0014037	-0.00	1.000	-.002818 .002818

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 51) = 1.19
 Prob > F = 0.3214

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 51) = 0.03

Prob > F = 0.8611

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 51) = 0.83
 Prob > F = 0.5639

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.5514
 Root MSE = .15507

(Std. Err. adjusted for 52 clusters in tsd_state)

-----	-----	-----	-----	-----	-----	-----
srvroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
-----	-----	-----	-----	-----	-----	-----
imm21_adj	.0026315	.0014623	1.80	0.078	-.0003042	.0055673
imm23_adj	.0005525	.0011259	0.49	0.626	-.0017078	.0028128
imm24_adj	-.0004399	.0011902	-0.37	0.713	-.0028293	.0019495
imm25_adj	-.0002833	.0010664	-0.27	0.792	-.0024241	.0018576
imm26_adj	-.001542	.0010884	-1.42	0.163	-.003727	.000643
imm27_adj	.0002714	.0011308	0.24	0.811	-.0019988	.0025415
imm28_adj	-.0006724	.0014238	-0.47	0.639	-.0035307	.0021859
imm29_adj	.000904	.001428	0.63	0.530	-.0019628	.0037707
imm30_adj	-.0009319	.0011997	-0.78	0.441	-.0033403	.0014765
male	.001247	.0013107	0.95	0.346	-.0013844	.0038785
gendermiss_flag	.1801229	.1426775	1.26	0.213	-.1063142	.4665599
tsd_age	-.0005633	.0001217	-4.63	0.000	-.0008075	-.000319
doage2	-.0001551	.0000927	-1.67	0.100	-.0003411	.0000309
doage2miss_flag	-.0107342	.003691	-2.91	0.005	-.0181442	-.0033241
race_a	-.0023163	.0041221	-0.56	0.577	-.0105919	.0059592
race_b	.0037368	.0015093	2.48	0.017	.0007068	.0067668
race_h	-.0005206	.0019985	-0.26	0.796	-.0045328	.0034915
race_i	-.0050601	.0050383	-1.00	0.320	-.0151748	.0050547
race_o	-.0019999	.0025868	-0.77	0.443	-.0071931	.0031933
race_mis	-.0073673	.0038225	-1.93	0.060	-.0150412	.0003066
tsd_edu_hs	.0071605	.0012698	5.64	0.000	.0046113	.0097096
tsd_edu_mrhs	.0165717	.0028017	5.91	0.000	.0109471	.0221964
tsd_edu_mis	.0077494	.0022175	3.49	0.001	.0032975	.0122013
tsd_mie_exp	-.0012217	.0026751	-0.46	0.650	-.0065921	.0041487
tsd_mie_mis	-.0033021	.0024533	-1.35	0.184	-.0082274	.0016232
tsd_mie_psbl	-.0026395	.0017097	-1.54	0.129	-.0060719	.000793
tsd_medicare	-.003402	.001463	-2.33	0.024	-.0063391	-.000465
tsd_medicare_miss	-.0162604	.0024685	-6.59	0.000	-.021216	-.0113047
tsd_depend_1	-.0020921	.0012954	-1.61	0.112	-.0046928	.0005086
tsd_depend_2	-.0027747	.0010947	-2.53	0.014	-.0049725	-.000577
tsd_depend_miss	-.0066441	.0060814	-1.09	0.280	-.018853	.0055647
tsd_vrpr	-.9059976	.0072571	-124.84	0.000	-.9205667	-.8914284
tsd_vrpr_miss	-.9533099	.004222	-225.80	0.000	-.9617859	-.9448339
pdcgroup2	-.0038847	.0017604	-2.21	0.032	-.0074189	-.0003504
pdcgroup3	-.0039456	.0021513	-1.83	0.072	-.0082644	.0003732

pdcgrou4	-.0014368	.0015776	-0.91	0.367	-.004604	.0017304
pdcgrou5	-.0166528	.0029214	-5.70	0.000	-.0225177	-.0107879
cohort2000	-.0027219	.001438	-1.89	0.064	-.0056089	.0001651
cohort2001	-.0030948	.0021373	-1.45	0.154	-.0073856	.001196
cohort2002	-.0063729	.0024812	-2.57	0.013	-.0113542	-.0013916
cohort2003	-.0081298	.0040936	-1.99	0.052	-.016348	.0000884
cohort2004	-.0046042	.0090799	-0.51	0.614	-.0228328	.0136243
award_b4_tsd	-.0089769	.0074315	-1.21	0.233	-.0238963	.0059424
diaward_tsd	-.0003977	.0001067	-3.73	0.000	-.0006119	-.0001834
epeb4twp_flag	-.0679042	.0318835	-2.13	0.038	-.131913	-.0038953
ldwb4twp_flag	.0477291	.0586504	0.81	0.420	-.0700166	.1654748
ldwb4epe_flag	.0182939	.0133173	1.37	0.176	-.0084418	.0450295
twpb4tsd	.0039992	.0020581	1.94	0.058	-.0001326	.0081309
epeb4tsd	.0143212	.0026205	5.47	0.000	.0090604	.019582
ldwb4tsd	-.0190152	.003727	-5.10	0.000	-.0264973	-.011533
st_AL	.0187104	.006321	2.96	0.005	.0060204	.0314004
st_AR	.0169477	.0050335	3.37	0.001	.0068425	.0270529
st_AZ	.05418	.0064472	8.40	0.000	.0412367	.0671232
st_CA	.0220106	.0032848	6.70	0.000	.015416	.0286052
st_CO	.0183863	.005007	3.67	0.001	.0083342	.0284383
st_CT	.045269	.0066035	6.86	0.000	.0320121	.058526
st_DC	-.0155461	.0019626	-7.92	0.000	-.0194862	-.011606
st_DE	.0744906	.0097916	7.61	0.000	.0548331	.094148
st_FL	.025038	.007381	3.39	0.001	.01022	.039856
st_GA	.0239362	.007466	3.21	0.002	.0089476	.0389249
st_HI	-.0097658	.0111877	-0.87	0.387	-.032226	.0126943
st_IA	.0144457	.007486	1.93	0.059	-.0005831	.0294746
st_ID	.0151943	.0077724	1.95	0.056	-.0004094	.0307981
st_IL	.0507935	.0033128	15.33	0.000	.0441428	.0574441
st_IN	.0268687	.0058302	4.61	0.000	.015164	.0385734
st_KS	.0430993	.0050426	8.55	0.000	.0329759	.0532226
st_KY	.0099657	.0049688	2.01	0.050	-9.70e-06	.019941
st_LA	.0240012	.005166	4.65	0.000	.0136301	.0343724
st_MA	.0372827	.0058998	6.32	0.000	.0254383	.0491272
st_MD	.0101307	.0083933	1.21	0.233	-.0067196	.026981
st_ME	.0131347	.0075862	1.73	0.089	-.0020952	.0283646
st_MI	.0291974	.0022194	13.16	0.000	.0247418	.033653
st_MN	.0216448	.0077444	2.79	0.007	.0060972	.0371923
st_MO	.0382124	.0047384	8.06	0.000	.0286998	.0477251
st_MS	.030994	.0038062	8.14	0.000	.0233527	.0386352
st_MT	.0759823	.0090932	8.36	0.000	.057727	.0942376
st_NC	-.0017022	.0051829	-0.33	0.744	-.0121072	.0087029
st_ND	-.0304033	.0115318	-2.64	0.011	-.0535543	-.0072523
st_NE	.0226624	.0094273	2.40	0.020	.0037363	.0415884
st_NH	-.0311893	.0095621	-3.26	0.002	-.050386	-.0119926
st_NJ	.0075638	.0065165	1.16	0.251	-.0055186	.0206463
st_NM	.0248098	.0047414	5.23	0.000	.0152909	.0343286
st_NV	.0281866	.0079985	3.52	0.001	.012129	.0442442
st_NY	.0405314	.0043304	9.36	0.000	.0318378	.049225
st_OH	.0242908	.0038392	6.33	0.000	.0165833	.0319982
st_OK	.0251604	.006654	3.78	0.000	.0118019	.0385189
st_OR	.0569721	.0013837	41.17	0.000	.0541943	.0597499
st_PA	.0132309	.0054701	2.42	0.019	.0022491	.0242127
st_PR	.0222259	.0090091	2.47	0.017	.0041394	.0403123
st_RI	-.000031	.005854	-0.01	0.996	-.0117833	.0117214
st_SC	.0129822	.0024873	5.22	0.000	.0079887	.0179757
st_SD	.0845631	.0104597	8.08	0.000	.0635644	.1055618
st_TN	.0514569	.0055662	9.24	0.000	.0402822	.0626315
st_TX	.0110492	.0039685	2.78	0.008	.0030821	.0190163
st_UT	.0378992	.0066292	5.72	0.000	.0245906	.0512078
st_VA	.0001117	.0098359	0.01	0.991	-.0196347	.0198581
st_VT	-.0124743	.0097349	-1.28	0.206	-.0320179	.0070693
st_WA	.0128458	.0033448	3.84	0.000	.0061308	.0195607

st_WI	.045621	.0065626	6.95	0.000	.032446	.058796
st_WV	.0053658	.0059779	0.90	0.374	-.0066353	.0173669
st_WY	-.0026168	.0095475	-0.27	0.785	-.0217842	.0165506
tsd_unemp_mean	-.0032339	.0026942	-1.20	0.236	-.0086427	.002175
tsd_unemp_cng	-.0013638	.0009615	-1.42	0.162	-.003294	.0005664
pial	-.0000116	6.68e-06	-1.73	0.090	-.000025	1.85e-06
pia_miss	-.013218	.0070987	-1.86	0.068	-.0274693	.0010333
ime1	2.38e-06	1.51e-06	1.58	0.121	-6.55e-07	5.42e-06
ime_miss	.0009729	.0024161	0.40	0.689	-.0038776	.0058234
_cons	1.015395	.0219519	46.26	0.000	.971325	1.059466

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

srvroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0004899	.0016314	-0.30	0.765	-.0037651 .0027853

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = .0004899

srvroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	1.92e-17	.0016314	0.00	1.000	-.0032752 .0032752

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 51) = 1.02
 Prob > F = 0.4370

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 51) = 0.09
 Prob > F = 0.7652

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 51) = 1.14
 Prob > F = 0.3562

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.4182
 Root MSE = 1.1187

(Std. Err. adjusted for 52 clusters in tsd_state)

nstwl2	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	-.0045293	.0095318	-0.48	0.637	-.0236652	.0146066
imm23_adj	.015609	.0082081	1.90	0.063	-.0008694	.0320873
imm24_adj	-.0097037	.0068754	-1.41	0.164	-.0235066	.0040992
imm25_adj	-.003788	.0092618	-0.41	0.684	-.0223819	.0148059
imm26_adj	-.0007562	.0068686	-0.11	0.913	-.0145454	.013033
imm27_adj	-.0251178	.0089759	-2.80	0.007	-.0431378	-.0070979
imm28_adj	.0119232	.0114514	1.04	0.303	-.0110664	.0349129
imm29_adj	.0035043	.0057311	0.61	0.544	-.0080015	.01501
imm30_adj	.0115202	.0092092	1.25	0.217	-.006968	.0300085
male	.0040565	.0062628	0.65	0.520	-.0085166	.0166295
gendermiss_flag	-.0766974	.0377217	-2.03	0.047	-.1524268	-.0009679
tsd_age	-.0018292	.000724	-2.53	0.015	-.0032827	-.0003757
doage2	-.0003122	.000634	-0.49	0.624	-.0015851	.0009606
doage2miss_flag	3.62847	.1892634	19.17	0.000	3.248508	4.008432
race_a	-.0195965	.0169433	-1.16	0.253	-.0536115	.0144186
race_b	.0217281	.0113988	1.91	0.062	-.0011559	.0446121
race_h	.0462515	.0149836	3.09	0.003	.0161707	.0763324
race_i	.0430019	.0388273	1.11	0.273	-.0349472	.1209511
race_o	.006375	.0354645	0.18	0.858	-.064823	.077573
race_mis	.0826433	.0268109	3.08	0.003	.0288182	.1364684
tsd_edu_hs	.0043078	.0070165	0.61	0.542	-.0097785	.0183941
tsd_edu_mrhs	.023574	.0077635	3.04	0.004	.007988	.0391599
tsd_edu_mis	.0290862	.0087448	3.33	0.002	.0115301	.0466422
tsd_mie_exp	-.0033783	.0218079	-0.15	0.878	-.0471595	.0404028
tsd_mie_mis	-.0242946	.0102878	-2.36	0.022	-.0449482	-.003641
tsd_mie_psbl	-.0130937	.0090035	-1.45	0.152	-.0311689	.0049815
tsd_medicare	-.0346438	.0123223	-2.81	0.007	-.0593818	-.0099058
tsd_medicare_miss	-.0147498	.0174819	-0.84	0.403	-.0498462	.0203466
tsd_depend_1	-.0320266	.0063012	-5.08	0.000	-.0446768	-.0193764
tsd_depend_2	-.0111403	.0070136	-1.59	0.118	-.0252207	.00294
tsd_depend_miss	.0875107	.0303496	2.88	0.006	.0265813	.1484401
tsd_vrpr	.0883024	.0257445	3.43	0.001	.036618	.1399867
tsd_vrpr_miss	.1291195	.0204789	6.31	0.000	.0880065	.1702326
pdcgrou2	-.0113135	.0064964	-1.74	0.088	-.0243555	.0017286
pdcgrou3	.0394503	.0091776	4.30	0.000	.0210255	.0578752
pdcgrou4	.0239458	.0092378	2.59	0.012	.0054001	.0424914
pdcgrou5	-.0191036	.0756656	-0.25	0.802	-.1710085	.1328014
cohort2000	.0353926	.0326945	1.08	0.284	-.0302444	.1010295
cohort2001	.1003301	.044766	2.24	0.029	.0104586	.1902016
cohort2002	.1010732	.0696312	1.45	0.153	-.0387174	.2408638
cohort2003	.0296528	.0738758	0.40	0.690	-.1186592	.1779647
cohort2004	.1144602	.0730523	1.57	0.123	-.0321984	.2611188
award_b4_tsd	-.0027835	.0171474	-0.16	0.872	-.0372082	.0316413
diaward_tsd	-.0017345	.0011874	-1.46	0.150	-.0041183	.0006494
epeb4twp_flag	.0859549	.5702505	0.15	0.881	-1.058871	1.230781
ldwb4twp_flag	-1.776422	.4335217	-4.10	0.000	-2.646753	-.9060908
ldwb4epe_flag	1.030418	.2674193	3.85	0.000	.4935509	1.567284
twpb4tsd	.842937	.069203	12.18	0.000	.7040062	.9818679
epeb4tsd	.4925831	.0681263	7.23	0.000	.3558138	.6293523
ldwb4tsd	5.074753	.140841	36.03	0.000	4.792003	5.357503
st_AL	.0771432	.037332	2.07	0.044	.002196	.1520904

st_AR	-.06128	.0283601	-2.16	0.035	-.1182152	-.0043447
st_AZ	-.1226017	.0388419	-3.16	0.003	-.2005801	-.0446234
st_CA	.0956612	.0220947	4.33	0.000	.0513043	.1400181
st_CO	-.0794946	.0317295	-2.51	0.015	-.1431941	-.0157951
st_CT	-.179805	.0404888	-4.44	0.000	-.2610897	-.0985203
st_DC	-.0178151	.0328695	-0.54	0.590	-.0838035	.0481732
st_DE	-.2920933	.0560623	-5.21	0.000	-.404643	-.1795436
st_FL	-.0761127	.0415623	-1.83	0.073	-.1595525	.0073271
st_GA	.042085	.043	0.98	0.332	-.0442411	.128411
st_HI	.1167244	.0642661	1.82	0.075	-.0122952	.2457441
st_IA	-.062128	.0430931	-1.44	0.155	-.1486409	.024385
st_ID	.0868479	.0436328	1.99	0.052	-.0007487	.1744445
st_IL	-.0654492	.0237592	-2.75	0.008	-.1131478	-.0177505
st_IN	.0206388	.0332515	0.62	0.538	-.0461164	.087394
st_KS	.068218	.0290042	2.35	0.023	.0099897	.1264463
st_KY	.0637365	.02924	2.18	0.034	.0050347	.1224382
st_LA	-.0884223	.0301054	-2.94	0.005	-.1488614	-.0279832
st_MA	-.0868506	.0353577	-2.46	0.017	-.1578341	-.0158671
st_MD	.1532822	.0486132	3.15	0.003	.0556872	.2508773
st_ME	.0641641	.0436897	1.47	0.148	-.0235466	.1518749
st_MI	-.0642426	.0119039	-5.40	0.000	-.0881408	-.0403445
st_MN	.0303913	.044654	0.68	0.499	-.0592554	.120038
st_MO	-.0400673	.0282433	-1.42	0.162	-.096768	.0166334
st_MS	-.061609	.0201131	-3.06	0.003	-.1019877	-.0212302
st_MT	-.0245522	.0586885	-0.42	0.677	-.1423744	.0932699
st_NC	.0483325	.0302985	1.60	0.117	-.0124944	.1091593
st_ND	-.1802245	.066677	-2.70	0.009	-.3140842	-.0463648
st_NE	.0090169	.0539212	0.17	0.868	-.0992345	.1172683
st_NH	-.0149291	.0549287	-0.27	0.787	-.1252031	.0953449
st_NJ	-.0818	.0398923	-2.05	0.045	-.1618872	-.0017128
st_NM	-.1967545	.0313094	-6.28	0.000	-.2596107	-.1338983
st_NV	-.0587276	.0461046	-1.27	0.209	-.1512865	.0338313
st_NY	-.1170897	.0273593	-4.28	0.000	-.1720159	-.0621636
st_OH	.0389048	.0232496	1.67	0.100	-.0077708	.0855804
st_OK	.0008472	.037736	0.02	0.982	-.074911	.0766053
st_OR	-.1609687	.0143059	-11.25	0.000	-.1896891	-.1322484
st_PA	.091435	.0317714	2.88	0.006	.0276512	.1552188
st_PR	.0072577	.0462204	0.16	0.876	-.0855336	.100049
st_RI	.1359247	.0343889	3.95	0.000	.0668861	.2049634
st_SC	.0073116	.0123695	0.59	0.557	-.0175212	.0321445
st_SD	-.4103942	.0608602	-6.74	0.000	-.5325762	-.2882122
st_TN	.0550302	.0323041	1.70	0.095	-.009823	.1198834
st_TX	.0899337	.0248497	3.62	0.001	.0400457	.1398216
st_UT	.0570677	.0378088	1.51	0.137	-.0188366	.132972
st_VA	-.0186231	.0551249	-0.34	0.737	-.129291	.0920448
st_VT	.0184952	.0553079	0.33	0.739	-.09254	.1295303
st_WA	.0646739	.0223059	2.90	0.006	.019893	.1094548
st_WI	-.1488221	.0380158	-3.91	0.000	-.2251419	-.0725023
st_WV	.0783143	.0344182	2.28	0.027	.0092169	.1474117
st_WY	.1785348	.0565245	3.16	0.003	.0650571	.2920124
tsd_unemp_mean	.0070224	.0148444	0.47	0.638	-.022779	.0368238
tsd_unemp_cng	.0055887	.0066163	0.84	0.402	-.0076941	.0188715
pia1	.0000921	.0000531	1.73	0.089	-.0000145	.0001987
pia_miss	-.0882328	.0607657	-1.45	0.153	-.2102251	.0337595
ime1	-4.67e-06	.0000172	-0.27	0.787	-.0000392	.0000299
ime_miss	.0118668	.0250561	0.47	0.638	-.0384354	.062169
_cons	-.2096955	.1382658	-1.52	0.136	-.4872758	.0678847

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj -
imm28_adj - imm29_adj - imm30_adj = 0

nstw12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	.0013384	.0067672	0.20	0.844	-.0122474	.0149241

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj =
-.0013384

nstw12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-3.30e-17	.0067672	-0.00	1.000	-.0135858	.0135858

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 51) = 5.03
Prob > F = 0.0001

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 51) = 0.04
Prob > F = 0.8440

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 51) = 5.01
Prob > F = 0.0002

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH3_unemp.xls
dir : seeout

Linear regression

Number of obs = 114377
F(50, 51) = .
Prob > F = .
R-squared = 0.3596
Root MSE = 2.5223

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	-.0134346	.0210807	-0.64	0.527	-.055756	.0288867
imm23_adj	.0428915	.0174512	2.46	0.017	.0078567	.0779262
imm24_adj	-.0217964	.0177167	-1.23	0.224	-.0573641	.0137714

imm25_adj	-.0005854	.0207729	-0.03	0.978	-.0422887	.0411179
imm26_adj	-.0099684	.020172	-0.49	0.623	-.0504653	.0305285
imm27_adj	-.0364448	.0224693	-1.62	0.111	-.0815538	.0086643
imm28_adj	.0222824	.0266513	0.84	0.407	-.0312222	.0757871
imm29_adj	.0029627	.0164141	0.18	0.857	-.0299901	.0359154
imm30_adj	.0119671	.0214222	0.56	0.579	-.0310397	.0549739
male	.0476407	.0155704	3.06	0.004	.0163818	.0788996
gendermiss_flag	-.2459096	.1013427	-2.43	0.019	-.4493636	-.0424556
tsd_age	-.0088352	.001813	-4.87	0.000	-.012475	-.0051955
doage2	-.0014967	.0010576	-1.42	0.163	-.0036201	.0006266
doage2miss_flag	7.389489	.374227	19.75	0.000	6.638197	8.140781
race_a	.0111961	.0558001	0.20	0.842	-.1008272	.1232194
race_b	.0570806	.0275438	2.07	0.043	.0017842	.112377
race_h	.1132973	.0289034	3.92	0.000	.0552714	.1713232
race_i	.037134	.0955721	0.39	0.699	-.154735	.2290031
race_o	.1270159	.0644283	1.97	0.054	-.0023294	.2563612
race_mis	.17475	.068862	2.54	0.014	.0365036	.3129963
tsd_edu_hs	.0520949	.0173023	3.01	0.004	.0173591	.0868307
tsd_edu_mrhs	.1502689	.0246611	6.09	0.000	.1007598	.199778
tsd_edu_mis	.1156048	.0160996	7.18	0.000	.0832835	.1479262
tsd_mie_exp	-.0030938	.0446325	-0.07	0.945	-.0926974	.0865097
tsd_mie_mis	-.0546176	.02508	-2.18	0.034	-.1049677	-.0042675
tsd_mie_psbl	-.0342989	.0269567	-1.27	0.209	-.0884168	.019819
tsd_medicare	-.0962431	.0247524	-3.89	0.000	-.1459357	-.0465506
tsd_medicare_miss	-.1552968	.0494657	-3.14	0.003	-.2546033	-.0559903
tsd_depend_1	-.0897473	.0128647	-6.98	0.000	-.1155742	-.0639204
tsd_depend_2	-.0365544	.0179945	-2.03	0.047	-.0726798	-.000429
tsd_depend_miss	.171583	.0573701	2.99	0.004	.0564076	.2867583
tsd_vrpr	.2468625	.0702302	3.52	0.001	.1058695	.3878554
tsd_vrpr_miss	.2791331	.0499544	5.59	0.000	.1788455	.3794207
pdcgroup2	-.0654501	.0158958	-4.12	0.000	-.0973623	-.0335378
pdcgroup3	.1191902	.0213609	5.58	0.000	.0763064	.1620741
pdcgroup4	.0647679	.0169015	3.83	0.000	.0308366	.0986992
pdcgroup5	-.0046638	.1634333	-0.03	0.977	-.3327699	.3234423
cohort2000	.059674	.0739388	0.81	0.423	-.0887643	.2081123
cohort2001	.1926482	.0854001	2.26	0.028	.0212005	.364096
cohort2002	.1964291	.1351915	1.45	0.152	-.0749792	.4678374
cohort2003	.1294575	.1524944	0.85	0.400	-.1766878	.4356027
cohort2004	.420254	.2241632	1.87	0.067	-.0297725	.8702804
award_b4_tsd	-.0603211	.0439073	-1.37	0.176	-.1484687	.0278266
diaward_tsd	-.0048832	.0023783	-2.05	0.045	-.0096578	-.0001086
epeb4twp_flag	-.4233036	1.108562	-0.38	0.704	-2.648835	1.802227
ldwb4twp_flag	-2.945057	.8735766	-3.37	0.001	-4.698835	-1.191279
ldwb4epe_flag	3.182061	.4644484	6.85	0.000	2.249642	4.11448
twpb4tsd	2.553828	.2029115	12.59	0.000	2.146466	2.961189
epeb4tsd	.7733839	.1220508	6.34	0.000	.5283566	1.018411
ldwb4tsd	9.272766	.26791	34.61	0.000	8.734915	9.810618
st_AL	.1461381	.0755023	1.94	0.058	-.0054391	.2977153
st_AR	-.0332581	.0579024	-0.57	0.568	-.1495022	.0829859
st_AZ	-.186176	.0806659	-2.31	0.025	-.3481196	-.0242325
st_CA	.3206852	.0492483	6.51	0.000	.2218152	.4195553
st_CO	-.2072611	.0719145	-2.88	0.006	-.3516355	-.0628867
st_CT	-.1841746	.0869524	-2.12	0.039	-.3587389	-.0096103
st_DC	-.291657	.0664641	-4.39	0.000	-.4250891	-.1582248
st_DE	-.565165	.11449	-4.94	0.000	-.7950133	-.3353167
st_FL	-.2408416	.0872846	-2.76	0.008	-.4160728	-.0656104
st_GA	-.0498691	.0897062	-0.56	0.581	-.2299618	.1302235
st_HI	.1609924	.1398519	1.15	0.255	-.1197721	.4417569
st_IA	-.3085903	.0933281	-3.31	0.002	-.4959542	-.1212263
st_ID	.1522871	.0950516	1.60	0.115	-.0385369	.3431111
st_IL	-.2163868	.0516528	-4.19	0.000	-.3200841	-.1126896
st_IN	.0149402	.066998	0.22	0.824	-.1195639	.1494442
st_KS	-.0833207	.0597792	-1.39	0.169	-.2033323	.036691

st_KY	.0747045	.0590834	1.26	0.212	-.0439104	.1933195
st_LA	-.1756913	.062151	-2.83	0.007	-.3004647	-.0509179
st_MA	-.2337824	.0720667	-3.24	0.002	-.3784623	-.0891026
st_MD	.3371982	.1006452	3.35	0.002	.1351446	.5392518
st_ME	.1411269	.090526	1.56	0.125	-.0406117	.3228655
st_MI	.0078682	.0251547	0.31	0.756	-.0426319	.0583683
st_MN	.0801945	.0965795	0.83	0.410	-.113697	.274086
st_MO	-.0617177	.0612528	-1.01	0.318	-.1846878	.0612523
st_MS	-.0443763	.0428141	-1.04	0.305	-.1303292	.0415765
st_MT	-.0973233	.1249882	-0.78	0.440	-.3482476	.153601
st_NC	.1137924	.0626282	1.82	0.075	-.0119391	.2395238
st_ND	-.7178578	.1502269	-4.78	0.000	-1.019451	-.4162648
st_NE	-.0323944	.1140872	-0.28	0.778	-.261434	.1966453
st_NH	-.0499423	.1145634	-0.44	0.665	-.2799379	.1800533
st_NJ	-.2905608	.0846336	-3.43	0.001	-.4604699	-.1206517
st_NM	-.5293336	.0732221	-7.23	0.000	-.6763331	-.3823341
st_NV	-.2673431	.0951356	-2.81	0.007	-.4583358	-.0763503
st_NY	-.2493365	.0596686	-4.18	0.000	-.3691263	-.1295467
st_OH	.1463291	.0503961	2.90	0.005	.0451548	.2475034
st_OK	-.1237704	.0787421	-1.57	0.122	-.2818517	.034311
st_OR	-.1835357	.0294802	-6.23	0.000	-.2427197	-.1243517
st_PA	.2263832	.0671375	3.37	0.001	.091599	.3611673
st_PR	.2350121	.0966221	2.43	0.019	.0410351	.4289892
st_RI	.3619982	.073202	4.95	0.000	.2150391	.5089574
st_SC	.0302597	.0234251	1.29	0.202	-.0167681	.0772875
st_SD	-1.177147	.1227972	-9.59	0.000	-1.423673	-.9306217
st_TN	.0864993	.0646445	1.34	0.187	-.0432799	.2162785
st_TX	.2583101	.0554382	4.66	0.000	.1470133	.3696069
st_UT	.1404583	.0806177	1.74	0.087	-.0213885	.3023051
st_VA	-.0830664	.1116432	-0.74	0.460	-.3071994	.1410667
st_VT	-.3090077	.110864	-2.79	0.007	-.5315765	-.0864389
st_WA	.2544664	.0486269	5.23	0.000	.1568438	.352089
st_WI	-.3332181	.0824226	-4.04	0.000	-.4986884	-.1677479
st_WV	.1794812	.0699579	2.57	0.013	.0390349	.3199275
st_WY	.2597508	.1219322	2.13	0.038	.0149616	.50454
tsd_unemp_mean	-.0308734	.0304023	-1.02	0.315	-.0919085	.0301618
tsd_unemp_cng	.0134207	.0231613	0.58	0.565	-.0330774	.0599189
pial	.0001388	.000097	1.43	0.159	-.000056	.0003336
pia_miss	-.2566848	.1278075	-2.01	0.050	-.513269	-.0001006
ime1	.0000311	.000032	0.97	0.335	-.0000331	.0000954
ime_miss	.0062399	.0453885	0.14	0.891	-.0848813	.0973611
_cons	.0318636	.2238695	0.14	0.887	-.4175731	.4813004

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj -
imm28_adj - imm29_adj - imm30_adj = 0

nstw24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	.0021259	.0164221	0.13	0.898	-.0308428	.0350946

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
imm28_adj + imm29_adj + imm30_adj =
-.0021259

nstw24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	3.47e-17	.0164221	0.00	1.000	-.0329687	.0329687

(1) imm21_adj = 0
 (2) imm23_adj = 0
 (3) imm24_adj = 0
 (4) imm25_adj = 0
 (5) imm26_adj = 0
 (6) imm27_adj = 0
 (7) imm28_adj = 0
 (8) imm29_adj = 0
 (9) imm30_adj = 0

F(9, 51) = 2.14
 Prob > F = 0.0430

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
 imm28_adj + imm29_adj + imm30_adj = 0

F(1, 51) = 0.02
 Prob > F = 0.8975

(1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
 (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
 (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
 (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
 (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
 (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
 (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 51) = 2.62
 Prob > F = 0.0217

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.3100
 Root MSE = 4.1886

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	-.0140821	.0348362	-0.40	0.688	-.0840188	.0558545
imm23_adj	.0833685	.0332955	2.50	0.016	.0165251	.1502119
imm24_adj	-.0330109	.0312597	-1.06	0.296	-.0957673	.0297455
imm25_adj	.0024448	.0358563	0.07	0.946	-.0695397	.0744293
imm26_adj	-.0212885	.0396318	-0.54	0.593	-.1008527	.0582756
imm27_adj	-.0344647	.0347234	-0.99	0.326	-.1041749	.0352454
imm28_adj	.029677	.0404942	0.73	0.467	-.0516186	.1109726
imm29_adj	-.013651	.0235593	-0.58	0.565	-.0609483	.0336462
imm30_adj	.0072803	.0406691	0.18	0.859	-.0743664	.088927
male	.1115401	.028322	3.94	0.000	.0546812	.168399
gendermiss_flag	-.544799	.187105	-2.91	0.005	-.920428	-.1691701
tsd_age	-.0214762	.0033605	-6.39	0.000	-.0282225	-.0147298
doage2	-.0036375	.0015254	-2.38	0.021	-.0066998	-.0005751
doage2miss_flag	13.51958	.5556313	24.33	0.000	12.4041	14.63506
race_a	.0768783	.0914665	0.84	0.405	-.1067485	.260505
race_b	.1337657	.0499765	2.68	0.010	.0334336	.2340977
race_h	.2046138	.0467953	4.37	0.000	.1106683	.2985594
race_i	.0403762	.1426142	0.28	0.778	-.2459338	.3266862

race_o	.3242685	.1137792	2.85	0.006	.0958471	.5526898
race_mis	.2849423	.1233827	2.31	0.025	.0372411	.5326434
tsd_edu_hs	.1237602	.030574	4.05	0.000	.0623802	.1851401
tsd_edu_mrhs	.3423977	.0439574	7.79	0.000	.2541495	.4306458
tsd_edu_mis	.2410016	.0308248	7.82	0.000	.1791183	.3028849
tsd_mie_exp	.0090758	.0797328	0.11	0.910	-.1509945	.1691461
tsd_mie_mis	-.0982089	.0417838	-2.35	0.023	-.1820934	-.0143243
tsd_mie_psbl	-.0883309	.043909	-2.01	0.050	-.1764819	-.0001799
tsd_medicare	-.1747145	.0362416	-4.82	0.000	-.2474727	-.1019564
tsd_medicare_miss	-.4374402	.0893609	-4.90	0.000	-.6168397	-.2580407
tsd_depend_1	-.1632632	.0262422	-6.22	0.000	-.2159466	-.1105797
tsd_depend_2	-.0621706	.0337471	-1.84	0.071	-.1299207	.0055796
tsd_depend_miss	.209068	.0829124	2.52	0.015	.0426144	.3755217
tsd_vrpr	.3733146	.1042247	3.58	0.001	.1640747	.5825545
tsd_vrpr_miss	.2847459	.068192	4.18	0.000	.1478446	.4216471
pdcgrou2	-.1715199	.0336943	-5.09	0.000	-.2391639	-.1038759
pdcgrou3	.2059292	.0380953	5.41	0.000	.1294496	.2824088
pdcgrou4	.0927153	.0275717	3.36	0.001	.0373628	.1480678
pdcgrou5	-.0348018	.2411599	-0.14	0.886	-.5189506	.449347
cohort2000	.0425861	.0988362	0.43	0.668	-.155836	.2410081
cohort2001	.1945048	.1104133	1.76	0.084	-.027159	.4161687
cohort2002	.178901	.1780259	1.00	0.320	-.1785008	.5363029
cohort2003	.1132452	.2079352	0.54	0.588	-.3042021	.5306925
cohort2004	.7371471	.3671929	2.01	0.050	-.0000234	1.474318
award_b4_tsd	-.0992518	.1062868	-0.93	0.355	-.3126315	.1141278
diaward_tsd	-.011413	.0036554	-3.12	0.003	-.0187515	-.0040746
epeb4twp_flag	-1.72573	1.34306	-1.28	0.205	-4.422035	.9705751
ldwb4twp_flag	-3.737555	1.241061	-3.01	0.004	-6.229088	-1.246022
ldwb4epe_flag	5.828498	.8699134	6.70	0.000	4.082074	7.574922
twpb4tsd	4.425488	.3211544	13.78	0.000	3.780744	5.070232
epeb4tsd	.9115492	.1857024	4.91	0.000	.5387361	1.284362
ldwb4tsd	12.97254	.3701441	35.05	0.000	12.22944	13.71563
st_AL	.3449966	.1271003	2.71	0.009	.089832	.6001611
st_AR	.1236283	.0988009	1.25	0.217	-.0747227	.3219794
st_AZ	-.089789	.1344646	-0.67	0.507	-.3597379	.1801599
st_CA	.7524684	.084101	8.95	0.000	.5836285	.9213082
st_CO	-.2089069	.1177497	-1.77	0.082	-.4452993	.0274855
st_CT	-.0915377	.1438032	-0.64	0.527	-.3802346	.1971592
st_DC	.1894551	.1116373	1.70	0.096	-.0346661	.4135762
st_DE	-.6451419	.1927611	-3.35	0.002	-1.032126	-.2581578
st_FL	-.3399488	.1469469	-2.31	0.025	-.634957	-.0449405
st_GA	.0255155	.1507097	0.17	0.866	-.2770468	.3280777
st_HI	.3403049	.2259412	1.51	0.138	-.113291	.7939007
st_IA	-.5378777	.1522494	-3.53	0.001	-.8435312	-.2322242
st_ID	.2847784	.1580458	1.80	0.077	-.0325117	.6020685
st_IL	-.1144098	.0849481	-1.35	0.184	-.2849503	.0561307
st_IN	.2569159	.1139569	2.25	0.028	.0281379	.485694
st_KS	.1326903	.1036828	1.28	0.206	-.0754616	.3408422
st_KY	.3334919	.1017729	3.28	0.002	.1291743	.5378095
st_LA	-.1787316	.104463	-1.71	0.093	-.3884499	.0309866
st_MA	-.2402409	.1201027	-2.00	0.051	-.4813571	.0008752
st_MD	.6581663	.1660935	3.96	0.000	.3247198	.9916129
st_ME	.416696	.151441	2.75	0.008	.1126656	.7207264
st_MI	.2286671	.0453576	5.04	0.000	.1376078	.3197263
st_MN	.2842168	.1582467	1.80	0.078	-.0334767	.6019102
st_MO	.1173947	.1039013	1.13	0.264	-.0911959	.3259853
st_MS	.1709002	.0765209	2.23	0.030	.0172782	.3245223
st_MT	-.5355006	.1998486	-2.68	0.010	-.9367134	-.1342878
st_NC	.2885288	.1063622	2.71	0.009	.0749977	.5020599
st_ND	-1.326079	.245731	-5.40	0.000	-1.819404	-.8327532
st_NE	.043189	.1890792	0.23	0.820	-.3364032	.4227812
st_NH	-.010517	.1894119	-0.06	0.956	-.3907773	.3697432
st_NJ	-.2799906	.1399596	-2.00	0.051	-.5609712	.0009901

st_NM	-.5387028	.1223128	-4.40	0.000	-.7842559	-.2931497
st_NV	-.3458799	.1582019	-2.19	0.033	-.6634835	-.0282764
st_NY	-.118452	.1014035	-1.17	0.248	-.3220281	.0851242
st_OH	.406799	.0845616	4.81	0.000	.2370345	.5765635
st_OK	-.0625103	.1331852	-0.47	0.641	-.3298907	.2048702
st_OR	-.1456764	.0519538	-2.80	0.007	-.2499781	-.0413748
st_PA	.5070077	.1137872	4.46	0.000	.2785703	.7354451
st_PR	.6101191	.1568296	3.89	0.000	.2952706	.9249676
st_RI	.7008276	.1232315	5.69	0.000	.45343	.9482252
st_SC	.0995031	.0451922	2.20	0.032	.008776	.1902302
st_SD	-1.864321	.2022596	-9.22	0.000	-2.270374	-1.458268
st_TN	.1563498	.1107872	1.41	0.164	-.0660648	.3787644
st_TX	.5912861	.0931599	6.35	0.000	.4042599	.7783123
st_UT	.3905052	.1329563	2.94	0.005	.1235843	.6574261
st_VA	.0176247	.1873228	0.09	0.925	-.3584416	.393691
st_VT	-.2481255	.1861081	-1.33	0.188	-.6217532	.1255022
st_WA	.6320044	.0805509	7.85	0.000	.4702917	.793717
st_WI	-.2112245	.1355765	-1.56	0.125	-.4834056	.0609567
st_WV	.4038268	.119737	3.37	0.001	.1634447	.6442089
st_WY	.35658	.1969897	1.81	0.076	-.0388934	.7520534
tsd_unemp_mean	-.0837512	.0498064	-1.68	0.099	-.1837416	.0162393
tsd_unemp_cng	.0172385	.0387061	0.45	0.658	-.0604672	.0949442
pial	.0002698	.0001391	1.94	0.058	-9.56e-06	.0005491
pia_miss	-.3913005	.1779335	-2.20	0.032	-.7485169	-.0340841
ime1	.0000645	.0000468	1.38	0.175	-.0000296	.0001585
ime_miss	-.0766808	.0671295	-1.14	0.259	-.211449	.0580874
_cons	.8002922	.3601379	2.22	0.031	.0772852	1.523299

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj -
imm28_adj - imm29_adj - imm30_adj = 0

nstw36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0062732	.0257765	-0.24	0.809	-.0580217 .0454753

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
imm28_adj + imm29_adj + imm30_adj = .0062732

nstw36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-3.73e-17	.0257765	-0.00	1.000	-.0517485 .0517485

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 51) = 2.14
Prob > F = 0.0423

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
imm28_adj + imm29_adj + imm30_adj = 0

F(1, 51) = 0.06
 Prob > F = 0.8087

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 51) = 2.17
 Prob > F = 0.0524

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L

PM_PH3_unemp.xls

dir : seeout

Linear regression

Number of obs = 114377
 F(50, 51) = .
 Prob > F = .
 R-squared = 0.2724
 Root MSE = 6.0568

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	-.024822	.0484872	-0.51	0.611	-.122164	.0725201
imm23_adj	.1134673	.0528862	2.15	0.037	.0072937	.2196408
imm24_adj	-.029486	.0489266	-0.60	0.549	-.1277102	.0687382
imm25_adj	-.0231231	.0471172	-0.49	0.626	-.1177148	.0714687
imm26_adj	-.0247371	.0650855	-0.38	0.705	-.1554018	.1059276
imm27_adj	-.0105461	.0496051	-0.21	0.832	-.1101326	.0890404
imm28_adj	.0483149	.0490586	0.98	0.329	-.0501745	.1468042
imm29_adj	-.0463279	.0313317	-1.48	0.145	-.1092288	.016573
imm30_adj	-.0001204	.0579496	-0.00	0.998	-.116459	.1162182
male	.2111096	.044153	4.78	0.000	.1224687	.2997504
gendermiss_flag	-.935339	.2747346	-3.40	0.001	-1.486892	-.3837863
tsd_age	-.0405178	.0053725	-7.54	0.000	-.0513037	-.029732
doage2	-.0061859	.0027334	-2.26	0.028	-.0116735	-.0006983
doage2miss_flag	14.98342	.7126633	21.02	0.000	13.55269	16.41415
race_a	.1384448	.124396	1.11	0.271	-.1112906	.3881801
race_b	.2314	.0749978	3.09	0.003	.0808355	.3819644
race_h	.2772353	.0736223	3.77	0.000	.1294323	.4250384
race_i	.1008585	.2124662	0.47	0.637	-.3256852	.5274022
race_o	.5132834	.177934	2.88	0.006	.1560659	.8705009
race_mis	.3559621	.1636142	2.18	0.034	.0274928	.6844313
tsd_edu_hs	.207889	.0381226	5.45	0.000	.1313547	.2844234
tsd_edu_mrhs	.5856018	.065949	8.88	0.000	.4532036	.718
tsd_edu_mis	.3839806	.0422602	9.09	0.000	.2991397	.4688215
tsd_mie_exp	.0237957	.1161755	0.20	0.839	-.2094364	.2570277
tsd_mie_mis	-.1247212	.068308	-1.83	0.074	-.2618552	.0124128
tsd_mie_psbl	-.1415808	.0573351	-2.47	0.017	-.2566858	-.0264758
tsd_medicare	-.2625209	.0516762	-5.08	0.000	-.3662652	-.1587765
tsd_medicare_miss	-.7971288	.1472401	-5.41	0.000	-1.092726	-.501532
tsd_depend_1	-.2292674	.0425095	-5.39	0.000	-.3146088	-.1439259
tsd_depend_2	-.0674904	.0478407	-1.41	0.164	-.1635345	.0285538
tsd_depend_miss	.211662	.1057334	2.00	0.051	-.0006066	.4239305
tsd_vrpr	.334548	.117813	2.84	0.006	.0980286	.5710674
tsd_vrpr_miss	.0527513	.0723719	0.73	0.469	-.0925413	.1980439
pdcgrou2	-.33952	.0617386	-5.50	0.000	-.4634654	-.2155747

pdcgrou3	.2861226	.0618638	4.63	0.000	.1619259	.4103194
pdcgrou4	.0875642	.0451561	1.94	0.058	-.0030903	.1782188
pdcgrou5	-.2547368	.3151823	-0.81	0.423	-.8874917	.3780182
cohort2000	.0280933	.1196925	0.23	0.815	-.2121995	.268386
cohort2001	.1778321	.1334983	1.33	0.189	-.0901768	.4458411
cohort2002	.1321178	.2156416	0.61	0.543	-.3008009	.5650365
cohort2003	.07654	.2598149	0.29	0.769	-.4450601	.5981401
cohort2004	1.131445	.5139271	2.20	0.032	.0996931	2.163196
award_b4_tsd	-.0767389	.1987134	-0.39	0.701	-.4756728	.322195
diaward_tsd	-.0183475	.0050577	-3.63	0.001	-.0285013	-.0081937
epeb4twp_flag	-4.111912	1.692155	-2.43	0.019	-7.509055	-.7147695
ldwb4twp_flag	-3.736062	2.12377	-1.76	0.085	-7.999707	.5275833
ldwb4epe_flag	9.131819	1.332468	6.85	0.000	6.456779	11.80686
twpb4tsd	6.344647	.413627	15.34	0.000	5.514256	7.175038
epeb4tsd	.9432152	.2488456	3.79	0.000	.4436367	1.442794
ldwb4tsd	16.31796	.4582091	35.61	0.000	15.39807	17.23786
st_AL	-.22592	.1666372	-1.36	0.181	-.5604582	.1086181
st_AR	-.4003654	.1314868	-3.04	0.004	-.6643361	-.1363947
st_AZ	-.6969862	.1775137	-3.93	0.000	-1.05336	-.3406126
st_CA	.5155749	.1150585	4.48	0.000	.2845853	.7465645
st_CO	-.7624938	.1565919	-4.87	0.000	-1.076865	-.4481224
st_CT	-.7298223	.1916169	-3.81	0.000	-1.114509	-.3451354
st_DC	.3025969	.1580819	1.91	0.061	-.0147656	.6199595
st_DE	-1.581155	.2432356	-6.50	0.000	-2.069471	-1.092839
st_FL	-1.162025	.1895408	-6.13	0.000	-1.542544	-.7815062
st_GA	-.5980083	.1925212	-3.11	0.003	-.9845107	-.211506
st_HI	-.0891789	.2859337	-0.31	0.756	-.6632147	.484857
st_IA	-1.542264	.1967465	-7.84	0.000	-1.937249	-1.147279
st_ID	-.289696	.207813	-1.39	0.169	-.706898	.1275059
st_IL	-.6333261	.1147589	-5.52	0.000	-.8637141	-.4029381
st_IN	-.3050826	.1501763	-2.03	0.047	-.6065741	-.0035911
st_KS	-.4926987	.1348324	-3.65	0.001	-.7633859	-.2220114
st_KY	-.0675175	.1354147	-0.50	0.620	-.3393738	.2043388
st_LA	-.9485816	.1350679	-7.02	0.000	-1.219742	-.6774215
st_MA	-.7817627	.1617045	-4.83	0.000	-1.106398	-.4571274
st_MD	.2630602	.2136338	1.23	0.224	-.1658276	.691948
st_ME	-.1030366	.1970095	-0.52	0.603	-.4985497	.2924764
st_MI	-.3060167	.0660364	-4.63	0.000	-.4385903	-.1734431
st_MN	-.2277254	.2082269	-1.09	0.279	-.6457582	.1903075
st_MO	-.3940706	.1392542	-2.83	0.007	-.673635	-.1145061
st_MS	-.1977853	.0991321	-2.00	0.051	-.3968013	.0012308
st_MT	-1.69721	.2661427	-6.38	0.000	-2.231513	-1.162906
st_NC	-.2996402	.1413456	-2.12	0.039	-.5834033	-.0158771
st_ND	-2.801337	.3219026	-8.70	0.000	-3.447583	-2.155091
st_NE	-.6013788	.2439552	-2.47	0.017	-1.091139	-.1116184
st_NH	-.5827373	.2481112	-2.35	0.023	-1.080841	-.0846333
st_NJ	-.8552284	.1860685	-4.60	0.000	-1.228776	-.4816804
st_NM	-1.038429	.1671507	-6.21	0.000	-1.373998	-.7028603
st_NV	-1.367696	.2038404	-6.71	0.000	-1.776923	-.9584692
st_NY	-.5689101	.1371659	-4.15	0.000	-.8442821	-.2935381
st_OH	-.072226	.1143462	-0.63	0.530	-.3017855	.1573335
st_OK	-.6825599	.1737559	-3.93	0.000	-1.031389	-.3337304
st_OR	-.8033176	.0762023	-10.54	0.000	-.9563001	-.6503351
st_PA	.0567015	.1501262	0.38	0.707	-.2446894	.3580923
st_PR	.2310896	.1945746	1.19	0.240	-.1595352	.6217144
st_RI	.3285478	.1632926	2.01	0.050	.0007242	.6563714
st_SC	-.5599046	.0663471	-8.44	0.000	-.693102	-.4267072
st_SD	-2.781147	.2680017	-10.38	0.000	-3.319183	-2.243111
st_TN	-.5754047	.1453527	-3.96	0.000	-.8672125	-.2835969
st_TX	.1962012	.1262861	1.55	0.126	-.0573288	.4497312
st_UT	-.046649	.1748988	-0.27	0.791	-.3977731	.304475
st_VA	-.4925517	.2364114	-2.08	0.042	-.9671674	-.017936
st_VT	-.7887228	.2384792	-3.31	0.002	-1.26749	-.3099558

st_WA	.2890021	.1114435	2.59	0.012	.06527	.5127342
st_WI	-.7149122	.1773382	-4.03	0.000	-1.070934	-.3588908
st_WV	-.1378378	.1561271	-0.88	0.381	-.451276	.1756004
st_WY	-.2917558	.2577214	-1.13	0.263	-.8091532	.2256415
tsd_unemp_mean	-.139808	.0613859	-2.28	0.027	-.2630454	-.0165706
tsd_unemp_cng	.0194495	.0568441	0.34	0.734	-.0946697	.1335688
pial	.0004203	.0001848	2.27	0.027	.0000492	.0007914
pia_miss	-.5194041	.2059196	-2.52	0.015	-.9328049	-.1060033
ime1	.000102	.0000652	1.57	0.124	-.0000288	.0002329
ime_miss	-.2018099	.0884754	-2.28	0.027	-.3794317	-.0241881
_cons	2.870727	.514125	5.58	0.000	1.838577	3.902876

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

nstw48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0026195	.0375632	-0.07	0.945	-.0780308 .0727918

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = .0026195

nstw48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-2.99e-17	.0375632	-0.00	1.000	-.0754113 .0754113

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 51) = 2.45
Prob > F = 0.0213

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 51) = 0.00
Prob > F = 0.9447

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 51) = 2.46
Prob > F = 0.0299

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH3_unemp.xls

dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(47, 51) = .
 Prob > F = .
 R-squared = 0.1204
 Root MSE = .14384

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0025831	.0020461	1.26	0.213	-.0015245	.0066908
imm3_adj	-.0009872	.0009929	-0.99	0.325	-.0029806	.0010062
imm4_adj	-.0020838	.0007613	-2.74	0.009	-.0036122	-.0005553
male	.0016937	.0011289	1.50	0.140	-.0005726	.0039601
gendermiss_flag	-.0134475	.0026117	-5.15	0.000	-.0186906	-.0082044
tsd_age	-.0008002	.0001488	-5.38	0.000	-.0010988	-.0005015
doage2	-.0000883	.000135	-0.65	0.516	-.0003594	.0001828
doage2miss_flag	-.0015149	.0068898	-0.22	0.827	-.0153468	.0123171
race_a	.0025121	.0041581	0.60	0.548	-.0058356	.0108598
race_b	.0092753	.0040606	2.28	0.027	.0011233	.0174274
race_h	-.0001245	.001644	-0.08	0.940	-.0034251	.003176
race_i	-.0043617	.005087	-0.86	0.395	-.0145742	.0058508
race_o	.003179	.0064707	0.49	0.625	-.0098114	.0161694
race_mis	-.0022627	.0039605	-0.57	0.570	-.0102137	.0056884
tsd_edu_hs	.0023049	.0012482	1.85	0.071	-.000201	.0048108
tsd_edu_mrhs	.0085683	.0017188	4.98	0.000	.0051176	.012019
tsd_edu_mis	.0058648	.0018405	3.19	0.002	.0021698	.0095598
tsd_mie_exp	.0062881	.0041702	1.51	0.138	-.002084	.0146602
tsd_mie_mis	.0016278	.0024193	0.67	0.504	-.0032292	.0064847
tsd_mie_psbl	-.0010841	.0023627	-0.46	0.648	-.0058275	.0036592
tsd_medicare	-.0086567	.0012285	-7.05	0.000	-.0111231	-.0061904
tsd_medicare_miss	-.0081405	.0020908	-3.89	0.000	-.0123381	-.003943
tsd_depend_1	.0001258	.0015098	0.08	0.934	-.0029053	.0031568
tsd_depend_2	-.0030625	.002314	-1.32	0.192	-.0077081	.001583
tsd_depend_miss	.000388	.0029073	0.13	0.894	-.0054485	.0062246
tsd_vrpr	.0098352	.0025535	3.85	0.000	.0047089	.0149615
tsd_vrpr_miss	.0114964	.0027919	4.12	0.000	.0058913	.0171015
pdcgrou2	.0000782	.0016387	0.05	0.962	-.0032115	.003368
pdcgrou3	.0036347	.0032873	1.11	0.274	-.0029648	.0102342
pdcgrou4	.0041981	.0019587	2.14	0.037	.0002657	.0081304
pdcgrou5	.0200986	.0257142	0.78	0.438	-.0315249	.0717221
cohort2000	.0029815	.0028777	1.04	0.305	-.0027957	.0087587
cohort2001	.0018435	.0055387	0.33	0.741	-.009276	.012963
cohort2002	.0000509	.0054803	0.01	0.993	-.0109513	.0110531
cohort2003	.0022145	.0080556	0.27	0.785	-.0139578	.0183867
cohort2004	.0061368	.0077199	0.79	0.430	-.0093616	.0216353
award_b4_tsd	-.0048175	.0034099	-1.41	0.164	-.0116632	.0020282
diaward_tsd	-.0002445	.0001954	-1.25	0.216	-.0006368	.0001478
epeb4twp_flag	-.0354144	.0376575	-0.94	0.351	-.1110149	.0401862
ldwb4twp_flag	.3031284	.0975743	3.11	0.003	.1072398	.4990171
ldwb4epe_flag	.0927823	.0246449	3.76	0.000	.0433056	.1422591
twpb4tsd	.1828799	.0069898	26.16	0.000	.1688472	.1969125
epeb4tsd	.1064047	.012168	8.74	0.000	.0819764	.130833
ldwb4tsd	-.1530129	.0082981	-18.44	0.000	-.1696721	-.1363537
st_AL	-.0183114	.0014397	-12.72	0.000	-.0212018	-.0154211
st_AR	.0562483	.0013843	40.63	0.000	.0534692	.0590274
st_AZ	.0060249	.0013267	4.54	0.000	.0033615	.0086883
st_CA	.0503096	.0013033	38.60	0.000	.047693	.0529261

st_CO	.0022821	.0014486	1.58	0.121	-.0006262	.0051903
st_CT	.0120687	.0017157	7.03	0.000	.0086243	.0155131
st_DC	.3295086	.0024864	132.52	0.000	.3245169	.3345002
st_DE	.0009833	.0016453	0.60	0.553	-.0023198	.0042864
st_FL	.0053492	.0013943	3.84	0.000	.00255	.0081483
st_GA	.0007546	.0015834	0.48	0.636	-.0024242	.0039335
st_HI	-.0133568	.0021039	-6.35	0.000	-.0175804	-.0091331
st_IA	.0058238	.0014143	4.12	0.000	.0029844	.0086632
st_ID	-.0340948	.001984	-17.19	0.000	-.0380778	-.0301118
st_IL	.0080259	.0012415	6.46	0.000	.0055334	.0105184
st_IN	.0035727	.0020525	1.74	0.088	-.0005478	.0076931
st_KS	-.0077802	.0014156	-5.50	0.000	-.0106222	-.0049382
st_KY	-.025891	.0013192	-19.63	0.000	-.0285393	-.0232426
st_LA	.0406258	.0028284	14.36	0.000	.0349475	.046304
st_MA	.0114257	.0014506	7.88	0.000	.0085135	.0143378
st_MD	.0147127	.0018559	7.93	0.000	.0109867	.0184386
st_ME	.0937852	.0023567	39.80	0.000	.0890539	.0985165
st_MI	.0261704	.0013936	18.78	0.000	.0233727	.0289681
st_MN	-.0267698	.0015597	-17.16	0.000	-.0299011	-.0236385
st_MO	.0351992	.001639	21.48	0.000	.0319088	.0384896
st_MS	-.0202053	.002433	-8.30	0.000	-.0250898	-.0153208
st_MT	.0052046	.0030124	1.73	0.090	-.0008429	.0112522
st_NC	-.0295888	.0014149	-20.91	0.000	-.0324294	-.0267483
st_ND	0	(omitted)				
st_NE	-.0450759	.002626	-17.17	0.000	-.0503478	-.0398041
st_NH	-.0449466	.0021309	-21.09	0.000	-.0492246	-.0406686
st_NJ	-.0068814	.0014711	-4.68	0.000	-.0098347	-.0039281
st_NM	-.0174929	.002557	-6.84	0.000	-.0226262	-.0123595
st_NV	.0016287	.0019085	0.85	0.397	-.0022029	.0054603
st_NY	0	(omitted)				
st_OH	-.0166566	.0011745	-14.18	0.000	-.0190144	-.0142988
st_OK	.0017634	.0011624	1.52	0.135	-.0005702	.0040971
st_OR	-.0010421	.0012929	-0.81	0.424	-.0036377	.0015536
st_PA	.0092003	.0016173	5.69	0.000	.0059534	.0124472
st_PR	-.0139786	.0024518	-5.70	0.000	-.0189009	-.0090564
st_RI	.135835	.0016515	82.25	0.000	.1325194	.1391506
st_SC	.0015875	.0017664	0.90	0.373	-.0019586	.0051337
st_SD	-.0557884	.0027182	-20.52	0.000	-.0612455	-.0503314
st_TN	.0159362	.0015871	10.04	0.000	.01275	.0191224
st_TX	.0177036	.0015325	11.55	0.000	.0146269	.0207803
st_UT	-.0211797	.0019218	-11.02	0.000	-.0250379	-.0173215
st_VA	.0455646	.0020801	21.91	0.000	.0413887	.0497406
st_VT	.0066552	.0016624	4.00	0.000	.0033177	.0099926
st_WA	.0712086	.0013835	51.47	0.000	.068431	.0739862
st_WI	.0063922	.0012712	5.03	0.000	.0038402	.0089441
st_WV	.005662	.0012601	4.49	0.000	.0031322	.0081919
st_WY	-.0102956	.0023211	-4.44	0.000	-.0149554	-.0056359
pial	-.0000199	6.57e-06	-3.03	0.004	-.0000331	-6.74e-06
pia_miss	-.0337713	.0066711	-5.06	0.000	-.0471642	-.0203785
ime1	8.34e-06	2.37e-06	3.53	0.001	3.59e-06	.0000131
ime_miss	.0102703	.0034557	2.97	0.005	.0033328	.0172079
_cons	.028015	.0067399	4.16	0.000	.0144842	.0415459

(1) - imm1_adj - imm3_adj - imm4_adj = 0

ldwroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0004878	.001805	0.27	0.788	-.0031359 .0041116

(1) imm1_adj + imm3_adj + imm4_adj = -.0004878

ldwroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	1.10e-17	.001805	0.00	1.000	-.0036238	.0036238

(1) imm1_adj = 0
(2) imm3_adj = 0
(3) imm4_adj = 0

F(3, 51) = 3.46
Prob > F = 0.0230

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 51) = 0.07
Prob > F = 0.7881

(1) -.5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 51) = 0.07
Prob > F = 0.7867

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\LPM_PH1NONY_nounemp.xls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
F(47, 51) = .
Prob > F = .
R-squared = 0.1154
Root MSE = .19579

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0000148	.0024782	0.01	0.995	-.0049605	.0049901
imm3_adj	-.0007828	.001205	-0.65	0.519	-.0032019	.0016363
imm4_adj	.0007089	.0016695	0.42	0.673	-.0026427	.0040605
male	.0020662	.0020516	1.01	0.319	-.0020526	.0061849
gendermiss_flag	-.0187566	.0033587	-5.58	0.000	-.0254994	-.0120137
tsd_age	-.0017335	.00016	-10.84	0.000	-.0020547	-.0014123
doage2	-.0000407	.0001522	-0.27	0.790	-.0003464	.0002649
doage2miss_flag	-.0158805	.0106557	-1.49	0.142	-.0372728	.0055117
race_a	.0082004	.0054794	1.50	0.141	-.0027999	.0192007
race_b	.0146307	.004874	3.00	0.004	.0048458	.0244157
race_h	.0074706	.0040175	1.86	0.069	-.0005949	.0155362
race_i	.0000134	.006652	0.00	0.998	-.013341	.0133678
race_o	-.008104	.0085033	-0.95	0.345	-.025175	.0089671
race_mis	.0085967	.0074793	1.15	0.256	-.0064187	.023612
tsd_edu_hs	.0021915	.0016909	1.30	0.201	-.001203	.0055861
tsd_edu_mrhs	.0189822	.0028222	6.73	0.000	.0133165	.024648
tsd_edu_mis	.011275	.0023697	4.76	0.000	.0065176	.0160323
tsd_mie_exp	.0076584	.0056968	1.34	0.185	-.0037783	.0190951
tsd_mie_mis	-.0023733	.0039732	-0.60	0.553	-.0103498	.0056033
tsd_mie_psbl	-.0014335	.0033472	-0.43	0.670	-.0081532	.0052862
tsd_medicare	-.0111752	.0016863	-6.63	0.000	-.0145606	-.0077899
tsd_medicare_miss	-.0276199	.0032161	-8.59	0.000	-.0340766	-.0211632

tsd_depend_1	-.008576	.0017839	-4.81	0.000	-.0121573	-.0049947
tsd_depend_2	-.0080631	.0026445	-3.05	0.004	-.0133721	-.0027541
tsd_depend_miss	-.0090361	.0054591	-1.66	0.104	-.0199958	.0019236
tsd_vrpr	.0154841	.0038988	3.97	0.000	.0076569	.0233113
tsd_vrpr_miss	.0114008	.004307	2.65	0.011	.0027542	.0200474
pdcgrou2	-.0085031	.0021029	-4.04	0.000	-.0127249	-.0042813
pdcgrou3	.0041956	.0031597	1.33	0.190	-.0021478	.010539
pdcgrou4	.0042207	.002127	1.98	0.053	-.0000494	.0084907
pdcgrou5	.011597	.0258276	0.45	0.655	-.0402541	.0634481
cohort2000	-.0025208	.0031491	-0.80	0.427	-.008843	.0038013
cohort2001	-.0087057	.0068344	-1.27	0.209	-.0224263	.0050149
cohort2002	-.0067079	.0106122	-0.63	0.530	-.0280127	.0145969
cohort2003	.0083737	.0104351	0.80	0.426	-.0125757	.0293231
cohort2004	-.0125676	.0134625	-0.93	0.355	-.0395946	.0144594
award_b4_tsd	.0053641	.006724	0.80	0.429	-.0081349	.0188631
diaward_tsd	-.0009646	.0002814	-3.43	0.001	-.0015296	-.0003996
epeb4twp_flag	-.0377688	.041837	-0.90	0.371	-.1217601	.0462226
ldwb4twp_flag	.2717533	.1099746	2.47	0.017	.0509701	.4925365
ldwb4epe_flag	.3282693	.0446692	7.35	0.000	.2385921	.4179465
twpb4tsd	.2400451	.0105883	22.67	0.000	.2187883	.2613019
epeb4tsd	.102411	.0101312	10.11	0.000	.0820718	.1227502
ldwb4tsd	-.1946451	.0084387	-23.07	0.000	-.2115865	-.1777036
st_AL	.0266987	.0031559	8.46	0.000	.0203629	.0330345
st_AR	.0571543	.0031127	18.36	0.000	.0509053	.0634034
st_AZ	.0213391	.0032572	6.55	0.000	.0148	.0278781
st_CA	.0674765	.0031979	21.10	0.000	.0610564	.0738966
st_CO	.0200386	.0032698	6.13	0.000	.0134742	.0266031
st_CT	.0567861	.0034743	16.34	0.000	.0498111	.0637611
st_DC	.3132922	.0043395	72.20	0.000	.3045802	.3220041
st_DE	.0248998	.0033702	7.39	0.000	.0181339	.0316657
st_FL	.0196443	.0032035	6.13	0.000	.013213	.0260756
st_GA	.0113541	.0033393	3.40	0.001	.0046502	.018058
st_HI	-.0171437	.0036906	-4.65	0.000	-.0245529	-.0097345
st_IA	.0144995	.003192	4.54	0.000	.0080912	.0209078
st_ID	-.044249	.0036341	-12.18	0.000	-.0515447	-.0369533
st_IL	.0245034	.0031224	7.85	0.000	.0182349	.030772
st_IN	.0683524	.0038658	17.68	0.000	.0605915	.0761133
st_KS	-.0089678	.0034111	-2.63	0.011	-.0158157	-.0021198
st_KY	-.0306838	.0033503	-9.16	0.000	-.0374097	-.0239578
st_LA	.1221039	.0049468	24.68	0.000	.1121728	.132035
st_MA	.0344762	.0032562	10.59	0.000	.0279392	.0410133
st_MD	-.00134	.0039438	-0.34	0.735	-.0092575	.0065774
st_ME	.0896059	.0035176	25.47	0.000	.082544	.0966678
st_MI	.0159729	.0034377	4.65	0.000	.0090714	.0228743
st_MN	.0018316	.003579	0.51	0.611	-.0053535	.0090167
st_MO	.0223963	.0034268	6.54	0.000	.0155167	.0292758
st_MS	-.0292419	.0038278	-7.64	0.000	-.0369265	-.0215572
st_MT	-.019858	.0059861	-3.32	0.002	-.0318756	-.0078403
st_NC	-.0381696	.00334	-11.43	0.000	-.0448749	-.0314642
st_ND	0	(omitted)				
st_NE	-.0004556	.0036974	-0.12	0.902	-.0078785	.0069672
st_NH	.005505	.0039441	1.40	0.169	-.0024132	.0134232
st_NJ	.0041077	.0036373	1.13	0.264	-.0031944	.0114099
st_NM	-.0263101	.0036607	-7.19	0.000	-.0336593	-.018961
st_NV	-.0122175	.0038715	-3.16	0.003	-.0199899	-.0044451
st_NY	0	(omitted)				
st_OH	.0061555	.00304	2.02	0.048	.0000524	.0122586
st_OK	.0110855	.003089	3.59	0.001	.004884	.0172869
st_OR	.0044987	.0031491	1.43	0.159	-.0018234	.0108208
st_PA	-.0002346	.0035317	-0.07	0.947	-.0073248	.0068555
st_PR	-.0215262	.004587	-4.69	0.000	-.0307351	-.0123174
st_RI	.1258243	.0040617	30.98	0.000	.11767	.1339785
st_SC	.0085729	.003348	2.56	0.013	.0018515	.0152943

st_SD	.0747393	.004709	15.87	0.000	.0652856	.084193
st_TN	.0075631	.003297	2.29	0.026	.0009442	.014182
st_TX	.0097305	.0032925	2.96	0.005	.0031205	.0163405
st_UT	-.0338988	.0041373	-8.19	0.000	-.0422049	-.0255928
st_VA	.0770206	.0036329	21.20	0.000	.0697273	.084314
st_VT	.0175368	.0033866	5.18	0.000	.0107379	.0243357
st_WA	.0588226	.0032494	18.10	0.000	.0522991	.065346
st_WI	.0165563	.0031361	5.28	0.000	.0102603	.0228524
st_WV	.0046577	.0034491	1.35	0.183	-.0022668	.0115821
st_WY	-.026044	.0045554	-5.72	0.000	-.0351893	-.0168986
pia1	-.0000212	9.68e-06	-2.19	0.033	-.0000406	-1.76e-06
pia_miss	-.0374564	.0088786	-4.22	0.000	-.0552809	-.0196319
ime1	8.46e-06	3.57e-06	2.37	0.022	1.29e-06	.0000156
ime_miss	.0002295	.0051869	0.04	0.965	-.0101838	.0106427
_cons	.0823305	.0074649	11.03	0.000	.0673442	.0973168

(1) - imm1_adj - imm3_adj - imm4_adj = 0

ldwroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0000591	.0029255	0.02	0.984	-.005814 .0059322

(1) imm1_adj + imm3_adj + imm4_adj = -.0000591

ldwroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-3.59e-17	.0029255	-0.00	1.000	-.0058731 .0058731

(1) imm1_adj = 0
(2) imm3_adj = 0
(3) imm4_adj = 0

F(3, 51) = 0.25
Prob > F = 0.8607

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 51) = 0.00
Prob > F = 0.9840

(1) -.5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 51) = 0.62
Prob > F = 0.4360

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH1NONY_nounemp.xls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
F(47, 51) = .
Prob > F = .
R-squared = 0.1123
Root MSE = .23198

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
imm1_adj	.0029728	.002719	1.09	0.279	-.0024858 .0084314
imm3_adj	-.0020266	.0018212	-1.11	0.271	-.0056829 .0016297
imm4_adj	.0001856	.0029895	0.06	0.951	-.005816 .0061872
male	.003556	.0025843	1.38	0.175	-.0016322 .0087443
gendermiss_flag	-.0279382	.0032383	-8.63	0.000	-.0344394 -.0214371
tsd_age	-.0025604	.0002011	-12.73	0.000	-.002964 -.0021567
doage2	-.0001233	.0001517	-0.81	0.420	-.0004279 .0001813
doage2miss_flag	-.0324304	.0171949	-1.89	0.065	-.0669507 .0020899
race_a	.0015058	.0076326	0.20	0.844	-.0138173 .0168288
race_b	.0216885	.003988	5.44	0.000	.0136823 .0296947
race_h	.0131424	.0061827	2.13	0.038	.00073 .0255548
race_i	.0035785	.0128362	0.28	0.782	-.0221911 .0293482
race_o	-.0135819	.0075256	-1.80	0.077	-.0286903 .0015264
race_mis	.0072262	.0082242	0.88	0.384	-.0092847 .0237371
tsd_edu_hs	.0055479	.0024186	2.29	0.026	.0006924 .0104034
tsd_edu_mrhs	.0302613	.0038489	7.86	0.000	.0225342 .0379883
tsd_edu_mis	.0172408	.0032735	5.27	0.000	.0106691 .0238126
tsd_mie_exp	.0044885	.0057513	0.78	0.439	-.0070577 .0160346
tsd_mie_mis	-.0040048	.0046753	-0.86	0.396	-.0133909 .0053812
tsd_mie_psbl	-.0056211	.0035994	-1.56	0.125	-.0128471 .001605
tsd_medicare	-.0140021	.0019592	-7.15	0.000	-.0179354 -.0100687
tsd_medicare_miss	-.0398478	.0028938	-13.77	0.000	-.0456573 -.0340383
tsd_depend_1	-.0118223	.0025789	-4.58	0.000	-.0169997 -.0066449
tsd_depend_2	-.0079947	.0018942	-4.22	0.000	-.0117974 -.0041192
tsd_depend_miss	-.0153779	.00821	-1.87	0.067	-.0318602 .0011044
tsd_vrpr	.0123672	.0056582	2.19	0.033	.0010079 .0237265
tsd_vrpr_miss	-.003296	.0060229	-0.55	0.587	-.0153875 .0087954
pdgroup2	-.014883	.0026759	-5.56	0.000	-.0202552 -.0095109
pdgroup3	.0013042	.0032826	0.40	0.693	-.0052858 .0078943
pdgroup4	.0009412	.0030563	0.31	0.759	-.0051946 .0070769
pdgroup5	.000539	.0264626	0.02	0.984	-.052587 .0536649
cohort2000	.0001067	.0028172	0.04	0.970	-.005549 .0057624
cohort2001	-.0027774	.0069894	-0.40	0.693	-.0168092 .0112543
cohort2002	-.0008165	.0086227	-0.09	0.925	-.0181273 .0164943
cohort2003	.0422315	.0119474	3.53	0.001	.0182461 .0662169
cohort2004	.019622	.0129997	1.51	0.137	-.006476 .0457199
award_b4_tsd	.0157009	.0089954	1.75	0.087	-.002358 .0337599
diaward_tsd	-.0009767	.0003354	-2.91	0.005	-.0016501 -.0003034
epeb4twp_flag	-.0439672	.0438821	-1.00	0.321	-.1320643 .0441298
ldwb4twp_flag	.2497822	.1136139	2.20	0.032	.0216928 .4778716
ldwb4epe_flag	.4370294	.0532508	8.21	0.000	.330124 .5439348
twpb4tsd	.2693883	.0136224	19.78	0.000	.2420402 .2967365
epeb4tsd	.0935618	.0096003	9.75	0.000	.0742884 .1128352
ldwb4tsd	-.2207834	.0078931	-27.97	0.000	-.2366295 -.2049373
st_AL	.0011916	.0206864	0.06	0.954	-.040338 .0427212
st_AR	.0346005	.0205724	1.68	0.099	-.0067003 .0759014
st_AZ	.0223367	.0206255	1.08	0.284	-.0190708 .0637441
st_CA	.0756414	.0206719	3.66	0.001	.0341408 .117142
st_CO	.012354	.0206558	0.60	0.552	-.0291142 .0538222
st_CT	.0252571	.0207178	1.22	0.228	-.0163357 .0668499
st_DC	.280012	.0208858	13.41	0.000	.2380821 .3219419
st_DE	.0277075	.0206669	1.34	0.186	-.0137829 .069198
st_FL	.0150621	.0206324	0.73	0.469	-.0263592 .0564834
st_GA	.003396	.0206819	0.16	0.870	-.0381246 .0449166
st_HI	-.0398349	.0208806	-1.91	0.062	-.0817545 .0020846
st_IA	.009417	.0206569	0.46	0.650	-.0320535 .0508875
st_ID	-.0720561	.020735	-3.48	0.001	-.1136833 -.0304289
st_IL	.0184762	.0206281	0.90	0.375	-.0229363 .0598888
st_IN	.0789892	.020858	3.79	0.000	.0371151 .1208634

st_KS	-.0314651	.0207287	-1.52	0.135	-.0730798	.0101495
st_KY	.0020905	.0207273	0.10	0.920	-.0395213	.0437023
st_LA	.0954248	.0211592	4.51	0.000	.0529459	.1379037
st_MA	.028948	.0206358	1.40	0.167	-.0124801	.0703761
st_MD	.0266039	.0207903	1.28	0.206	-.0151344	.0683422
st_ME	.1711916	.0207481	8.25	0.000	.1295381	.2128451
st_MI	.0129938	.0206723	0.63	0.532	-.0285075	.0544952
st_MN	.0117677	.0208043	0.57	0.574	-.0299986	.053534
st_MO	-.0091635	.0206903	-0.44	0.660	-.0507009	.0323739
st_MS	.1712986	.0208289	8.22	0.000	.1294828	.2131143
st_MT	-.065866	.0221849	-2.97	0.005	-.1104042	-.0213279
st_NC	-.038465	.0206946	-1.86	0.069	-.080011	.0030811
st_ND	0	(omitted)				
st_NE	-.0236944	.0208006	-1.14	0.260	-.0654534	.0180646
st_NH	.0380445	.0207492	1.83	0.073	-.0036112	.0797003
st_NJ	.0352089	.0207544	1.70	0.096	-.0064573	.0768752
st_NM	-.0504804	.0207996	-2.43	0.019	-.0922374	-.0087234
st_NV	-.0052385	.020825	-0.25	0.802	-.0470463	.0365694
st_NY	0	(omitted)				
st_OH	.0095466	.0206185	0.46	0.645	-.0318467	.0509399
st_OK	.0051395	.0206103	0.25	0.804	-.0362374	.0465165
st_OR	.0006747	.0206275	0.03	0.974	-.0407368	.0420861
st_PA	.0125235	.0207262	0.60	0.548	-.0290861	.0541331
st_PR	-.0544849	.0212956	-2.56	0.014	-.0972376	-.0117321
st_RI	.0954985	.0208758	4.57	0.000	.0535887	.1374084
st_SC	-.0049355	.0206405	-0.24	0.812	-.046373	.0365021
st_SD	.1921138	.0212239	9.05	0.000	.1495049	.2347226
st_TN	.063539	.0207079	3.07	0.003	.0219662	.1051118
st_TX	-.0178168	.0206303	-0.86	0.392	-.0592339	.0236002
st_UT	-.0663369	.0209752	-3.16	0.003	-.1084465	-.0242274
st_VA	.0884373	.0207311	4.27	0.000	.0468179	.1300566
st_VT	.0156416	.0206646	0.76	0.453	-.0258443	.0571275
st_WA	.0631599	.0206719	3.06	0.004	.0216594	.1046604
st_WI	.0041436	.0206374	0.20	0.842	-.0372877	.045575
st_WV	-.018746	.0207547	-0.90	0.371	-.0604127	.0229207
st_WY	-.0553381	.0214159	-2.58	0.013	-.0983323	-.0123438
pial	-.0000209	8.89e-06	-2.35	0.023	-.0000387	-3.03e-06
pia_miss	-.0458212	.0099098	-4.62	0.000	-.0657159	-.0259265
ime1	8.52e-06	3.59e-06	2.37	0.022	1.30e-06	.0000157
ime_miss	-.0093885	.0059832	-1.57	0.123	-.0214004	.0026233
_cons	.147552	.0224572	6.57	0.000	.1024673	.1926366

(1) - imm1_adj - imm3_adj - imm4_adj = 0

ldwroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0011319	.0023413	-0.48	0.631	-.0058322 .0035685

(1) imm1_adj + imm3_adj + imm4_adj = .0011319

ldwroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-3.45e-17	.0023413	-0.00	1.000	-.0047004 .0047004

(1) imm1_adj = 0
(2) imm3_adj = 0
(3) imm4_adj = 0

F(3, 51) = 0.77
 Prob > F = 0.5161

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 51) = 0.23
 Prob > F = 0.6309

(1) - .5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 51) = 1.28
 Prob > F = 0.2626

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NONY_nounemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression Number of obs = 43080
 F(47, 51) = .
 Prob > F = .
 R-squared = 0.1132
 Root MSE = .25605

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0024913	.0032146	0.77	0.442	-.0039623	.0089449
imm3_adj	-.0027941	.0017713	-1.58	0.121	-.0063502	.0007619
imm4_adj	.001452	.0035206	0.41	0.682	-.0056159	.00852
male	.0056587	.003061	1.85	0.070	-.0004864	.0118038
gendermiss_flag	-.0368656	.0046057	-8.00	0.000	-.046112	-.0276192
tsd_age	-.0032788	.0002374	-13.81	0.000	-.0037554	-.0028022
doage2	-.000241	.0001759	-1.37	0.177	-.0005941	.0001121
doage2miss_flag	.2876852	.2527516	1.14	0.260	-.2197349	.7951053
race_a	.0045843	.0100448	0.46	0.650	-.0155815	.0247501
race_b	.0260584	.0045568	5.72	0.000	.0169102	.0352067
race_h	.0138955	.0068739	2.02	0.048	.0000956	.0276953
race_i	.0098252	.0175146	0.56	0.577	-.0253368	.0449872
race_o	-.0127231	.0074366	-1.71	0.093	-.0276527	.0022065
race_mis	.0099855	.0109031	0.92	0.364	-.0119033	.0318744
tsd_edu_hs	.0067735	.0021833	3.10	0.003	.0023903	.0111566
tsd_edu_mrhs	.0364394	.00486	7.50	0.000	.0266826	.0461963
tsd_edu_mis	.0172297	.0031754	5.43	0.000	.0108548	.0236046
tsd_mie_exp	.0110022	.0053224	2.07	0.044	.0003171	.0216873
tsd_mie_mis	-.0033968	.0045269	-0.75	0.456	-.012485	.0056913
tsd_mie_psbl	-.0067723	.0033381	-2.03	0.048	-.0134738	-.0000708
tsd_medicare	-.0165312	.0023896	-6.92	0.000	-.0213285	-.011734
tsd_medicare_miss	-.0509022	.0040012	-12.72	0.000	-.0589349	-.0428695
tsd_depend_1	-.0131532	.004287	-3.07	0.003	-.0217597	-.0045468
tsd_depend_2	-.0071952	.0023029	-3.12	0.003	-.0118184	-.002572
tsd_depend_miss	-.0255396	.0075688	-3.37	0.001	-.0407345	-.0103447
tsd_vrpr	.0047007	.00501	0.94	0.353	-.0053572	.0147586
tsd_vrpr_miss	-.018842	.0052938	-3.56	0.001	-.0294698	-.0082142
pdcgrou2	-.0224871	.0028146	-7.99	0.000	-.0281375	-.0168366
pdcgrou3	.0020594	.0067507	0.31	0.762	-.0114932	.0156121
pdcgrou4	-.0024905	.003637	-0.68	0.497	-.0097921	.0048111
pdcgrou5	-.009099	.0267324	-0.34	0.735	-.0627666	.0445687
cohort2000	.0015344	.0040126	0.38	0.704	-.0065212	.0095899
cohort2001	-.0000891	.0090232	-0.01	0.992	-.018204	.0180257

cohort2002	-.0018853	.0100187	-0.19	0.851	-.0219987	.0182281
cohort2003	.059478	.0167698	3.55	0.001	.0258113	.0931448
cohort2004	.0369036	.0154849	2.38	0.021	.0058164	.0679909
award_b4_tsd	.0252776	.0082074	3.08	0.003	.0088006	.0417546
diaward_tsd	-.0010043	.0003849	-2.61	0.012	-.001777	-.0002317
epeb4twp_flag	-.0787827	.0438982	-1.79	0.079	-.1669119	.0093466
ldwb4twp_flag	.3016477	.1010451	2.99	0.004	.0987912	.5045043
ldwb4epe_flag	.5644533	.0446496	12.64	0.000	.4748155	.6540911
twpb4tsd	.2869954	.0118625	24.19	0.000	.2631804	.3108103
epeb4tsd	.0789689	.0098277	8.04	0.000	.0592389	.0986989
ldwb4tsd	-.2373966	.0076707	-30.95	0.000	-.2527962	-.221997
st_AL	-.0253165	.0429965	-0.59	0.559	-.1116356	.0610026
st_AR	.0112184	.0429082	0.26	0.795	-.0749234	.0973601
st_AZ	.0126232	.0428998	0.29	0.770	-.0735018	.0987482
st_CA	.0745063	.0429028	1.74	0.088	-.0116246	.1606372
st_CO	-.0018631	.042924	-0.04	0.966	-.0880366	.0843103
st_CT	.0253652	.0429476	0.59	0.557	-.0608557	.1115861
st_DC	.2499193	.0432352	5.78	0.000	.163121	.3367175
st_DE	.0186578	.042927	0.43	0.666	-.0675218	.1048374
st_FL	.0077386	.042896	0.18	0.858	-.0783786	.0938559
st_GA	.0282105	.0429738	0.66	0.514	-.058063	.114484
st_HI	-.064764	.0431574	-1.50	0.140	-.1514062	.0218781
st_IA	-.0057359	.0429325	-0.13	0.894	-.0919265	.0804548
st_ID	.0465966	.0429647	1.08	0.283	-.0396586	.1328517
st_IL	.0092178	.0429002	0.21	0.831	-.0769081	.0953436
st_IN	.0906234	.0429887	2.11	0.040	.00432	.1769269
st_KS	-.0533062	.0429269	-1.24	0.220	-.1394855	.0328731
st_KY	.0351646	.0429424	0.82	0.417	-.0510458	.1213751
st_LA	.070183	.0431482	1.63	0.110	-.0164405	.1568065
st_MA	.0232343	.0429134	0.54	0.591	-.0629179	.1093865
st_MD	-.0010266	.0430118	-0.02	0.981	-.0873764	.0853232
st_ME	.1436396	.0431121	3.33	0.002	.0570884	.2301907
st_MI	.0115552	.0429261	0.27	0.789	-.0746225	.0977329
st_MN	-.0164681	.0430113	-0.38	0.703	-.1028168	.0698807
st_MO	-.0155447	.0429642	-0.36	0.719	-.1017989	.0707095
st_MS	.1413687	.0429968	3.29	0.002	.0550491	.2276884
st_MT	-.1092952	.0436726	-2.50	0.016	-.1969715	-.0216188
st_NC	-.0374559	.0429519	-0.87	0.387	-.1236855	.0487737
st_ND	0	(omitted)				
st_NE	-.0460059	.0429795	-1.07	0.289	-.1322909	.0402791
st_NH	.0135668	.0429451	0.32	0.753	-.0726492	.0997827
st_NJ	.0104877	.0429913	0.24	0.808	-.0758209	.0967963
st_NM	-.0745239	.0430272	-1.73	0.089	-.1609046	.0118567
st_NV	.0013049	.043034	0.03	0.976	-.0850894	.0876992
st_NY	0	(omitted)				
st_OH	-.0142241	.0428935	-0.33	0.742	-.1003364	.0718882
st_OK	-.005979	.0428826	-0.14	0.890	-.0920694	.0801113
st_OR	-.0120698	.0429234	-0.28	0.780	-.098242	.0741024
st_PA	-.0149902	.0429545	-0.35	0.729	-.1012248	.0712445
st_PR	-.0776103	.0432278	-1.80	0.079	-.1643938	.0091732
st_RI	.0682069	.0430136	1.59	0.119	-.0181465	.1545602
st_SC	-.0180408	.0429015	-0.42	0.676	-.1041691	.0680874
st_SD	.168736	.0432451	3.90	0.000	.0819178	.2555542
st_TN	.0365539	.0429699	0.85	0.399	-.0497117	.1228195
st_TX	-.003868	.042923	-0.09	0.929	-.0900394	.0823034
st_UT	-.0970006	.0431769	-2.25	0.029	-.1836819	-.0103193
st_VA	.0610463	.0429586	1.42	0.161	-.0251966	.1472893
st_VT	.0025913	.042959	0.06	0.952	-.0836524	.088835
st_WA	.0689603	.0429628	1.61	0.115	-.0172911	.1552116
st_WI	-.0023362	.0429144	-0.05	0.957	-.0884905	.0838181
st_WV	-.0423496	.0430063	-0.98	0.329	-.1286883	.0439891
st_WY	-.0841908	.0432465	-1.95	0.057	-.1710118	.0026301
pial	-.0000164	.0000114	-1.44	0.157	-.0000393	6.50e-06

pia_miss	-.0404452	.0092557	-4.37	0.000	-.0590267	-.0218636
imel	5.94e-06	4.64e-06	1.28	0.206	-3.38e-06	.0000153
ime_miss	-.0227547	.0076004	-2.99	0.004	-.0380131	-.0074963
_cons	.2141617	.045058	4.75	0.000	.1237039	.3046195

(1) - imm1_adj - imm3_adj - imm4_adj = 0

ldwroll148	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-.0011492	.0024247	-0.47	0.638	-.006017	.0037187

(1) imm1_adj + imm3_adj + imm4_adj = .0011492

ldwroll148	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	1.08e-17	.0024247	0.00	1.000	-.0048678	.0048678

- (1) imm1_adj = 0
- (2) imm3_adj = 0
- (3) imm4_adj = 0

F(3, 51) = 1.12
 Prob > F = 0.3513

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 51) = 0.22
 Prob > F = 0.6376

(1) - .5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 51) = 2.55
 Prob > F = 0.1161

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NONY_nounemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(47, 51) = .
 Prob > F = .
 R-squared = 0.1218
 Root MSE = .15742

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll112	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0002756	.0014341	0.19	0.848	-.0026035	.0031546
imm3_adj	.000579	.0010326	0.56	0.577	-.001494	.002652
imm4_adj	-.000277	.0012984	-0.21	0.832	-.0028836	.0023297
male	.0009961	.0006058	1.64	0.106	-.0002201	.0022124
gendermiss_flag	-.0060542	.0018184	-3.33	0.002	-.0097049	-.0024036
tsd_age	-.0006587	.0001721	-3.83	0.000	-.0010041	-.0003132
doage2	-.0003057	.0001789	-1.71	0.094	-.0006649	.0000535

doage2miss_flag	-.0194726	.0128102	-1.52	0.135	-.0451902	.0062451
race_a	.0079048	.0079909	0.99	0.327	-.0081376	.0239472
race_b	.004267	.0014738	2.90	0.006	.0013082	.0072257
race_h	-.0050605	.0036306	-1.39	0.169	-.0123492	.0022283
race_i	.0023733	.0070963	0.33	0.739	-.0118731	.0166198
race_o	-.0127316	.0091854	-1.39	0.172	-.0311721	.0057088
race_mis	.0011449	.0064348	0.18	0.859	-.0117734	.0140632
tsd_edu_hs	.0019635	.0020982	0.94	0.354	-.0022489	.0061758
tsd_edu_mrhs	.0099369	.0017642	5.63	0.000	.0063952	.0134787
tsd_edu_mis	.0118541	.0022754	5.21	0.000	.007286	.0164222
tsd_mie_exp	.0001474	.0036244	0.04	0.968	-.0071288	.0074237
tsd_mie_mis	-.0013835	.0016324	-0.85	0.401	-.0046606	.0018936
tsd_mie_psbl	-.0033174	.0019227	-1.73	0.091	-.0071773	.0005425
tsd_medicare	-.006746	.0023077	-2.92	0.005	-.0113789	-.0021131
tsd_medicare_miss	-.0153065	.0051873	-2.95	0.005	-.0257205	-.0048924
tsd_depend_1	-.006455	.0024063	-2.68	0.010	-.0112858	-.0016241
tsd_depend_2	-.0088209	.0015136	-5.83	0.000	-.0118596	-.0057823
tsd_depend_miss	-.022138	.0056071	-3.95	0.000	-.0333947	-.0108813
tsd_vrpr	.0152958	.0031854	4.80	0.000	.0089008	.0216908
tsd_vrpr_miss	-.0004439	.0037031	-0.12	0.905	-.0078783	.0069904
pdcgrou2	.002281	.0019248	1.19	0.241	-.0015832	.0061451
pdcgrou3	-.0041684	.0025505	-1.63	0.108	-.0092887	.0009519
pdcgrou4	-.0028479	.0025755	-1.11	0.274	-.0080184	.0023227
pdcgrou5	.0373482	.0270556	1.38	0.173	-.0169683	.0916646
cohort2000	-.0099916	.001889	-5.29	0.000	-.0137838	-.0061993
cohort2001	-.0082975	.0041604	-1.99	0.051	-.01665	.0000549
cohort2002	-.0083617	.0069221	-1.21	0.233	-.0222583	.005535
cohort2003	-.0237146	.0075022	-3.16	0.003	-.0387758	-.0086534
cohort2004	-.024095	.0075103	-3.21	0.002	-.0391726	-.0090174
award_b4_tsd	-.004577	.0074488	-0.61	0.542	-.019531	.0103771
diaward_tsd	-.0008537	.0001784	-4.78	0.000	-.001212	-.0004955
epeb4twp_flag	.2890425	.096031	3.01	0.004	.0962523	.4818327
ldwb4twp_flag	-.0356207	.0393251	-0.91	0.369	-.1145691	.0433277
ldwb4epe_flag	.0953841	.0268632	3.55	0.001	.0414541	.1493141
twpb4tsd	.2344835	.0090851	25.81	0.000	.2162445	.2527226
epeb4tsd	-.0928241	.0048673	-19.07	0.000	-.1025957	-.0830526
ldwb4tsd	-.0456049	.0029899	-15.25	0.000	-.0516073	-.0396025
st_AL	.0408719	.0020046	20.39	0.000	.0368474	.0448964
st_AR	.0533911	.002066	25.84	0.000	.0492434	.0575388
st_AZ	.0147557	.0017566	8.40	0.000	.0112292	.0182823
st_CA	.0209524	.0018747	11.18	0.000	.0171889	.024716
st_CO	.0093122	.0015904	5.86	0.000	.0061193	.012505
st_CT	.0716479	.0021377	33.52	0.000	.0673563	.0759394
st_DC	-.0136214	.0040354	-3.38	0.001	-.0217229	-.0055199
st_DE	.0141068	.0018352	7.69	0.000	.0104225	.0177912
st_FL	.0119144	.0015657	7.61	0.000	.0087712	.0150577
st_GA	.0073663	.0018052	4.08	0.000	.0037422	.0109905
st_HI	-.0105276	.003697	-2.85	0.006	-.0179496	-.0031056
st_IA	.017166	.0019536	8.79	0.000	.0132439	.0210881
st_ID	.1049096	.0023238	45.15	0.000	.1002445	.1095748
st_IL	.0206362	.0015381	13.42	0.000	.0175483	.0237241
st_IN	-.0047684	.0019803	-2.41	0.020	-.0087439	-.0007929
st_KS	.0019454	.0013095	1.49	0.144	-.0006836	.0045744
st_KY	.0258337	.0018456	14.00	0.000	.0221286	.0295389
st_LA	-.0600135	.0027241	-22.03	0.000	-.0654824	-.0545445
st_MA	.0190952	.001786	10.69	0.000	.0155097	.0226807
st_MD	-.0363343	.0018584	-19.55	0.000	-.0400652	-.0326033
st_ME	.0046529	.0023393	1.99	0.052	-.0000435	.0093492
st_MI	.0186317	.0022095	8.43	0.000	.0141959	.0230674
st_MN	.0439375	.001911	22.99	0.000	.0401011	.0477739
st_MO	.0380185	.0019798	19.20	0.000	.034044	.041993
st_MS	-.0203494	.001289	-15.79	0.000	-.0229373	-.0177616
st_MT	-.0124475	.0051815	-2.40	0.020	-.0228498	-.0020451

st_NC	-.0228182	.0015546	-14.68	0.000	-.0259391	-.0196972
st_ND	0	(omitted)				
st_NE	-.0048419	.0019662	-2.46	0.017	-.0087892	-.0008946
st_NH	-.0492898	.0020065	-24.57	0.000	-.053318	-.0452616
st_NJ	-.0031059	.0021012	-1.48	0.146	-.0073242	.0011124
st_NM	.0049	.0022672	2.16	0.035	.0003484	.0094516
st_NV	-.0007678	.0026993	-0.28	0.777	-.0061869	.0046513
st_NY	0	(omitted)				
st_OH	-.0154263	.0017602	-8.76	0.000	-.0189601	-.0118925
st_OK	.0129083	.0017446	7.40	0.000	.0094059	.0164106
st_OR	.012469	.0017344	7.19	0.000	.0089872	.0159509
st_PA	-.037781	.0023518	-16.06	0.000	-.0425025	-.0330594
st_PR	.0067086	.0039418	1.70	0.095	-.0012048	.014622
st_RI	.1071929	.0029216	36.69	0.000	.1013275	.1130582
st_SC	.0101554	.0013502	7.52	0.000	.0074449	.012866
st_SD	.0831059	.0031734	26.19	0.000	.076735	.0894768
st_TN	-.0217056	.0015728	-13.80	0.000	-.024863	-.0185481
st_TX	.0097698	.0015016	6.51	0.000	.0067551	.0127844
st_UT	-.0244715	.0028082	-8.71	0.000	-.0301092	-.0188339
st_VA	.008475	.0024521	3.46	0.001	.0035521	.0133979
st_VT	.0178438	.0019732	9.04	0.000	.0138824	.0218051
st_WA	-.0331265	.0017959	-18.45	0.000	-.036732	-.0295211
st_WI	.0175157	.001753	9.99	0.000	.0139965	.021035
st_WV	.000833	.0030589	0.27	0.786	-.005308	.006974
st_WY	-.0100575	.0029801	-3.37	0.001	-.0160403	-.0040747
pial	7.47e-08	8.42e-06	0.01	0.993	-.0000168	.0000017
pia_miss	-.0056534	.0090102	-0.63	0.533	-.0237422	.0124354
ime1	1.24e-06	2.62e-06	0.47	0.638	-4.03e-06	6.51e-06
ime_miss	-.005199	.0039593	-1.31	0.195	-.0131477	.0027496
_cons	.0583524	.0087492	6.67	0.000	.0407877	.0759171

(1) - imm1_adj - imm3_adj - imm4_adj = 0

eperoll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0005776	.001651	-0.35	0.728	-.0038922 .0027369

(1) imm1_adj + imm3_adj + imm4_adj = .0005776

eperoll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	4.77e-18	.001651	0.00	1.000	-.0033145 .0033145

(1) imm1_adj = 0
(2) imm3_adj = 0
(3) imm4_adj = 0

F(3, 51) = 0.14
Prob > F = 0.9377

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 51) = 0.12
Prob > F = 0.7279

(1) - .5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 51) = 0.21

Prob > F = 0.6459

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NONY_nounemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(47, 51) = .
 Prob > F = .
 R-squared = 0.1165
 Root MSE = .21085

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0010804	.0020715	0.52	0.604	-.0030783	.0052391
imm3_adj	-.0007867	.001384	-0.57	0.572	-.0035652	.0019918
imm4_adj	.0005578	.0016142	0.35	0.731	-.0026829	.0037984
male	.0011026	.0012436	0.89	0.379	-.0013941	.0035994
gendermiss_flag	-.0165232	.0026443	-6.25	0.000	-.0218318	-.0112146
tsd_age	-.0017561	.0002398	-7.32	0.000	-.0022374	-.0012747
doage2	-.0001027	.0002267	-0.45	0.653	-.0005578	.0003524
doage2miss_flag	.2937524	.2568607	1.14	0.258	-.2219169	.8094218
race_a	.0005988	.0084479	0.07	0.944	-.0163611	.0175586
race_b	.0099999	.0028444	3.52	0.001	.0042886	.0157093
race_h	-.0015516	.0065767	-0.24	0.814	-.014755	.0116517
race_i	-.0083806	.0067724	-1.24	0.222	-.0219767	.0052155
race_o	-.0185782	.0114529	-1.62	0.111	-.0415709	.0044145
race_mis	.0020242	.0053518	0.38	0.707	-.00872	.0127684
tsd_edu_hs	.0040963	.0035279	1.16	0.251	-.0029863	.0111789
tsd_edu_mrhs	.0180089	.0033563	5.37	0.000	.0112709	.0247469
tsd_edu_mis	.0195852	.003545	5.52	0.000	.0124683	.0267021
tsd_mie_exp	-.0030242	.0064649	-0.47	0.642	-.0160029	.0099546
tsd_mie_mis	-.0091824	.0033931	-2.71	0.009	-.0159943	-.0023705
tsd_mie_psbl	-.0094256	.0025601	-3.68	0.001	-.0145652	-.004286
tsd_medicare	-.012057	.002869	-4.20	0.000	-.0178167	-.0062972
tsd_medicare_miss	-.0321323	.0070685	-4.55	0.000	-.0463229	-.0179417
tsd_depend_1	-.0119211	.0040525	-2.94	0.005	-.0200569	-.0037854
tsd_depend_2	-.011756	.0038136	-3.08	0.003	-.0194122	-.0040999
tsd_depend_miss	-.0389984	.0118935	-3.28	0.002	-.0628756	-.0151213
tsd_vrpr	.0198904	.0056971	3.49	0.001	.0084531	.0313277
tsd_vrpr_miss	-.0107459	.0049495	-2.17	0.035	-.0206825	-.0008093
pdcgrou2	.0014433	.0034261	0.42	0.675	-.0054349	.0083215
pdcgrou3	-.006471	.0035499	-1.82	0.074	-.0135977	.0006557
pdcgrou4	-.0004548	.0034929	-0.13	0.897	-.0074672	.0065575
pdcgrou5	.0292132	.0275195	1.06	0.293	-.0260346	.084461
cohort2000	-.0177387	.0026812	-6.62	0.000	-.0231213	-.012356
cohort2001	-.015548	.0050195	-3.10	0.003	-.025625	-.0054709
cohort2002	-.0107344	.0083001	-1.29	0.202	-.0273975	.0059287
cohort2003	.0015962	.0089928	0.18	0.860	-.0164575	.0196499
cohort2004	-.0561076	.0099784	-5.62	0.000	-.0761402	-.0360751
award_b4_tsd	.0119686	.0089127	1.34	0.185	-.0059245	.0298616
diaward_tsd	-.0012577	.0001799	-6.99	0.000	-.0016188	-.0008967
epeb4twp_flag	.3025231	.0937641	3.23	0.002	.1142839	.4907624
ldwb4twp_flag	-.076062	.0461168	-1.65	0.105	-.1686454	.0165214
ldwb4epe_flag	.2869452	.0458534	6.26	0.000	.1948906	.3789998
twpb4tsd	.2823011	.0121461	23.24	0.000	.2579168	.3066854
epeb4tsd	-.1311954	.0062657	-20.94	0.000	-.1437743	-.1186165
ldwb4tsd	-.0643411	.003822	-16.83	0.000	-.0720141	-.0566681

st_AL	.0866558	.0039031	22.20	0.000	.0788201	.0944916
st_AR	.0552061	.0027939	19.76	0.000	.0495971	.0608151
st_AZ	.0335974	.0026276	12.79	0.000	.0283224	.0388725
st_CA	.0619911	.0028513	21.74	0.000	.0562668	.0677153
st_CO	.030807	.0024809	12.42	0.000	.0258264	.0357876
st_CT	.0568065	.0031817	17.85	0.000	.050419	.0631939
st_DC	-.0327595	.0050727	-6.46	0.000	-.0429435	-.0225755
st_DE	.0366287	.0034677	10.56	0.000	.029667	.0435904
st_FL	.031461	.0025928	12.13	0.000	.0262558	.0366663
st_GA	.0025552	.0031114	0.82	0.415	-.0036912	.0088015
st_HI	-.0127198	.0042058	-3.02	0.004	-.0211632	-.0042764
st_IA	.0403332	.003066	13.15	0.000	.0341778	.0464885
st_ID	.0990498	.0032902	30.10	0.000	.0924446	.1056551
st_IL	.0413718	.0025722	16.08	0.000	.0362079	.0465356
st_IN	.0229594	.0025966	8.84	0.000	.0177465	.0281723
st_KS	.0000222	.0025107	0.01	0.993	-.0050183	.0050627
st_KY	.0774156	.0028052	27.60	0.000	.0717839	.0830472
st_LA	.0282089	.0034898	8.08	0.000	.0212029	.035215
st_MA	.0418011	.0026474	15.79	0.000	.0364863	.047116
st_MD	-.0468407	.0037175	-12.60	0.000	-.0543038	-.0393776
st_ME	.003039	.0033387	0.91	0.367	-.0036638	.0097418
st_MI	.0348834	.0031892	10.94	0.000	.0284808	.041286
st_MN	.0713654	.0032254	22.13	0.000	.0648901	.0778407
st_MO	.0289431	.002635	10.98	0.000	.0236531	.0342331
st_MS	.1250435	.002701	46.30	0.000	.1196211	.1304659
st_MT	-.0508579	.00661	-7.69	0.000	-.064128	-.0375877
st_NC	-.0286423	.0025128	-11.40	0.000	-.0336871	-.0235976
st_ND	0	(omitted)				
st_NE	-.001361	.0027992	-0.49	0.629	-.0069806	.0042586
st_NH	-.0557434	.0030614	-18.21	0.000	-.0618893	-.0495974
st_NJ	.0104225	.0026648	3.91	0.000	.0050727	.0157724
st_NM	.005887	.003051	1.93	0.059	-.0002382	.0120121
st_NV	-.0123581	.003766	-3.28	0.002	-.0199186	-.0047976
st_NY	0	(omitted)				
st_OH	.007477	.0026888	2.78	0.008	.002079	.012875
st_OK	.0216178	.0026589	8.13	0.000	.0162799	.0269557
st_OR	.0281072	.0026961	10.43	0.000	.0226946	.0335199
st_PA	-.0265025	.0031666	-8.37	0.000	-.0328598	-.0201453
st_PR	-.0008785	.0078506	-0.11	0.911	-.0166393	.0148824
st_RI	.0893753	.0052068	17.17	0.000	.0789223	.0998283
st_SC	.021609	.0024603	8.78	0.000	.0166697	.0265482
st_SD	.0765245	.0048876	15.66	0.000	.0667123	.0863367
st_TN	.0122409	.0025126	4.87	0.000	.0071967	.0172851
st_TX	.0255372	.0024828	10.29	0.000	.0205528	.0305216
st_UT	.0711246	.0045408	15.66	0.000	.0620086	.0802405
st_VA	.0014086	.0030997	0.45	0.651	-.0048143	.0076315
st_VT	.0399566	.0030529	13.09	0.000	.0338277	.0460856
st_WA	-.0457064	.0027661	-16.52	0.000	-.0512596	-.0401533
st_WI	.0310353	.0028765	10.79	0.000	.0252604	.0368102
st_WV	-.0085555	.0055223	-1.55	0.128	-.0196421	.002531
st_WY	-.0188409	.0042604	-4.42	0.000	-.0273939	-.0102878
pia1	8.97e-06	.0000107	0.84	0.407	-.0000126	.0000305
pia_miss	.0023625	.0129824	0.18	0.856	-.0237008	.0284258
ime1	-1.39e-06	3.32e-06	-0.42	0.679	-8.06e-06	5.29e-06
ime_miss	-.0191666	.0041416	-4.63	0.000	-.0274812	-.010852
_cons	.1149755	.0153891	7.47	0.000	.0840805	.1458704

(1) - imm1_adj - imm3_adj - imm4_adj = 0

eperoll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
-----------	-------	-----------	---	------	----------------------

(1) | -.0008514 .0012827 -0.66 0.510 -.0034265 .0017236

(1) imm1_adj + imm3_adj + imm4_adj = .0008514

eperoll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	3.35e-17	.0012827	0.00	1.000	-.0025751	.0025751

(1) imm1_adj = 0
 (2) imm3_adj = 0
 (3) imm4_adj = 0

F(3, 51) = 0.33
 Prob > F = 0.8036

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 51) = 0.44
 Prob > F = 0.5098

(1) -.5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 51) = 0.67
 Prob > F = 0.4164

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NONY_nounemp.xls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(47, 51) = .
 Prob > F = .
 R-squared = 0.1162
 Root MSE = .25257

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0017483	.0031247	0.56	0.578	-.0045248	.0080214
imm3_adj	-.0013613	.0029423	-0.46	0.646	-.0072683	.0045457
imm4_adj	-.0000296	.0026217	-0.01	0.991	-.005293	.0052338
male	-.0024361	.0015207	-1.60	0.115	-.0054891	.0006169
gendermiss_flag	-.0295044	.0039194	-7.53	0.000	-.0373728	-.021636
tsd_age	-.0028239	.0002465	-11.46	0.000	-.0033188	-.0023291
doage2	-.0001271	.0002266	-0.56	0.577	-.000582	.0003278
doage2miss_flag	.2736083	.246304	1.11	0.272	-.2208675	.7680842
race_a	.004016	.0135406	0.30	0.768	-.0231679	.0311999
race_b	.0180988	.0030282	5.98	0.000	.0120194	.0241782
race_h	-.0008359	.006611	-0.13	0.900	-.0141081	.0124364
race_i	-.0065585	.0089843	-0.73	0.469	-.0245953	.0114783
race_o	-.0259756	.0107221	-2.42	0.019	-.0475012	-.00445
race_mis	.0018763	.0097249	0.19	0.848	-.0176472	.0213998
tsd_edu_hs	.0039172	.0032604	1.20	0.235	-.0026284	.0104628
tsd_edu_mrhs	.0238529	.0040589	5.88	0.000	.0157042	.0320016
tsd_edu_mis	.0200323	.0048107	4.16	0.000	.0103743	.0296903
tsd_mie_exp	-.0083786	.0065076	-1.29	0.204	-.0214432	.004686

tsd_mie_mis	-.010258	.0035773	-2.87	0.006	-.0174398	-.0030761
tsd_mie_psbl	-.0153789	.002409	-6.38	0.000	-.0202152	-.0105426
tsd_medicare	-.0152351	.0022095	-6.90	0.000	-.0196708	-.0107994
tsd_medicare_miss	-.0478932	.0073669	-6.50	0.000	-.0626828	-.0331035
tsd_depend_1	-.015146	.0053311	-2.84	0.006	-.0258486	-.0044435
tsd_depend_2	-.0118068	.0037259	-3.17	0.003	-.019287	-.0043267
tsd_depend_miss	-.0417238	.0116336	-3.59	0.001	-.0650793	-.0183683
tsd_vrpr	.0077948	.0063484	1.23	0.225	-.0049503	.0205398
tsd_vrpr_miss	-.0408328	.0058816	-6.94	0.000	-.0526405	-.0290251
pdcgrou2	-.0035337	.003959	-0.89	0.376	-.0114817	.0044143
pdcgrou3	-.0087099	.0049418	-1.76	0.084	-.0186309	.0012111
pdcgrou4	-.0060353	.0033036	-1.83	0.074	-.0126675	.0005969
pdcgrou5	.0146959	.0278539	0.53	0.600	-.0412232	.0706149
cohort2000	-.0115791	.0039798	-2.91	0.005	-.0195688	-.0035894
cohort2001	-.0069594	.0067057	-1.04	0.304	-.0204216	.0065029
cohort2002	-.0012573	.0099021	-0.13	0.899	-.0211365	.0186219
cohort2003	.073658	.0186599	3.95	0.000	.0361967	.1111193
cohort2004	-.0098842	.0159152	-0.62	0.537	-.0418353	.0220669
award_b4_tsd	.0241683	.010311	2.34	0.023	.0034681	.0448684
diaward_tsd	-.0010954	.0002897	-3.78	0.000	-.0016769	-.0005138
epeb4twp_flag	.3108895	.0943575	3.29	0.002	.1214589	.5003201
ldwb4twp_flag	-.1113436	.0557814	-2.00	0.051	-.2233295	.0006424
ldwb4epe_flag	.4358519	.0489498	8.90	0.000	.3375811	.5341227
twpb4tsd	.3094962	.0098232	31.51	0.000	.2897753	.3292172
epeb4tsd	-.1658262	.0061865	-26.80	0.000	-.1782462	-.1534062
ldwb4tsd	-.0809781	.004853	-16.69	0.000	-.0907208	-.0712353
st_AL	.0834842	.0071322	11.71	0.000	.0691658	.0978026
st_AR	.0520872	.0062616	8.32	0.000	.0395165	.064658
st_AZ	.0659188	.006228	10.58	0.000	.0534155	.0784221
st_CA	.0813696	.0063428	12.83	0.000	.068636	.0941033
st_CO	.0511178	.0061741	8.28	0.000	.0387228	.0635128
st_CT	.0448326	.0063089	7.11	0.000	.032167	.0574982
st_DC	-.0440539	.0076361	-5.77	0.000	-.0593839	-.0287238
st_DE	.0660841	.0064032	10.32	0.000	.0532292	.0789391
st_FL	.0519199	.0061324	8.47	0.000	.0396085	.0642313
st_GA	.0476597	.0066794	7.14	0.000	.0342503	.0610692
st_HI	-.0147741	.0070823	-2.09	0.042	-.0289925	-.0005557
st_IA	.0579075	.0065358	8.86	0.000	.0447864	.0710285
st_ID	.0947342	.0062449	15.17	0.000	.0821971	.1072713
st_IL	.0642956	.0061533	10.45	0.000	.0519423	.0766489
st_IN	.0556614	.0061799	9.01	0.000	.0432548	.068068
st_KS	.0460478	.0063627	7.24	0.000	.033274	.0588215
st_KY	.0762764	.0062482	12.21	0.000	.0637326	.0888201
st_LA	.0270454	.0064689	4.18	0.000	.0140586	.0400323
st_MA	.0654585	.0062436	10.48	0.000	.0529239	.0779931
st_MD	.0034704	.0065006	0.53	0.596	-.0095801	.0165208
st_ME	-.0033298	.0066879	-0.50	0.621	-.0167563	.0100968
st_MI	.0224318	.0064533	3.48	0.001	.0094763	.0353873
st_MN	.0607988	.0065366	9.30	0.000	.047676	.0739215
st_MO	.0406459	.0063565	6.39	0.000	.0278846	.0534072
st_MS	.1134708	.0067748	16.75	0.000	.0998697	.1270718
st_MT	-.086488	.0106518	-8.12	0.000	-.1078724	-.0651036
st_NC	.0187228	.0061986	3.02	0.004	.0062786	.0311671
st_ND	0	(omitted)				
st_NE	.0044495	.006499	0.68	0.497	-.0085979	.0174968
st_NH	-.0014592	.0064327	-0.23	0.821	-.0143733	.0114549
st_NJ	.0644291	.0063791	10.10	0.000	.0516224	.0772357
st_NM	.0068241	.0066581	1.02	0.310	-.0065425	.0201908
st_NV	.0509773	.0070353	7.25	0.000	.0368533	.0651013
st_NY	0	(omitted)				
st_OH	.0056973	.0062479	0.91	0.366	-.0068459	.0182405
st_OK	.0446673	.0062861	7.11	0.000	.0320474	.0572873
st_OR	.0440234	.0063862	6.89	0.000	.0312026	.0568443

st_PA	-.0154351	.0063359	-2.44	0.018	-.028155	-.0027153
st_PR	-.0154287	.0090149	-1.71	0.093	-.0335268	.0026694
st_RI	.0734778	.0083273	8.82	0.000	.0567601	.0901956
st_SC	.0374633	.0061873	6.05	0.000	.0250418	.0498848
st_SD	.2178649	.0073392	29.69	0.000	.2031309	.2325989
st_TN	.0468941	.0062316	7.53	0.000	.0343837	.0594044
st_TX	.0200249	.0060657	3.30	0.002	.0078474	.0322023
st_UT	.0533042	.0081894	6.51	0.000	.0368632	.0697451
st_VA	-.005785	.0063539	-0.91	0.367	-.0185409	.0069709
st_VT	.0527788	.0066029	7.99	0.000	.039523	.0660346
st_WA	-.0223371	.0063335	-3.53	0.001	-.035052	-.0096221
st_WI	.0506325	.0063912	7.92	0.000	.0378017	.0634634
st_WV	-.021226	.0078437	-2.71	0.009	-.0369728	-.0054791
st_WY	-.0236261	.0074612	-3.17	0.003	-.038605	-.0086472
pial	.0000243	.0000124	1.96	0.055	-5.68e-07	.0000491
pia_miss	-.0021827	.0164946	-0.13	0.895	-.035297	.0309315
ime1	-6.00e-06	4.27e-06	-1.40	0.166	-.0000146	2.58e-06
ime_miss	-.0375461	.0050239	-7.47	0.000	-.047632	-.0274602
_cons	.1777164	.0159524	11.14	0.000	.1456906	.2097421

(1) - imm1_adj - imm3_adj - imm4_adj = 0

eperoll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0003574	.0019448	-0.18	0.855	-.0042617 .0035468

(1) imm1_adj + imm3_adj + imm4_adj = .0003574

eperoll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-1.47e-17	.0019448	-0.00	1.000	-.0039043 .0039043

(1) imm1_adj = 0

(2) imm3_adj = 0

(3) imm4_adj = 0

F(3, 51) = 0.14
Prob > F = 0.9353

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 51) = 0.03
Prob > F = 0.8549

(1) - .5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 51) = 0.24
Prob > F = 0.6269

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\LPM_PH1NONY_nounemp.xls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080

F(47, 51) = .

Prob > F = .

R-squared = 0.1180
 Root MSE = .27972

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0008842	.0027082	0.33	0.745	-.0045526	.0063211
imm3_adj	-.0019883	.003094	-0.64	0.523	-.0081997	.0042231
imm4_adj	.0012336	.0027523	0.45	0.656	-.0042918	.006759
male	-.0014729	.0016504	-0.89	0.376	-.0047862	.0018404
gendermiss_flag	-.0415758	.00482	-8.63	0.000	-.0512525	-.0318992
tsd_age	-.0035453	.0002136	-16.60	0.000	-.0039742	-.0031165
doage2	-.0002573	.0002594	-0.99	0.326	-.0007781	.0002635
doage2miss_flag	.2567679	.2382055	1.08	0.286	-.2214496	.7349853
race_a	-.001625	.0151248	-0.11	0.915	-.0319892	.0287392
race_b	.0222553	.0035629	6.25	0.000	.0151025	.0294082
race_h	-.002374	.0072215	-0.33	0.744	-.0168717	.0121238
race_i	-.0061178	.0145345	-0.42	0.676	-.0352971	.0230614
race_o	-.037375	.0115781	-3.23	0.002	-.060619	-.0141309
race_mis	.0004862	.0086392	0.06	0.955	-.0168578	.0178302
tsd_edu_hs	.0055657	.0032824	1.70	0.096	-.001024	.0121555
tsd_edu_mrhs	.0279159	.0047408	5.89	0.000	.0183984	.0374333
tsd_edu_mis	.0215323	.0060648	3.55	0.001	.0093567	.033708
tsd_mie_exp	-.0002162	.0079518	-0.03	0.978	-.0161801	.0157477
tsd_mie_mis	-.0089745	.0036055	-2.49	0.016	-.0162128	-.0017363
tsd_mie_psbl	-.0155786	.0032506	-4.79	0.000	-.0221045	-.0090527
tsd_medicare	-.017269	.0023992	-7.20	0.000	-.0220856	-.0124525
tsd_medicare_miss	-.0633959	.0074317	-8.53	0.000	-.0783157	-.0484761
tsd_depend_1	-.016829	.0048927	-3.44	0.001	-.0266515	-.0070065
tsd_depend_2	-.0081527	.0033417	-2.44	0.018	-.0148615	-.0014438
tsd_depend_miss	-.0577497	.0123283	-4.68	0.000	-.0824997	-.0329997
tsd_vrpr	-.0053678	.0073482	-0.73	0.468	-.0201199	.0093843
tsd_vrpr_miss	-.0674879	.0066456	-10.16	0.000	-.0808295	-.0541464
pdcgrou2	-.0087182	.0058728	-1.48	0.144	-.0205084	.0030719
pdcgrou3	-.0113829	.0064916	-1.75	0.086	-.0244154	.0016496
pdcgrou4	-.0101757	.0038718	-2.63	0.011	-.0179485	-.0024028
pdcgrou5	.0257662	.0282285	0.91	0.366	-.0309048	.0824373
cohort2000	-.0085275	.0043596	-1.96	0.056	-.0172798	.0002249
cohort2001	-.0024077	.0086633	-0.28	0.782	-.0198	.0149847
cohort2002	-.0049411	.011954	-0.41	0.681	-.0289397	.0190575
cohort2003	.0947696	.0191773	4.94	0.000	.0562695	.1332697
cohort2004	.0104315	.0225826	0.46	0.646	-.0349049	.0557678
award_b4_tsd	.0396483	.0127741	3.10	0.003	.0140033	.0652934
diaward_tsd	-.0011799	.0003813	-3.09	0.003	-.0019454	-.0004145
epeb4twp_flag	.3150601	.0959823	3.28	0.002	.1223676	.5077526
ldwb4twp_flag	-.1394272	.0655864	-2.13	0.038	-.2710973	-.007757
ldwb4epe_flag	.5468867	.0413242	13.23	0.000	.4639249	.6298486
twpb4tsd	.320975	.008158	39.34	0.000	.3045971	.3373529
epeb4tsd	-.1907712	.0057857	-32.97	0.000	-.2023864	-.179156
ldwb4tsd	-.09187	.005261	-17.46	0.000	-.1024319	-.0813081
st_AL	.0765035	.01054	7.26	0.000	.0553436	.0976633
st_AR	.0485406	.0099726	4.87	0.000	.0285198	.0685613
st_AZ	.0846106	.0097564	8.67	0.000	.0650239	.1041973
st_CA	.0796875	.0096957	8.22	0.000	.0602225	.0991525
st_CO	.0651768	.0096716	6.74	0.000	.0457604	.0845933
st_CT	.128196	.0099166	12.93	0.000	.1082877	.1481043
st_DC	-.0529746	.0109923	-4.82	0.000	-.0750426	-.0309066
st_DE	.0800262	.0098452	8.13	0.000	.0602611	.0997913
st_FL	.0699408	.0096443	7.25	0.000	.050579	.0893025
st_GA	.0775026	.010146	7.64	0.000	.0571336	.0978716
st_HI	-.0147179	.0099611	-1.48	0.146	-.0347157	.0052799

st_IA	.072144	.0100343	7.19	0.000	.0519994	.0922887
st_ID	.0930051	.009643	9.64	0.000	.0736459	.1123643
st_IL	.0796567	.0097463	8.17	0.000	.0600901	.0992233
st_IN	.0512135	.009712	5.27	0.000	.0317158	.0707112
st_KS	.092025	.009655	9.53	0.000	.0726418	.1114082
st_KY	.0757204	.0098005	7.73	0.000	.056045	.0953958
st_LA	.0281278	.0100032	2.81	0.007	.0080456	.04821
st_MA	.0871155	.0097901	8.90	0.000	.0674611	.10677
st_MD	-.0016602	.0098789	-0.17	0.867	-.0214929	.0181725
st_ME	-.0101763	.0101302	-1.00	0.320	-.0305135	.0101609
st_MI	.0411781	.0098867	4.16	0.000	.0213296	.0610265
st_MN	.0524035	.0098851	5.30	0.000	.0325584	.0722486
st_MO	.0555232	.0098634	5.63	0.000	.0357216	.0753248
st_MS	.1030486	.0100634	10.24	0.000	.0828455	.1232516
st_MT	-.120358	.0145113	-8.29	0.000	-.1494907	-.0912253
st_NC	.0150293	.0096948	1.55	0.127	-.0044338	.0344925
st_ND	0	(omitted)				
st_NE	.0601471	.0100787	5.97	0.000	.0399133	.080381
st_NH	-.0035523	.0097769	-0.36	0.718	-.0231802	.0160756
st_NJ	.0614201	.0100465	6.11	0.000	.041251	.0815892
st_NM	.0091385	.010486	0.87	0.388	-.0119131	.0301901
st_NV	.044025	.0104709	4.20	0.000	.0230038	.0650462
st_NY	0	(omitted)				
st_OH	.0026079	.0096765	0.27	0.789	-.0168185	.0220343
st_OK	.0600868	.009757	6.16	0.000	.0404989	.0796747
st_OR	.0616172	.0098709	6.24	0.000	.0418007	.0814338
st_PA	-.0225711	.0098899	-2.28	0.027	-.0424259	-.0027164
st_PR	-.0166362	.012464	-1.33	0.188	-.0416588	.0083864
st_RI	.2065476	.0107397	19.23	0.000	.1849868	.2281084
st_SC	.0496329	.0097246	5.10	0.000	.03011	.0691558
st_SD	.2190336	.0108156	20.25	0.000	.1973204	.2407468
st_TN	.1237521	.0096489	12.83	0.000	.1043813	.143123
st_TX	.0176517	.0096758	1.82	0.074	-.0017733	.0370767
st_UT	.0428421	.0119461	3.59	0.001	.0188593	.066825
st_VA	-.0119124	.0099993	-1.19	0.239	-.0319869	.0081621
st_VT	.0843797	.0101483	8.31	0.000	.0640061	.1047534
st_WA	-.0291385	.0098257	-2.97	0.005	-.0488644	-.0094125
st_WI	.0690104	.0098844	6.98	0.000	.0491666	.0888542
st_WV	-.0280229	.0110528	-2.54	0.014	-.0502124	-.0058335
st_WY	-.0310914	.0104437	-2.98	0.004	-.052058	-.0101248
pial	.0000347	.0000143	2.42	0.019	5.95e-06	.0000635
pia_miss	.0142675	.0190232	0.75	0.457	-.0239232	.0524582
ime1	-.0000105	4.87e-06	-2.15	0.036	-.0000203	-7.17e-07
ime_miss	-.0556477	.0064023	-8.69	0.000	-.0685009	-.0427946
_cons	.2302511	.0211842	10.87	0.000	.187722	.2727802

(1) - imm1_adj - imm3_adj - imm4_adj = 0

eperoll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0001296	.0023813	-0.05	0.957	-.0049102 .004651

(1) imm1_adj + imm3_adj + imm4_adj = .0001296

eperoll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-6.18e-18	.0023813	-0.00	1.000	-.0047806 .0047806

(1) imm1_adj = 0
 (2) imm3_adj = 0
 (3) imm4_adj = 0

F(3, 51) = 0.23
 Prob > F = 0.8785

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 51) = 0.00
 Prob > F = 0.9568

(1) -.5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 51) = 0.59
 Prob > F = 0.4453

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NONY_nounemp.xls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(47, 51) = .
 Prob > F = .
 R-squared = 0.0264
 Root MSE = .19944

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0022267	.0018624	-1.20	0.237	-.0059657	.0015123
imm3_adj	-.001012	.0015635	-0.65	0.520	-.0041508	.0021268
imm4_adj	.0034702	.0013375	2.59	0.012	.0007851	.0061553
male	-.0015399	.0013192	-1.17	0.249	-.0041884	.0011085
gendermiss_flag	-.0309693	.0024535	-12.62	0.000	-.0358949	-.0260437
tsd_age	-.0016752	.000245	-6.84	0.000	-.002167	-.0011834
doage2	.0000185	.0001993	0.09	0.927	-.0003816	.0004185
doage2miss_flag	-.0472507	.0148379	-3.18	0.002	-.0770391	-.0174623
race_a	.0007525	.0088849	0.08	0.933	-.0170846	.0185896
race_b	.0057062	.0040197	1.42	0.162	-.0023637	.0137762
race_h	.0023444	.0045396	0.52	0.608	-.0067693	.0114581
race_i	-.0156767	.006808	-2.30	0.025	-.0293442	-.0020091
race_o	-.0219998	.0045622	-4.82	0.000	-.0311588	-.0128408
race_mis	.0060343	.0092154	0.65	0.516	-.0124665	.0245351
tsd_edu_hs	.0020021	.0028759	0.70	0.489	-.0037715	.0077756
tsd_edu_mrhs	.0165673	.0036876	4.49	0.000	.0091641	.0239705
tsd_edu_mis	.0065422	.00241	2.71	0.009	.001704	.0113804
tsd_mie_exp	.0045162	.003664	1.23	0.223	-.0028397	.0118721
tsd_mie_mis	-.0093312	.0024898	-3.75	0.000	-.0143298	-.0043327
tsd_mie_psbl	.0030397	.0025118	1.21	0.232	-.0020029	.0080824
tsd_medicare	-.0157098	.001915	-8.20	0.000	-.0195544	-.0118652
tsd_medicare_miss	-.0361738	.0039632	-9.13	0.000	-.0441303	-.0282172
tsd_depend_1	-.0088696	.0018028	-4.92	0.000	-.012489	-.0052503
tsd_depend_2	-.0004458	.0022541	-0.20	0.844	-.004971	.0040794
tsd_depend_miss	-.0301773	.0058365	-5.17	0.000	-.0418945	-.01846
tsd_vrpr	-.0122568	.0077025	-1.59	0.118	-.0277202	.0032066
tsd_vrpr_miss	-.0355649	.0063097	-5.64	0.000	-.0482321	-.0228976
pdcgrou2	-.0177207	.0021565	-8.22	0.000	-.02205	-.0133913
pdcgrou3	-.0135628	.0020484	-6.62	0.000	-.0176752	-.0094505

pdcgrou4	-.0127847	.0018846	-6.78	0.000	-.0165682	-.0090011
pdcgrou5	-.0036762	.0246856	-0.15	0.882	-.0532346	.0458823
cohort2000	-.0110169	.0036171	-3.05	0.004	-.0182786	-.0037552
cohort2001	-.0181715	.0058918	-3.08	0.003	-.0299998	-.0063433
cohort2002	-.0144137	.0105334	-1.37	0.177	-.0355604	.006733
cohort2003	-.0340465	.0086819	-3.92	0.000	-.0514762	-.0166168
cohort2004	-.0432914	.0120948	-3.58	0.001	-.0675728	-.01901
award_b4_tsd	.0124493	.0064299	1.94	0.058	-.0004593	.025358
diaward_tsd	-.0008745	.0002663	-3.28	0.002	-.001409	-.0003399
epeb4twp_flag	.0252208	.0723223	0.35	0.729	-.1199724	.1704139
ldwb4twp_flag	.0045784	.0852708	0.05	0.957	-.16661	.1757668
ldwb4epe_flag	.1366902	.0341013	4.01	0.000	.0682291	.2051514
twpb4tsd	-.0473975	.0017742	-26.71	0.000	-.0509593	-.0438356
epeb4tsd	-.0332887	.0019905	-16.72	0.000	-.0372848	-.0292927
ldwb4tsd	-.0135313	.0013327	-10.15	0.000	-.0162069	-.0108556
st_AL	.0404035	.0066012	6.12	0.000	.027151	.0536561
st_AR	-.0019402	.0065263	-0.30	0.767	-.0150423	.0111619
st_AZ	.036696	.0064567	5.68	0.000	.0237337	.0496583
st_CA	.0459328	.0064502	7.12	0.000	.0329835	.058882
st_CO	.0371579	.0064077	5.80	0.000	.0242939	.0500219
st_CT	-.0065633	.0066096	-0.99	0.325	-.0198326	.006706
st_DC	-.0208073	.0066649	-3.12	0.003	-.0341876	-.007427
st_DE	.0473775	.0064084	7.39	0.000	.0345121	.0602428
st_FL	.0396308	.0064152	6.18	0.000	.0267519	.0525098
st_GA	.0628701	.0063957	9.83	0.000	.0500303	.0757099
st_HI	-.0144275	.0070571	-2.04	0.046	-.0285952	-.0002598
st_IA	.0378548	.006398	5.92	0.000	.0250103	.0506994
st_ID	.0063024	.0065604	0.96	0.341	-.0068682	.0194731
st_IL	.0421882	.0064415	6.55	0.000	.0292563	.05512
st_IN	-.0007654	.0064382	-0.12	0.906	-.0136905	.0121598
st_KS	-.0005864	.0064425	-0.09	0.928	-.0135203	.0123476
st_KY	.0570553	.0064455	8.85	0.000	.0441154	.0699953
st_LA	.1106326	.0067501	16.39	0.000	.0970812	.1241839
st_MA	.0446051	.0063889	6.98	0.000	.0317788	.0574315
st_MD	-.0076959	.0065231	-1.18	0.244	-.0207914	.0053997
st_ME	-.0056177	.0064554	-0.87	0.388	-.0185775	.007342
st_MI	.053742	.0063668	8.44	0.000	.0409601	.0665239
st_MN	.0326305	.0064495	5.06	0.000	.0196827	.0455784
st_MO	.045018	.0063309	7.11	0.000	.0323081	.0577279
st_MS	.0686694	.0065149	10.54	0.000	.0555901	.0817487
st_MT	-.0684788	.0099991	-6.85	0.000	-.0885528	-.0484047
st_NC	.0268105	.006352	4.22	0.000	.0140583	.0395626
st_ND	0	(omitted)				
st_NE	.0102208	.0065593	1.56	0.125	-.0029475	.0233891
st_NH	.0134156	.0063691	2.11	0.040	.0006291	.0262022
st_NJ	.018509	.0065141	2.84	0.006	.0054314	.0315866
st_NM	.0927851	.0067181	13.81	0.000	.0792979	.1062722
st_NV	.0291036	.0064845	4.49	0.000	.0160855	.0421217
st_NY	0	(omitted)				
st_OH	.023106	.0065296	3.54	0.001	.0099974	.0362146
st_OK	.0314843	.0064114	4.91	0.000	.0186129	.0443558
st_OR	.0287949	.0063838	4.51	0.000	.015979	.0416108
st_PA	.0038561	.0064053	0.60	0.550	-.0090031	.0167153
st_PR	.0321316	.0080951	3.97	0.000	.0158801	.0483832
st_RI	-.0098603	.0067612	-1.46	0.151	-.023434	.0037133
st_SC	.0243238	.0064393	3.78	0.000	.0113964	.0372512
st_SD	.0193426	.0065224	2.97	0.005	.0062482	.0324369
st_TN	.0299233	.0063607	4.70	0.000	.0171536	.042693
st_TX	.0022727	.0064117	0.35	0.724	-.0105994	.0151449
st_UT	.0070858	.0065752	1.08	0.286	-.0061145	.0202862
st_VA	.00418	.006437	0.65	0.519	-.0087428	.0171028
st_VT	.0490182	.0064166	7.64	0.000	.0361363	.0619001
st_WA	-.0042056	.0064035	-0.66	0.514	-.0170612	.00865

st_WI		.0311948	.006382	4.89	0.000	.0183824	.0440071
st_WV		-.0030936	.0065307	-0.47	0.638	-.0162044	.0100173
st_WY		-.0299592	.0069539	-4.31	0.000	-.0439197	-.0159987
pial		.0000319	6.02e-06	5.30	0.000	.0000198	.000044
pia_miss		.0309081	.0049294	6.27	0.000	.021012	.0408042
ime1		-.0000119	2.21e-06	-5.38	0.000	-.0000164	-7.47e-06
ime_miss		-.0321624	.0053473	-6.01	0.000	-.0428975	-.0214272
_cons		.1318786	.0089105	14.80	0.000	.11399	.1497671

(1) - imm1_adj - imm3_adj - imm4_adj = 0

twproll12		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)		-.0002316	.0020889	-0.11	0.912	-.0044252 .003962

(1) imm1_adj + imm3_adj + imm4_adj = .0002316

twproll12		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)		3.74e-17	.0020889	0.00	1.000	-.0041936 .0041936

(1) imm1_adj = 0
(2) imm3_adj = 0
(3) imm4_adj = 0

F(3, 51) = 3.16
Prob > F = 0.0322

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 51) = 0.01
Prob > F = 0.9122

(1) - .5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 51) = 2.71
Prob > F = 0.1056

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH1NONY_nounemp.xls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
F(47, 51) = .
Prob > F = .
R-squared = 0.0426
Root MSE = .25319

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll24		Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
imm1_adj		-.0022248	.0023905	-0.93	0.356	-.0070241 .0025744
imm3_adj		.0003927	.0023397	0.17	0.867	-.0043045 .0050899
imm4_adj		.0013819	.0017828	0.78	0.442	-.0021972 .0049611

male	-.0031058	.0024136	-1.29	0.204	-.0079514	.0017397
gendermiss_flag	-.0523431	.0044353	-11.80	0.000	-.0612475	-.0434388
tsd_age	-.0028019	.0001939	-14.45	0.000	-.0031911	-.0024127
doage2	-.0001185	.0001758	-0.67	0.503	-.0004715	.0002345
doage2miss_flag	-.0769887	.0277277	-2.78	0.008	-.1326544	-.021323
race_a	.0044382	.0149135	0.30	0.767	-.025502	.0343784
race_b	.0110861	.0030499	3.63	0.001	.0049632	.0172089
race_h	.001403	.0062309	0.23	0.823	-.0111061	.013912
race_i	-.018162	.0098263	-1.85	0.070	-.0378892	.0015652
race_o	-.0276589	.0095979	-2.88	0.006	-.0469275	-.0083904
race_mis	.0013837	.0109419	0.13	0.900	-.0205832	.0233505
tsd_edu_hs	.0051476	.0023456	2.19	0.033	.0004386	.0098566
tsd_edu_mrhs	.0232057	.0033345	6.96	0.000	.0165113	.0299
tsd_edu_mis	.0082456	.0033237	2.48	0.016	.001573	.0149183
tsd_mie_exp	-.0004939	.0048264	-0.10	0.919	-.0101834	.0091956
tsd_mie_mis	-.0074388	.0020997	-3.54	0.001	-.0116542	-.0032234
tsd_mie_psbl	.0026775	.003352	0.80	0.428	-.0040519	.0094068
tsd_medicare	-.0228115	.0025085	-9.09	0.000	-.0278476	-.0177755
tsd_medicare_mis	-.0597794	.0044415	-13.46	0.000	-.0686961	-.0508627
tsd_depend_1	-.0083832	.0028098	-2.98	0.004	-.0140241	-.0027423
tsd_depend_2	-.0005477	.0034099	-0.16	0.873	-.0073933	.0062979
tsd_depend_mis	-.0484991	.0065219	-7.44	0.000	-.0615923	-.0354059
tsd_vrpr	-.0384381	.0072885	-5.27	0.000	-.0530705	-.0238058
tsd_vrpr_mis	-.0751693	.0068839	-10.92	0.000	-.0889893	-.0613494
pdcgrou2	-.0275532	.004741	-5.81	0.000	-.0370712	-.0180353
pdcgrou3	-.0233595	.0041044	-5.69	0.000	-.0315995	-.0151195
pdcgrou4	-.0221603	.0043415	-5.10	0.000	-.0308762	-.0134444
pdcgrou5	.002777	.0297504	0.09	0.926	-.0569495	.0625035
cohort2000	-.0111217	.0048472	-2.29	0.026	-.0208529	-.0013905
cohort2001	-.016355	.0085174	-1.92	0.060	-.0334544	.0007443
cohort2002	-.013507	.014324	-0.94	0.350	-.0422637	.0152497
cohort2003	.0069111	.0168273	0.41	0.683	-.026871	.0406932
cohort2004	-.0503377	.0138209	-3.64	0.001	-.0780844	-.022591
award_b4_tsd	.0264093	.0063427	4.16	0.000	.0136757	.0391429
diaward_tsd	-.000911	.0003953	-2.30	0.025	-.0017045	-.0001175
epeb4twp_flag	.0637695	.0677341	0.94	0.351	-.0722125	.1997514
ldwb4twp_flag	.0129133	.0741214	0.17	0.862	-.1358916	.1617181
ldwb4epe_flag	.2693015	.0308594	8.73	0.000	.2073487	.3312543
twpb4tsd	-.0786127	.0029079	-27.03	0.000	-.0844505	-.0727749
epeb4tsd	-.056026	.0031013	-18.07	0.000	-.0622521	-.0497998
ldwb4tsd	-.024603	.0014073	-17.48	0.000	-.0274283	-.0217777
st_AL	.0327571	.0112144	2.92	0.005	.0102432	.0552709
st_AR	.0559751	.0111646	5.01	0.000	.0335612	.078389
st_AZ	.0762192	.0111121	6.86	0.000	.0539107	.0985278
st_CA	.0589715	.0110697	5.33	0.000	.0367482	.0811947
st_CO	.0632972	.0110689	5.72	0.000	.0410755	.085519
st_CT	.0484674	.011147	4.35	0.000	.0260888	.070846
st_DC	-.0293249	.0123294	-2.38	0.021	-.0540771	-.0045726
st_DE	.0762504	.0110441	6.90	0.000	.0540785	.0984222
st_FL	.0666922	.0110641	6.03	0.000	.0444802	.0889043
st_GA	.0936903	.0110482	8.48	0.000	.07151	.1158705
st_HI	-.0212091	.0116668	-1.82	0.075	-.0446312	.002213
st_IA	.0595444	.0110943	5.37	0.000	.0372716	.0818172
st_ID	.0136597	.0111721	1.22	0.227	-.0087691	.0360886
st_IL	.0694687	.0110724	6.27	0.000	.0472399	.0916974
st_IN	.0384237	.0111043	3.46	0.001	.0161309	.0607165
st_KS	.0454235	.011099	4.09	0.000	.0231413	.0677057
st_KY	.058885	.0111347	5.29	0.000	.0365312	.0812387
st_LA	.1226357	.0112399	10.91	0.000	.1000708	.1452007
st_MA	.0752451	.0110552	6.81	0.000	.0530509	.0974393
st_MD	-.0099302	.0110436	-0.90	0.373	-.0321012	.0122408
st_ME	-.0099648	.0113068	-0.88	0.382	-.0326642	.0127347
st_MI	.0494466	.0110465	4.48	0.000	.0272699	.0716233

st_MN	.0690252	.0110551	6.24	0.000	.0468312	.0912192
st_MO	.0438051	.0110264	3.97	0.000	.0216686	.0659416
st_MS	.0648192	.0112345	5.77	0.000	.0422651	.0873734
st_MT	-.1268279	.0137463	-9.23	0.000	-.1544248	-.099231
st_NC	.0541733	.0110075	4.92	0.000	.0320747	.0762718
st_ND	0	(omitted)				
st_NE	.0202939	.0111421	1.82	0.074	-.0020749	.0426626
st_NH	.0218102	.0110716	1.97	0.054	-.000417	.0440374
st_NJ	.0758754	.011199	6.78	0.000	.0533925	.0983584
st_NM	.0910764	.0113336	8.04	0.000	.0683232	.1138296
st_NV	.0235663	.0112011	2.10	0.040	.0010791	.0460535
st_NY	0	(omitted)				
st_OH	.0216475	.011109	1.95	0.057	-.0006547	.0439498
st_OK	.0544256	.011065	4.92	0.000	.0322116	.0766395
st_OR	.0508428	.0110503	4.60	0.000	.0286585	.0730272
st_PA	.0237225	.0110076	2.16	0.036	.0016237	.0458212
st_PR	.0407877	.0128652	3.17	0.003	.0149598	.0666156
st_RI	.1224543	.0115141	10.64	0.000	.0993388	.1455699
st_SC	.0448	.0110389	4.06	0.000	.0226384	.0669615
st_SD	.0328131	.0111794	2.94	0.005	.0103695	.0552568
st_TN	.1083312	.0110404	9.81	0.000	.0861667	.1304957
st_TX	.0038877	.0110705	0.35	0.727	-.0183372	.0261126
st_UT	.1110655	.0111882	9.93	0.000	.0886042	.1335268
st_VA	.0411867	.0110958	3.71	0.001	.0189111	.0634624
st_VT	.0682353	.0110991	6.15	0.000	.0459529	.0905178
st_WA	-.008549	.01115	-0.77	0.447	-.0309336	.0138355
st_WI	.0554176	.0110595	5.01	0.000	.0332147	.0776205
st_WV	-.0157435	.0114864	-1.37	0.176	-.0388033	.0073164
st_WY	-.0393678	.0114997	-3.42	0.001	-.0624544	-.0162812
pial	.0000475	9.88e-06	4.81	0.000	.0000276	.0000673
pia_miss	.0388391	.0063845	6.08	0.000	.0260217	.0516564
ime1	-.0000165	3.60e-06	-4.57	0.000	-.0000237	-9.22e-06
ime_miss	-.0509102	.0066556	-7.65	0.000	-.0642718	-.0375486
_cons	.2202068	.0162925	13.52	0.000	.1874982	.2529154

(1) - imm1_adj - imm3_adj - imm4_adj = 0

twproll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0004502	.0017426	0.26	0.797	-.0030482 .0039487

(1) imm1_adj + imm3_adj + imm4_adj = -.0004502

twproll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-4.01e-17	.0017426	-0.00	1.000	-.0034985 .0034985

(1) imm1_adj = 0
(2) imm3_adj = 0
(3) imm4_adj = 0

F(3, 51) = 0.57
Prob > F = 0.6398

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 51) = 0.07
Prob > F = 0.7972

$$(1) - .5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0$$

F(1, 51) = 0.01
 Prob > F = 0.9410

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NONY_nounemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression Number of obs = 43080
 F(47, 51) = .
 Prob > F = .
 R-squared = 0.0544
 Root MSE = .28643

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0016122	.0035674	-0.45	0.653	-.0087741	.0055496
imm3_adj	-.0010695	.0031913	-0.34	0.739	-.0074762	.0053372
imm4_adj	.0017488	.0020353	0.86	0.394	-.0023373	.0058348
male	-.002857	.0023456	-1.22	0.229	-.007566	.0018521
gendermiss_flag	-.0721932	.0043929	-16.43	0.000	-.0810124	-.0633741
tsd_age	-.0035539	.0002688	-13.22	0.000	-.0040936	-.0030143
doage2	-.0002284	.0002196	-1.04	0.303	-.0006694	.0002125
doage2miss_flag	-.0995462	.0363062	-2.74	0.008	-.172434	-.0266585
race_a	.0044507	.0158933	0.28	0.781	-.0274565	.0363579
race_b	.0153641	.0034338	4.47	0.000	.0084705	.0222577
race_h	.0023492	.0069598	0.34	0.737	-.0116232	.0163215
race_i	-.0115202	.0108303	-1.06	0.292	-.0332629	.0102226
race_o	-.0384071	.0126736	-3.03	0.004	-.0638505	-.0129637
race_mis	.0017855	.0133081	0.13	0.894	-.0249315	.0285026
tsd_edu_hs	.0095318	.00314	3.04	0.004	.003228	.0158356
tsd_edu_mrhs	.031349	.0038833	8.07	0.000	.0235529	.0391452
tsd_edu_mis	.0080378	.0042504	1.89	0.064	-.0004952	.0165709
tsd_mie_exp	.0055374	.0073232	0.76	0.453	-.0091646	.0202394
tsd_mie_mis	-.0068089	.0028325	-2.40	0.020	-.0124955	-.0011224
tsd_mie_psbl	.0058329	.0033402	1.75	0.087	-.0008728	.0125385
tsd_medicare	-.028675	.0036988	-7.75	0.000	-.0361007	-.0212493
tsd_medicare_miss	-.0773312	.0054928	-14.08	0.000	-.0883585	-.066304
tsd_depend_1	-.0072375	.0037943	-1.91	0.062	-.0148549	.00038
tsd_depend_2	.0040937	.0044818	0.91	0.365	-.0049039	.0130914
tsd_depend_miss	-.0657972	.0103355	-6.37	0.000	-.0865467	-.0450478
tsd_vrpr	-.0563191	.0074069	-7.60	0.000	-.0711892	-.0414491
tsd_vrpr_miss	-.1061219	.0060602	-17.51	0.000	-.1182882	-.0939556
pdcgrou2	-.0348097	.0070716	-4.92	0.000	-.0490065	-.0206128
pdcgrou3	-.0261662	.0059094	-4.43	0.000	-.0380297	-.0143026
pdcgrou4	-.0299444	.0051993	-5.76	0.000	-.0403824	-.0195064
pdcgrou5	.0076659	.0277599	0.28	0.784	-.0480643	.0633962
cohort2000	-.010912	.0054187	-2.01	0.049	-.0217905	-.0000335
cohort2001	-.014782	.0089449	-1.65	0.105	-.0327396	.0031756
cohort2002	-.0155269	.0154792	-1.00	0.321	-.0466028	.015549
cohort2003	.0462841	.0249614	1.85	0.069	-.003828	.0963963
cohort2004	-.0248415	.0196623	-1.26	0.212	-.0643151	.0146322
award_b4_tsd	.0319666	.0092863	3.44	0.001	.0133236	.0506096
diaward_tsd	-.0009259	.0003771	-2.46	0.018	-.001683	-.0001688
epeb4twp_flag	.2268955	.0986622	2.30	0.026	.0288229	.424968
ldwb4twp_flag	.0292572	.1302921	0.22	0.823	-.232315	.2908295

ldwb4epe_flag	.3514928	.0252237	13.94	0.000	.3008542	.4021315
twpb4tsd	-.1036413	.0033312	-31.11	0.000	-.110329	-.0969537
eped4tsd	-.0735647	.003436	-21.41	0.000	-.0804628	-.0666667
ldwb4tsd	-.0309522	.0023701	-13.06	0.000	-.0357104	-.0261941
st_AL	.0249127	.0165473	1.51	0.138	-.0083073	.0581328
st_AR	.051741	.0163821	3.16	0.003	.0188525	.0846295
st_AZ	.099992	.0163715	6.11	0.000	.0671249	.1328591
st_CA	.0914173	.0163409	5.59	0.000	.0586116	.1242231
st_CO	.0827395	.0163395	5.06	0.000	.0499366	.1155425
st_CT	.0737817	.0164781	4.48	0.000	.0407006	.1068629
st_DC	-.0337802	.0184101	-1.83	0.072	-.07074	.0031796
st_DE	.0936076	.016296	5.74	0.000	.060892	.1263231
st_FL	.0902888	.0163215	5.53	0.000	.057522	.1230556
st_GA	.1097201	.0162765	6.74	0.000	.0770437	.1423966
st_HI	-.0270358	.0172696	-1.57	0.124	-.0617059	.0076344
st_IA	.0808566	.0163709	4.94	0.000	.0479907	.1137225
st_ID	.0170914	.0165173	1.03	0.306	-.0160685	.0502514
st_IL	.0878264	.0163598	5.37	0.000	.0549828	.1206701
st_IN	.0385848	.0163651	2.36	0.022	.0057306	.0714391
st_KS	.0920344	.0163128	5.64	0.000	.0592851	.1247838
st_KY	.0598969	.0164217	3.65	0.001	.0269289	.0928649
st_LA	.1329753	.0165543	8.03	0.000	.0997413	.1662094
st_MA	.1003829	.0163409	6.14	0.000	.0675772	.1331886
st_MD	-.0122016	.0162886	-0.75	0.457	-.0449024	.0204992
st_ME	-.0161089	.0166854	-0.97	0.339	-.0496062	.0173884
st_MI	.1256064	.0163041	7.70	0.000	.0928747	.1583382
st_MN	.0630532	.0163852	3.85	0.000	.0301586	.0959478
st_MO	.0388309	.016263	2.39	0.021	.0061816	.0714801
st_MS	.0582008	.0164177	3.54	0.001	.0252408	.0911608
st_MT	.83823	.0188766	44.41	0.000	.8003336	.8761263
st_NC	.053507	.0162508	3.29	0.002	.0208823	.0861318
st_ND	0	(omitted)				
st_NE	.0779305	.0163265	4.77	0.000	.0451538	.1107073
st_NH	.0270092	.0163441	1.65	0.105	-.0058029	.0598214
st_NJ	.0927429	.0166258	5.58	0.000	.0593653	.1261206
st_NM	.0872369	.0165764	5.26	0.000	.0539585	.1205154
st_NV	.0910408	.016494	5.52	0.000	.0579277	.1241539
st_NY	0	(omitted)				
st_OH	.0197105	.0163679	1.20	0.234	-.0131494	.0525704
st_OK	.0766079	.0162991	4.70	0.000	.0438861	.1093297
st_OR	.0707933	.0163426	4.33	0.000	.0379842	.1036024
st_PA	.019916	.0162771	1.22	0.227	-.0127616	.0525936
st_PR	.0375575	.0173732	2.16	0.035	.0026794	.0724357
st_RI	.1146889	.0164867	6.96	0.000	.0815903	.1477874
st_SC	.0600852	.0163055	3.68	0.001	.0273504	.0928199
st_SD	.041998	.0165288	2.54	0.014	.0088151	.075181
st_TN	.1867616	.0163182	11.44	0.000	.1540014	.2195217
st_TX	.0032667	.0163106	0.20	0.842	-.0294782	.0360116
st_UT	.1023139	.0164394	6.22	0.000	.0693104	.1353175
st_VA	.0382811	.0163968	2.33	0.024	.0053631	.0711991
st_VT	.0954984	.0164098	5.82	0.000	.0625545	.1284424
st_WA	-.0117187	.0163565	-0.72	0.477	-.0445557	.0211183
st_WI	.0735029	.016337	4.50	0.000	.0407049	.1063009
st_WV	-.0278375	.0167573	-1.66	0.103	-.0614792	.0058042
st_WY	-.0484795	.0165616	-2.93	0.005	-.0817283	-.0152307
pial	.0000702	9.88e-06	7.10	0.000	.0000503	.00009
pia_miss	.0674274	.0146431	4.60	0.000	.0380301	.0968247
imel	-.000023	3.88e-06	-5.92	0.000	-.0000308	-.0000152
ime_miss	-.0680101	.0076512	-8.89	0.000	-.0833706	-.0526497
_cons	.273917	.0232676	11.77	0.000	.2272054	.3206285

(1) - imm1_adj - imm3_adj - imm4_adj = 0

twproll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	.000933	.0018183	0.51	0.610	-.0027174	.0045834

(1) imm1_adj + imm3_adj + imm4_adj = -.000933

twproll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-4.37e-17	.0018183	-0.00	1.000	-.0036504	.0036504

(1) imm1_adj = 0
(2) imm3_adj = 0
(3) imm4_adj = 0

F(3, 51) = 0.62
Prob > F = 0.6055

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 51) = 0.26
Prob > F = 0.6101

(1) -.5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 51) = 0.19
Prob > F = 0.6617

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH1NONY_nounemp.xls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
F(47, 51) = .
Prob > F = .
R-squared = 0.0634
Root MSE = .30866

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0036003	.0035012	-1.03	0.309	-.0106293	.0034287
imm3_adj	.0008331	.0031041	0.27	0.789	-.0053987	.0070649
imm4_adj	.001257	.0028571	0.44	0.662	-.0044788	.0069927
male	-.0046934	.0032466	-1.45	0.154	-.0112111	.0018244
gendermiss_flag	-.0851211	.0037307	-22.82	0.000	-.0926108	-.0776314
tsd_age	-.0043552	.0002975	-14.64	0.000	-.0049524	-.003758
doage2	-7.28e-06	.0002016	-0.04	0.971	-.000412	.0003975
doage2miss_flag	-.110852	.0415197	-2.67	0.010	-.1942062	-.0274978
race_a	-.0031325	.0168966	-0.19	0.854	-.0370539	.0307889
race_b	.0192184	.0039907	4.82	0.000	.0112069	.02723
race_h	-.0000252	.0080553	-0.00	0.998	-.0161969	.0161465
race_i	-.0195893	.012357	-1.59	0.119	-.0443969	.0052183
race_o	-.0397776	.0178184	-2.23	0.030	-.0755495	-.0040058
race_mis	-.0090132	.0129308	-0.70	0.489	-.0349729	.0169465

tsd_edu_hs	.0092253	.0036704	2.51	0.015	.0018567	.0165939
tsd_edu_mrhs	.0345301	.0045581	7.58	0.000	.0253794	.0436808
tsd_edu_mis	.0086159	.0054541	1.58	0.120	-.0023337	.0195656
tsd_mie_exp	.0036366	.0082768	0.44	0.662	-.0129797	.0202528
tsd_mie_mis	-.0058171	.0035105	-1.66	0.104	-.0128647	.0012305
tsd_mie_psbl	.005342	.0033828	1.58	0.120	-.0014493	.0121333
tsd_medicare	-.0321963	.004609	-6.99	0.000	-.0414492	-.0229434
tsd_medicare_miss	-.089849	.0066051	-13.60	0.000	-.1031093	-.0765888
tsd_depend_1	-.0052856	.0037164	-1.42	0.161	-.0127465	.0021753
tsd_depend_2	.0074243	.004859	1.53	0.133	-.0023305	.0171791
tsd_depend_miss	-.0712551	.0132696	-5.37	0.000	-.097895	-.0446153
tsd_vrpr	-.0820619	.008426	-9.74	0.000	-.0989779	-.0651459
tsd_vrpr_miss	-.136227	.0049801	-27.35	0.000	-.1462249	-.1262291
pdcgrou2	-.0389131	.0086362	-4.51	0.000	-.056251	-.0215751
pdcgrou3	-.0260629	.0057511	-4.53	0.000	-.0376087	-.0145172
pdcgrou4	-.0338073	.0058647	-5.76	0.000	-.0455811	-.0220335
pdcgrou5	-.0038206	.028281	-0.14	0.893	-.0605969	.0529558
cohort2000	-.0111428	.0062221	-1.79	0.079	-.0236342	.0013486
cohort2001	-.0194275	.0092737	-2.09	0.041	-.0380453	-.0008097
cohort2002	-.023451	.0188038	-1.25	0.218	-.0612012	.0142993
cohort2003	.0618027	.0258482	2.39	0.021	.0099104	.113695
cohort2004	-.0071609	.0304609	-0.24	0.815	-.0683137	.0539919
award_b4_tsd	.0419847	.0140528	2.99	0.004	.0137724	.0701969
diaward_tsd	-.0009216	.0003647	-2.53	0.015	-.0016539	-.0001894
epeb4twp_flag	.4285762	.1258681	3.40	0.001	.1758856	.6812669
ldwb4twp_flag	-.0272915	.1113168	-0.25	0.807	-.2507693	.1961863
ldwb4epe_flag	.4098215	.0472257	8.68	0.000	.3150118	.5046311
twpb4tsd	-.1239941	.0042952	-28.87	0.000	-.1326172	-.115371
epeb4tsd	-.0877065	.00414	-21.19	0.000	-.0960179	-.0793952
ldwb4tsd	-.0384764	.0029736	-12.94	0.000	-.0444461	-.0325067
st_AL	-.0251375	.0224761	-1.12	0.269	-.0702602	.0199851
st_AR	.0053454	.0222721	0.24	0.811	-.0393678	.0500585
st_AZ	.0763532	.0222768	3.43	0.001	.0316305	.1210758
st_CA	.0467531	.0222987	2.10	0.041	.0019866	.0915197
st_CO	.0494232	.0222603	2.22	0.031	.0047337	.0941127
st_CT	.0563826	.0225301	2.50	0.016	.0111515	.1016136
st_DC	.254576	.0239212	10.64	0.000	.2065522	.3025999
st_DE	.0591692	.0222541	2.66	0.010	.0144921	.1038462
st_FL	.0600012	.0222578	2.70	0.009	.0153169	.1046855
st_GA	.0619787	.0222694	2.78	0.008	.0172711	.1066863
st_HI	-.0726763	.0234114	-3.10	0.003	-.1196767	-.0256759
st_IA	.0579898	.0222715	2.60	0.012	.0132779	.1027018
st_ID	-.0250048	.0225801	-1.11	0.273	-.0703362	.0203266
st_IL	.0592443	.0222772	2.66	0.010	.0145209	.1039677
st_IN	-.0045642	.0222869	-0.20	0.839	-.0493071	.0401786
st_KS	.045989	.0221464	2.08	0.043	.0015283	.0904497
st_KY	.016946	.0223043	0.76	0.451	-.0278317	.0617237
st_LA	.0951937	.022405	4.25	0.000	.0502138	.1401736
st_MA	.0816616	.0222687	3.67	0.001	.0369554	.1263678
st_MD	.0009558	.0223059	0.04	0.966	-.0438252	.0457368
st_ME	-.0636113	.022505	-2.83	0.007	-.1087919	-.0184307
st_MI	.0783977	.0221581	3.54	0.001	.0339135	.1228819
st_MN	.0171344	.022353	0.77	0.447	-.0277412	.0620099
st_MO	.0380607	.0222091	1.71	0.093	-.0065259	.0826473
st_MS	.0078608	.0223602	0.35	0.727	-.0370293	.0527508
st_MT	.7587984	.0249335	30.43	0.000	.7087423	.8088544
st_NC	.0340411	.0222251	1.53	0.132	-.0105775	.0786598
st_ND	0	(omitted)				
st_NE	.0378459	.0222809	1.70	0.095	-.0068848	.0825767
st_NH	.0463369	.0221442	2.09	0.041	.0018805	.0907933
st_NJ	.0852911	.0226191	3.77	0.000	.0398814	.1307007
st_NM	.0419874	.0224863	1.87	0.068	-.0031558	.0871305
st_NV	.0813083	.0223628	3.64	0.001	.0364131	.1262036

	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
st_NY	0 (omitted)				
st_OH	.0030258	.0222207	0.14	0.892	-.041584 .0476357
st_OK	.0499163	.022194	2.25	0.029	.00536 .0944726
st_OR	.0522532	.0222289	2.35	0.023	.007627 .0968795
st_PA	-.0260337	.0222299	-1.17	0.247	-.0706621 .0185946
st_PR	.067443	.0234753	2.87	0.006	.0203144 .1145716
st_RI	.064943	.0225365	2.88	0.006	.019699 .1101869
st_SC	.0266033	.0222414	1.20	0.237	-.0180482 .0712548
st_SD	.0033155	.0225199	0.15	0.884	-.0418951 .048526
st_TN	.1387298	.0222907	6.22	0.000	.0939793 .1834803
st_TX	-.0423486	.0221421	-1.91	0.061	-.0868006 .0021034
st_UT	.0531033	.0222659	2.38	0.021	.0084027 .097804
st_VA	-.008933	.0223144	-0.40	0.691	-.053731 .035865
st_VT	.0836488	.0222812	3.75	0.000	.0389175 .1283802
st_WA	.0066525	.022194	0.30	0.766	-.0379038 .0512087
st_WI	.0456565	.0222279	2.05	0.045	.0010322 .0902808
st_WV	-.0805385	.0225619	-3.57	0.001	-.1258335 -.0352435
st_WY	-.0990939	.0225784	-4.39	0.000	-.1444219 -.053766
pial	.0000846	.0000125	6.76	0.000	.0000595 .0001098
pia_miss	.0796319	.0167036	4.77	0.000	.0460979 .1131658
ime1	-.0000278	4.51e-06	-6.16	0.000	-.0000368 -.0000187
ime_miss	-.0831821	.0072972	-11.40	0.000	-.0978319 -.0685323
_cons	.3730436	.0292947	12.73	0.000	.3142321 .4318552

(1) - imm1_adj - imm3_adj - imm4_adj = 0

	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
twproll48					
(1)	.0015103	.0024333	0.62	0.538	-.0033748 .0063953

(1) imm1_adj + imm3_adj + imm4_adj = -.0015103

	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
twproll48					
(1)	4.45e-17	.0024333	0.00	1.000	-.004885 .004885

(1) imm1_adj = 0
(2) imm3_adj = 0
(3) imm4_adj = 0

F(3, 51) = 0.76
Prob > F = 0.5221

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 51) = 0.39
Prob > F = 0.5376

(1) - .5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 51) = 0.10
Prob > F = 0.7488

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH1NONY_nounemp.xls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(47, 51) = .
 Prob > F = .
 R-squared = 0.2522
 Root MSE = .1581

(Std. Err. adjusted for 52 clusters in tsd_state)

-----	-----					
srvroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
-----	-----	-----	-----	-----	-----	-----
imm1_adj	-.0004009	.0011634	-0.34	0.732	-.0027365	.0019347
imm3_adj	.0017631	.001592	1.11	0.273	-.001433	.0049592
imm4_adj	-.0000816	.0008916	-0.09	0.927	-.0018715	.0017083
male	.0016043	.0018381	0.87	0.387	-.002086	.0052945
gendermiss_flag	.0013439	.0023418	0.57	0.569	-.0033574	.0060452
tsd_age	-.0003487	.0001738	-2.01	0.050	-.0006977	2.26e-07
doage2	-.0001247	.0001696	-0.74	0.466	-.0004653	.0002159
doage2miss_flag	-.0180515	.0092952	-1.94	0.058	-.0367124	.0006095
race_a	-.0007679	.0067256	-0.11	0.910	-.0142701	.0127342
race_b	.0005332	.0016461	0.32	0.747	-.0027716	.003838
race_h	-.0063277	.0019648	-3.22	0.002	-.0102722	-.0023832
race_i	-.0046885	.011549	-0.41	0.686	-.0278741	.0184972
race_o	-.0067043	.0135712	-0.49	0.623	-.0339496	.0205411
race_mis	-.0038957	.0073598	-0.53	0.599	-.0186712	.0108798
tsd_edu_hs	.0027082	.0016581	1.63	0.109	-.0006206	.006037
tsd_edu_mrhs	.0084371	.0025314	3.33	0.002	.0033551	.013519
tsd_edu_mis	.0016183	.0024536	0.66	0.512	-.0033074	.0065441
tsd_mie_exp	-.004801	.0084924	-0.57	0.574	-.0218502	.0122483
tsd_mie_mis	-.0063297	.0032751	-1.93	0.059	-.0129047	.0002453
tsd_mie_psbl	-.0054474	.004109	-1.33	0.191	-.0136966	.0028019
tsd_medicare	-.0021753	.001576	-1.38	0.174	-.0053393	.0009888
tsd_medicare_miss	-.0083844	.0052243	-1.60	0.115	-.0188727	.0021039
tsd_depend_1	-.0014383	.0015725	-0.91	0.365	-.0045953	.0017186
tsd_depend_2	-.0024432	.001473	-1.66	0.103	-.0054004	.000514
tsd_depend_miss	-.0093582	.0042059	-2.23	0.031	-.0178018	-.0009146
tsd_vrpr	-.3370829	.0092748	-36.34	0.000	-.3557029	-.3184629
tsd_vrpr_miss	-.3648908	.012847	-28.40	0.000	-.3906823	-.3390994
pdcgrou2	.0005678	.0026785	0.21	0.833	-.0048095	.005945
pdcgrou3	.0011768	.0025842	0.46	0.651	-.0040112	.0063648
pdcgrou4	.0056394	.0016539	3.41	0.001	.002319	.0089597
pdcgrou5	.012458	.0250091	0.50	0.621	-.0377498	.0626659
cohort2000	-.0065304	.0027885	-2.34	0.023	-.0121285	-.0009322
cohort2001	-.0121716	.0044528	-2.73	0.009	-.0211109	-.0032323
cohort2002	-.0174148	.0070993	-2.45	0.018	-.0316672	-.0031624
cohort2003	-.0429822	.0117827	-3.65	0.001	-.0666368	-.0193275
cohort2004	-.0485318	.0094512	-5.13	0.000	-.067506	-.0295577
award_b4_tsd	-.0009942	.0065316	-0.15	0.880	-.0141069	.0121185
diaward_tsd	-.0006116	.0001747	-3.50	0.001	-.0009624	-.0002608
epeb4twp_flag	-.0219692	.0237457	-0.93	0.359	-.0696407	.0257022
ldwb4twp_flag	-.0956831	.0349447	-2.74	0.008	-.1658376	-.0255287
ldwb4epe_flag	.0238269	.027121	0.88	0.384	-.0306207	.0782746
twpb4tsd	.0082673	.0023057	3.59	0.001	.0036383	.0128962
epeb4tsd	-.0008504	.0042976	-0.20	0.844	-.0094781	.0077773
ldwb4tsd	.0020919	.0071623	0.29	0.771	-.0122869	.0164708
st_AL	-.0815441	.01042	-7.83	0.000	-.1024631	-.0606252
st_AR	-.0131154	.0102736	-1.28	0.208	-.0337406	.0075097
st_AZ	.0123898	.0103008	1.20	0.235	-.00829	.0330696
st_CA	.0038358	.0102886	0.37	0.711	-.0168193	.024491
st_CO	.0121192	.010267	1.18	0.243	-.0084926	.032731
st_CT	.0005309	.0104949	0.05	0.960	-.0205385	.0216003
st_DC	-.0045212	.0115008	-0.39	0.696	-.02761	.0185676

st_DE	.0327243	.0102686	3.19	0.002	.0121091	.0533394
st_FL	.0180642	.0102614	1.76	0.084	-.0025363	.0386648
st_GA	.008182	.0103093	0.79	0.431	-.0125148	.0288788
st_HI	.0063461	.0103782	0.61	0.544	-.0144889	.0271811
st_IA	.0163725	.0103333	1.58	0.119	-.0043725	.0371175
st_ID	.0115723	.0103126	1.12	0.267	-.009131	.0322756
st_IL	.0269671	.0102591	2.63	0.011	.0063711	.0475631
st_IN	.0433196	.0103091	4.20	0.000	.0226232	.064016
st_KS	-.0096548	.0103689	-0.93	0.356	-.0304712	.0111617
st_KY	.007632	.010361	0.74	0.465	-.0131686	.0284327
st_LA	.0085423	.010455	0.82	0.418	-.012447	.0295315
st_MA	.012129	.0102716	1.18	0.243	-.0084921	.0327501
st_MD	.0231004	.0103738	2.23	0.030	.0022741	.0439267
st_ME	.0099722	.0104169	0.96	0.343	-.0109407	.030885
st_MI	.0509111	.0103132	4.94	0.000	.0302064	.0716158
st_MN	-.0074573	.0102921	-0.72	0.472	-.0281195	.0132049
st_MO	-.0407137	.0103572	-3.93	0.000	-.0615066	-.0199209
st_MS	-.0175178	.0103125	-1.70	0.095	-.0382211	.0031854
st_MT	-.3563236	.014557	-24.48	0.000	-.385548	-.3270991
st_NC	.0067079	.010284	0.65	0.517	-.0139381	.0273539
st_ND	0	(omitted)				
st_NE	.0102756	.0105946	0.97	0.337	-.010994	.0315451
st_NH	-.0139835	.0102346	-1.37	0.178	-.0345303	.0065632
st_NJ	.0579057	.0102745	5.64	0.000	.0372788	.0785327
st_NM	.0102133	.0106853	0.96	0.344	-.0112383	.0316649
st_NV	.0006297	.0103891	0.06	0.952	-.0202273	.0214867
st_NY	0	(omitted)				
st_OH	-.0131985	.0102596	-1.29	0.204	-.0337955	.0073985
st_OK	.0286301	.0102997	2.78	0.008	.0079525	.0493076
st_OR	.0111332	.0102907	1.08	0.284	-.0095262	.0317926
st_PA	-.0253917	.0102503	-2.48	0.017	-.0459701	-.0048134
st_PR	.0286986	.010566	2.72	0.009	.0074863	.0499108
st_RI	-.039151	.0104437	-3.75	0.000	-.0601176	-.0181843
st_SC	.0220626	.0102645	2.15	0.036	.0014558	.0426695
st_SD	.0109583	.0104655	1.05	0.300	-.010052	.0319686
st_TN	-.0252941	.0104217	-2.43	0.019	-.0462166	-.0043717
st_TX	.0231906	.0103127	2.25	0.029	.0024869	.0438943
st_UT	-.0632849	.01042	-6.07	0.000	-.0842039	-.0423658
st_VA	.0239	.0103042	2.32	0.024	.0032135	.0445865
st_VT	.028632	.010381	2.76	0.008	.0077912	.0494728
st_WA	-.0381895	.0103039	-3.71	0.001	-.0588755	-.0175035
st_WI	.0393944	.0103048	3.82	0.000	.0187068	.0600821
st_WV	-.0603295	.0106374	-5.67	0.000	-.081685	-.038974
st_WY	.0113871	.0106438	1.07	0.290	-.0099812	.0327553
pial	.0000165	8.80e-06	1.88	0.066	-1.15e-06	.0000342
pia_miss	.0140187	.0067911	2.06	0.044	.000385	.0276525
ime1	-4.81e-06	2.81e-06	-1.71	0.093	-.0000105	8.31e-07
ime_miss	-.0084138	.0035838	-2.35	0.023	-.0156086	-.0012191
_cons	.3780268	.0159553	23.69	0.000	.3459952	.4100584

(1) - imm1_adj - imm3_adj - imm4_adj = 0

srvroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0012806	.0011745	-1.09	0.281	-.0036386 .0010774

(1) imm1_adj + imm3_adj + imm4_adj = .0012806

srvroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
-----------	-------	-----------	---	------	----------------------

```
-----+-----
(1) | -3.69e-18 .0011745 -0.00 1.000 -.002358 .002358
-----+-----
```

```
( 1) imm1_adj = 0
( 2) imm3_adj = 0
( 3) imm4_adj = 0
```

```
F( 3, 51) = 0.67
Prob > F = 0.5774
```

```
( 1) imm1_adj + imm3_adj + imm4_adj = 0
```

```
F( 1, 51) = 1.19
Prob > F = 0.2807
```

```
( 1) -.5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0
```

```
F( 1, 51) = 0.81
Prob > F = 0.3736
```

```
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH1NONY_nounemp.xls
dir : seeout
note: st_ND omitted because of collinearity
note: st_NY omitted because of collinearity
```

Linear regression

```
Number of obs = 43080
F( 47, 51) = .
Prob > F = .
R-squared = 0.4010
Root MSE = .17872
```

(Std. Err. adjusted for 52 clusters in tsd_state)

-----+-----		Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	-----+-----
srvroll24	imm1_adj	-.0004007	.0019061	-0.21	0.834	-.0042273 .0034259	
	imm3_adj	.0009952	.0025075	0.40	0.693	-.0040388 .0060292	
	imm4_adj	-.0000352	.0012147	-0.03	0.977	-.0024739 .0024035	
	male	.0018965	.001346	1.41	0.165	-.0008057 .0045986	
	gendermiss_flag	-.0041345	.0032854	-1.26	0.214	-.0107303 .0024613	
	tsd_age	-.0007477	.0002955	-2.53	0.015	-.001341 -.0001544	
	doage2	-.0001059	.0002997	-0.35	0.725	-.0007076 .0004959	
	doage2miss_flag	-.0248691	.0172819	-1.44	0.156	-.059564 .0098257	
	race_a	.0015616	.0071835	0.22	0.829	-.0128599 .0159831	
	race_b	-.0028027	.0019624	-1.43	0.159	-.0067424 .001137	
	race_h	-.0073211	.0026337	-2.78	0.008	-.0126084 -.0020337	
	race_i	-.0023708	.0066592	-0.36	0.723	-.0157396 .0109981	
	race_o	-.0003812	.009328	-0.04	0.968	-.019108 .0183456	
	race_mis	.0001505	.0077855	0.02	0.985	-.0154795 .0157806	
	tsd_edu_hs	.0029654	.0020583	1.44	0.156	-.0011667 .0070976	
	tsd_edu_mrhs	.0122932	.002486	4.95	0.000	.0073024 .0172841	
	tsd_edu_mis	.0016881	.0016831	1.00	0.321	-.0016909 .0050672	
	tsd_mie_exp	-.0040822	.0113431	-0.36	0.720	-.0268545 .0186901	
	tsd_mie_mis	-.005616	.0038072	-1.48	0.146	-.0132592 .0020273	
	tsd_mie_psbl	-.0038903	.0052445	-0.74	0.462	-.0144191 .0066385	
	tsd_medicare	-.0016416	.0022508	-0.73	0.469	-.0061603 .0028772	
	tsd_medicare_miss	-.006124	.0041169	-1.49	0.143	-.0143891 .002141	
	tsd_depend_1	-.0019098	.0025259	-0.76	0.453	-.0069809 .0031612	
	tsd_depend_2	-.0015137	.0023226	-0.65	0.518	-.0061765 .0031492	
	tsd_depend_miss	-.0045287	.0055519	-0.82	0.418	-.0156746 .0066171	

tsd_vrpr	-.5341313	.0099253	-53.82	0.000	-.554057	-.5142055
tsd_vrpr_miss	-.5842565	.0125682	-46.49	0.000	-.6094882	-.5590248
pdcgrou2	-.0000532	.0036918	-0.01	0.989	-.0074648	.0073584
pdcgrou3	.0049605	.0031039	1.60	0.116	-.0012709	.0111919
pdcgrou4	.0078292	.0026724	2.93	0.005	.0024641	.0131943
pdcgrou5	-.0001666	.0290696	-0.01	0.995	-.0585263	.058193
cohort2000	-.0057291	.0030673	-1.87	0.068	-.0118871	.0004288
cohort2001	-.0111811	.0051423	-2.17	0.034	-.0215046	-.0008576
cohort2002	-.0146734	.0076473	-1.92	0.061	-.030026	.0006791
cohort2003	-.0533519	.0093987	-5.68	0.000	-.0722206	-.0344832
cohort2004	-.0769753	.00933	-8.25	0.000	-.095706	-.0582445
award_b4_tsd	.0000131	.0058416	0.00	0.998	-.0117144	.0117407
diaward_tsd	-.0006161	.0001843	-3.34	0.002	-.0009861	-.000246
epeb4twp_flag	-.0391165	.0380666	-1.03	0.309	-.1155383	.0373053
ldwb4twp_flag	-.1483575	.0499184	-2.97	0.005	-.2485729	-.0481421
ldwb4epe_flag	.0120552	.0281678	0.43	0.670	-.044494	.0686044
twpb4tsd	.0103231	.0026548	3.89	0.000	.0049933	.0156528
epeb4tsd	-.0055229	.0063012	-0.88	0.385	-.0181731	.0071274
ldwb4tsd	.0090643	.0082977	1.09	0.280	-.007594	.0257226
st_AL	-.0631817	.0128422	-4.92	0.000	-.0889636	-.0373999
st_AR	-.0086102	.0126032	-0.68	0.498	-.0339121	.0166918
st_AZ	.0392146	.0125981	3.11	0.003	.0139228	.0645064
st_CA	.0257178	.0126111	2.04	0.047	.0004	.0510357
st_CO	.044701	.012581	3.55	0.001	.0194436	.0699583
st_CT	.0433618	.0126465	3.43	0.001	.0179729	.0687507
st_DC	.0021164	.0139501	0.15	0.880	-.0258897	.0301224
st_DE	.0534448	.0126221	4.23	0.000	.0281048	.0787848
st_FL	.0472647	.0126088	3.75	0.000	.0219515	.072578
st_GA	.0471478	.0126834	3.72	0.001	.0216848	.0726108
st_HI	.0258678	.0132449	1.95	0.056	-.0007225	.0524581
st_IA	.0490725	.0126812	3.87	0.000	.023614	.0745311
st_ID	.0333613	.0126323	2.64	0.011	.0080008	.0587218
st_IL	.0563729	.0125966	4.48	0.000	.0310842	.0816615
st_IN	.0996689	.0126186	7.90	0.000	.074336	.1250018
st_KS	-.0014278	.0126951	-0.11	0.911	-.0269143	.0240587
st_KY	.0280571	.0126549	2.22	0.031	.0026513	.053463
st_LA	.0320557	.0127593	2.51	0.015	.0064403	.0576711
st_MA	.0353337	.0125773	2.81	0.007	.0100838	.0605836
st_MD	.0178857	.0127577	1.40	0.167	-.0077263	.0434978
st_ME	.0293754	.0127499	2.30	0.025	.003779	.0549719
st_MI	.0733418	.0126524	5.80	0.000	.047941	.0987426
st_MN	.0014899	.0126031	0.12	0.906	-.0238118	.0267917
st_MO	.018505	.0126678	1.46	0.150	-.0069267	.0439367
st_MS	-.0126606	.0126771	-1.00	0.323	-.038111	.0127899
st_MT	-.5526309	.0153304	-36.05	0.000	-.583408	-.5218538
st_NC	.0366674	.0126192	2.91	0.005	.0113332	.0620015
st_ND	0	(omitted)				
st_NE	.0326111	.0128708	2.53	0.014	.006772	.0584502
st_NH	.0483172	.0125716	3.84	0.000	.0230786	.0735557
st_NJ	.1074658	.0125873	8.54	0.000	.0821956	.1327359
st_NM	.0285405	.012707	2.25	0.029	.00303	.054051
st_NV	-.0046625	.0126689	-0.37	0.714	-.0300964	.0207714
st_NY	0	(omitted)				
st_OH	.0528162	.0125992	4.19	0.000	.0275223	.0781101
st_OK	.0593098	.0125869	4.71	0.000	.0340405	.0845791
st_OR	.0350495	.0125866	2.78	0.008	.0097809	.0603181
st_PA	-.0039583	.0126143	-0.31	0.755	-.0292826	.021366
st_PR	.0531519	.0130974	4.06	0.000	.0268577	.0794461
st_RI	-.0509146	.0127395	-4.00	0.000	-.0764903	-.0253389
st_SC	.0495227	.0126193	3.92	0.000	.0241884	.074857
st_SD	.0315817	.0127057	2.49	0.016	.006074	.0570895
st_TN	.0154976	.0127379	1.22	0.229	-.0100747	.0410699
st_TX	.0277794	.0126645	2.19	0.033	.0023542	.0532045

st_UT	-.0898649	.0127495	-7.05	0.000	-.1154606	-.0642692
st_VA	.0293483	.0126183	2.33	0.024	.004016	.0546805
st_VT	.0726899	.0127191	5.72	0.000	.0471552	.0982246
st_WA	-.0464861	.0125826	-3.69	0.001	-.0717467	-.0212254
st_WI	.0662619	.0126364	5.24	0.000	.0408933	.0916304
st_WV	-.0858219	.0131414	-6.53	0.000	-.1122044	-.0594393
st_WY	.0334983	.0133417	2.51	0.015	.0067137	.0602829
pial	.000028	.0000131	2.13	0.038	1.65e-06	.0000544
pia_miss	.0181577	.0102748	1.77	0.083	-.0024698	.0387852
ime1	-.0000102	3.62e-06	-2.81	0.007	-.0000175	-2.90e-06
ime_miss	-.0160584	.0045863	-3.50	0.001	-.0252658	-.0068509
_cons	.5797619	.0194603	29.79	0.000	.5406938	.6188301

(1) - imm1_adj - imm3_adj - imm4_adj = 0

srvroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0005593	.0010492	-0.53	0.596	-.0026656 .001547

(1) imm1_adj + imm3_adj + imm4_adj = .0005593

srvroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	2.76e-17	.0010492	0.00	1.000	-.0021063 .0021063

(1) imm1_adj = 0

(2) imm3_adj = 0

(3) imm4_adj = 0

F(3, 51) = 0.12
 Prob > F = 0.9478

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 51) = 0.28
 Prob > F = 0.5963

(1) - .5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 51) = 0.11
 Prob > F = 0.7433

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\LPM_PH1NONY_nounemp.xls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(47, 51) = .
 Prob > F = .
 R-squared = 0.5209
 Root MSE = .17967

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
------------	-------	------------------	---	------	----------------------

imm1_adj	.0006311	.0015664	0.40	0.689	-.0025135	.0037758
imm3_adj	-.0000475	.0024188	-0.02	0.984	-.0049035	.0048085
imm4_adj	.0009751	.0011883	0.82	0.416	-.0014104	.0033607
male	.0014001	.0018443	0.76	0.451	-.0023025	.0051028
gendermiss_flag	-.0036745	.0031204	-1.18	0.244	-.0099391	.00259
tsd_age	-.0009699	.0003057	-3.17	0.003	-.0015837	-.000356
doage2	-.0001327	.0003155	-0.42	0.676	-.0007662	.0005008
doage2miss_flag	-.0301372	.0206881	-1.46	0.151	-.0716704	.0113959
race_a	.0038969	.0053748	0.73	0.472	-.0068935	.0146873
race_b	-.0029756	.0019472	-1.53	0.133	-.0068848	.0009336
race_h	-.0075429	.0036978	-2.04	0.047	-.0149666	-.0001191
race_i	-.0081555	.0065888	-1.24	0.221	-.0213831	.0050722
race_o	-.0100686	.0085407	-1.18	0.244	-.0272148	.0070775
race_mis	-.00706	.0094025	-0.75	0.456	-.0259362	.0118162
tsd_edu_hs	.0019684	.0016584	1.19	0.241	-.0013609	.0052978
tsd_edu_mrhs	.0149512	.0027021	5.53	0.000	.0095266	.0203758
tsd_edu_mis	-.001909	.0020338	-0.94	0.352	-.005992	.0021739
tsd_mie_exp	-.0073678	.0097129	-0.76	0.452	-.0268673	.0121316
tsd_mie_mis	-.0071759	.002588	-2.77	0.008	-.0123716	-.0019802
tsd_mie_psbl	-.004322	.0042163	-1.03	0.310	-.0127866	.0041426
tsd_medicare	.0012236	.0019643	0.62	0.536	-.0027199	.0051671
tsd_medicare_miss	-.0118495	.004438	-2.67	0.010	-.0207592	-.0029397
tsd_depend_1	-.0034261	.0027136	-1.26	0.212	-.008874	.0020217
tsd_depend_2	-.0021394	.0026292	-0.81	0.420	-.0074177	.003139
tsd_depend_miss	.0002827	.0059007	0.05	0.962	-.0115635	.0121289
tsd_vrpr	-.6869426	.0083601	-82.17	0.000	-.7037262	-.670159
tsd_vrpr_miss	-.7496021	.0104171	-71.96	0.000	-.7705152	-.728689
pdcgrou2	-.000775	.0031545	-0.25	0.807	-.007108	.005558
pdcgrou3	.0041853	.0031422	1.33	0.189	-.0021229	.0104935
pdcgrou4	.0067817	.0021668	3.13	0.003	.0024317	.0111317
pdcgrou5	.0129016	.0265745	0.49	0.629	-.040449	.0662522
cohort2000	-.0032808	.002948	-1.11	0.271	-.0091991	.0026375
cohort2001	-.0055274	.0041537	-1.33	0.189	-.0138663	.0028114
cohort2002	-.0082533	.0084834	-0.97	0.335	-.0252844	.0087778
cohort2003	-.030162	.0125901	-2.40	0.020	-.0554376	-.0048864
cohort2004	-.0475699	.0137452	-3.46	0.001	-.0751646	-.0199752
award_b4_tsd	-.0049367	.0068663	-0.72	0.475	-.0187214	.0088479
diaward_tsd	-.0005438	.000135	-4.03	0.000	-.0008148	-.0002728
epeb4twp_flag	-.0835724	.0390361	-2.14	0.037	-.1619406	-.0052043
ldwb4twp_flag	.0010219	.0396314	0.03	0.980	-.0785414	.0805853
ldwb4epe_flag	.0123606	.0220574	0.56	0.578	-.0319214	.0566427
twpb4tsd	.0074653	.0029336	2.54	0.014	.0015758	.0133549
epeb4tsd	-.0076963	.006336	-1.21	0.230	-.0204164	.0050238
ldwb4tsd	.0113154	.0073771	1.53	0.131	-.0034948	.0261256
st_AL	-.1328302	.0215423	-6.17	0.000	-.1760782	-.0895822
st_AR	-.0505033	.0214318	-2.36	0.022	-.0935295	-.0074771
st_AZ	.018192	.021416	0.85	0.400	-.0248025	.0611865
st_CA	.0089663	.021402	0.42	0.677	-.034	.0519325
st_CO	.0182129	.0214076	0.85	0.399	-.0247648	.0611905
st_CT	.0094369	.021364	0.44	0.661	-.0334532	.0523269
st_DC	.3029296	.0218326	13.88	0.000	.2590988	.3467603
st_DE	.0301739	.0213967	1.41	0.165	-.0127818	.0731296
st_FL	.0212294	.0214333	0.99	0.327	-.0217997	.0642585
st_GA	.0121234	.0213871	0.57	0.573	-.030813	.0550598
st_HI	-.0034288	.0218828	-0.16	0.876	-.0473603	.0405027
st_IA	.0270884	.0214503	1.26	0.212	-.0159748	.0701517
st_ID	.0017947	.0215179	0.08	0.934	-.0414043	.0449936
st_IL	.0330652	.0214046	1.54	0.129	-.0099064	.0760368
st_IN	.0709118	.0213958	3.31	0.002	.0279579	.1138656
st_KS	.0078716	.0214427	0.37	0.715	-.0351765	.0509196
st_KY	-.0003412	.02144	-0.02	0.987	-.0433839	.0427014
st_LA	.0068752	.0215244	0.32	0.751	-.0363369	.0500873

st_MA	.0104544	.0214149	0.49	0.628	-.0325377	.0534465
st_MD	-.0309219	.0214533	-1.44	0.156	-.0739913	.0121474
st_ME	-.0022349	.0214905	-0.10	0.918	-.0453789	.0409091
st_MI	.0519897	.021406	2.43	0.019	.0090152	.0949641
st_MN	.0418672	.0214567	1.95	0.057	-.0012089	.0849432
st_MO	-.035537	.0214706	-1.66	0.104	-.078641	.007567
st_MS	-.0563096	.0214072	-2.63	0.011	-.0992864	-.0133327
st_MT	.2617668	.023078	11.34	0.000	.2154359	.3080978
st_NC	-.0059667	.021409	-0.28	0.782	-.048947	.0370137
st_ND	0	(omitted)				
st_NE	.0031244	.0215446	0.15	0.885	-.0401281	.0463769
st_NH	.0671872	.0214193	3.14	0.003	.0241862	.1101882
st_NJ	.05887	.0214674	2.74	0.008	.0157725	.1019676
st_NM	.0009386	.0214909	0.04	0.965	-.0422061	.0440833
st_NV	-.0522861	.0214683	-2.44	0.018	-.0953855	-.0091867
st_NY	0	(omitted)				
st_OH	.0423039	.0213811	1.98	0.053	-.0006204	.0852282
st_OK	.0316844	.0214032	1.48	0.145	-.0112842	.0746531
st_OR	.0104267	.0214167	0.49	0.628	-.0325691	.0534225
st_PA	-.0291731	.021429	-1.36	0.179	-.0721936	.0138473
st_PR	.0183052	.0217955	0.84	0.405	-.025451	.0620614
st_RI	.0384811	.0214318	1.80	0.078	-.004545	.0815072
st_SC	.0243446	.0214281	1.14	0.261	-.0186741	.0673633
st_SD	.0041749	.0216101	0.19	0.848	-.0392093	.0475591
st_TN	.0126463	.021461	0.59	0.558	-.0304385	.0557311
st_TX	-.0154253	.0213729	-0.72	0.474	-.0583332	.0274825
st_UT	-.1547315	.0215539	-7.18	0.000	-.1980028	-.1114603
st_VA	-.011001	.0214444	-0.51	0.610	-.0540523	.0320504
st_VT	.0581284	.0214717	2.71	0.009	.0150223	.1012346
st_WA	-.0971955	.0214372	-4.53	0.000	-.1402325	-.0541585
st_WI	.0487914	.0214107	2.28	0.027	.0058076	.0917753
st_WV	-.1506112	.0217923	-6.91	0.000	-.194361	-.1068613
st_WY	.0036747	.0218183	0.17	0.867	-.0401274	.0474768
pial	.0000161	.0000153	1.05	0.298	-.0000146	.0000468
pia_miss	.0066636	.0113753	0.59	0.561	-.0161734	.0295005
ime1	-5.36e-06	3.56e-06	-1.51	0.138	-.0000125	1.79e-06
ime_miss	-.0107293	.0047633	-2.25	0.029	-.020292	-.0011667
_cons	.7790049	.0258272	30.16	0.000	.7271547	.8308551

(1) - imm1_adj - imm3_adj - imm4_adj = 0

srvroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0015588	.0016413	-0.95	0.347	-.0048538 .0017362

(1) imm1_adj + imm3_adj + imm4_adj = .0015588

srvroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-4.29e-17	.0016413	-0.00	1.000	-.003295 .003295

(1) imm1_adj = 0

(2) imm3_adj = 0

(3) imm4_adj = 0

F(3, 51) = 0.67
 Prob > F = 0.5764

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 51) = 0.90
 Prob > F = 0.3467

(1) - .5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 51) = 0.08
 Prob > F = 0.7721

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NONY_nounemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(47, 51) = .
 Prob > F = .
 R-squared = 0.5901
 Root MSE = .17902

(Std. Err. adjusted for 52 clusters in tsd_state)

-----	-----	-----	-----	-----	-----	-----
srvroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
-----	-----	-----	-----	-----	-----	-----
imm1_adj	-.0003676	.0016686	-0.22	0.827	-.0037175	.0029823
imm3_adj	-.0005714	.0028979	-0.20	0.844	-.0063892	.0052464
imm4_adj	.0022632	.0012619	1.79	0.079	-.0002701	.0047966
male	.0002594	.002162	0.12	0.905	-.004081	.0045997
gendermiss_flag	-.0103717	.0024242	-4.28	0.000	-.0152385	-.0055048
tsd_age	-.0010882	.0002518	-4.32	0.000	-.0015937	-.0005828
doage2	-.0001742	.0002521	-0.69	0.493	-.0006803	.000332
doage2miss_flag	-.0362856	.0234788	-1.55	0.128	-.0834212	.01085
race_a	-.0003304	.0061259	-0.05	0.957	-.0126286	.0119678
race_b	-.0043518	.0022361	-1.95	0.057	-.008841	.0001374
race_h	-.0074693	.0046428	-1.61	0.114	-.0167901	.0018515
race_i	-.0076574	.0055683	-1.38	0.175	-.0188362	.0035214
race_o	-.0087136	.0055845	-1.56	0.125	-.0199249	.0024976
race_mis	-.0134344	.0086382	-1.56	0.126	-.0307763	.0039075
tsd_edu_hs	.0025251	.0018984	1.33	0.189	-.0012861	.0063362
tsd_edu_mrhs	.016371	.0030243	5.41	0.000	.0102995	.0224425
tsd_edu_mis	.0000708	.0036968	0.02	0.985	-.0073508	.0074924
tsd_mie_exp	-.0112636	.0096577	-1.17	0.249	-.0306521	.008125
tsd_mie_mis	-.0069964	.0019878	-3.52	0.001	-.0109871	-.0030057
tsd_mie_psbl	-.0066417	.0037539	-1.77	0.083	-.014178	.0008945
tsd_medicare	-.0014519	.0021635	-0.67	0.505	-.0057953	.0028915
tsd_medicare_miss	-.0138192	.0048041	-2.88	0.006	-.0234638	-.0041746
tsd_depend_1	-.0032387	.0025752	-1.26	0.214	-.0084086	.0019312
tsd_depend_2	-.0035133	.0029284	-1.20	0.236	-.0093923	.0023657
tsd_depend_miss	-.0030252	.0048604	-0.62	0.536	-.0127828	.0067325
tsd_vrpr	-.7845721	.0129373	-60.64	0.000	-.8105448	-.7585994
tsd_vrpr_miss	-.8590729	.0078333	-109.67	0.000	-.8747989	-.8433469
pdcgrou2	-.000503	.0034593	-0.15	0.885	-.0074479	.006442
pdcgrou3	.0032458	.0026508	1.22	0.226	-.002076	.0085676
pdcgrou4	.0075211	.0027875	2.70	0.009	.001925	.0131172
pdcgrou5	.0291982	.0481434	0.61	0.547	-.0674537	.1258501
cohort2000	-.0028043	.0032306	-0.87	0.389	-.00929	.0036815
cohort2001	-.0046452	.0051453	-0.90	0.371	-.0149747	.0056844
cohort2002	-.0024232	.0103292	-0.23	0.815	-.02316	.0183135
cohort2003	-.0054842	.0114907	-0.48	0.635	-.0285529	.0175844
cohort2004	-.0358324	.0178328	-2.01	0.050	-.0716333	-.0000315

award_b4_tsd	-.0080533	.0055957	-1.44	0.156	-.0192872	.0031805
diaward_tsd	-.0005173	.0001864	-2.78	0.008	-.0008914	-.0001431
epeb4twp_flag	-.0966245	.0433174	-2.23	0.030	-.1835877	-.0096613
ldwb4twp_flag	-.027301	.0366643	-0.74	0.460	-.1009077	.0463056
ldwb4epe_flag	.0187166	.0207965	0.90	0.372	-.0230341	.0604673
twpb4tsd	.0074042	.0031853	2.32	0.024	.0010095	.0137989
epeb4tsd	-.0050003	.0048202	-1.04	0.304	-.0146772	.0046766
ldwb4tsd	.0078769	.0064683	1.22	0.229	-.0051087	.0208626
st_AL	-.0999571	.0153025	-6.53	0.000	-.1306781	-.0692362
st_AR	-.0478164	.0151428	-3.16	0.003	-.0782167	-.017416
st_AZ	.0307675	.0151732	2.03	0.048	.000306	.061229
st_CA	.0222113	.0151116	1.47	0.148	-.0081264	.0525491
st_CO	.028196	.0151302	1.86	0.068	-.002179	.0585711
st_CT	.0130028	.015142	0.86	0.395	-.0173961	.0434017
st_DC	.3064063	.0161717	18.95	0.000	.2739402	.3388725
st_DE	.0482553	.0151419	3.19	0.002	.0178568	.0786539
st_FL	.0379967	.0151806	2.50	0.016	.0075203	.0684731
st_GA	.005859	.0151972	0.39	0.701	-.0246506	.0363686
st_HI	.0077936	.0157088	0.50	0.622	-.0237431	.0393303
st_IA	.0434918	.0151394	2.87	0.006	.0130982	.0738855
st_ID	.0075458	.0152232	0.50	0.622	-.0230161	.0381077
st_IL	.0460762	.0151185	3.05	0.004	.0157245	.0764278
st_IN	.0797537	.0151004	5.28	0.000	.0494384	.1100689
st_KS	.0091593	.015141	0.60	0.548	-.0212374	.0395561
st_KY	.0088223	.0151679	0.58	0.563	-.0216286	.0392732
st_LA	.0180726	.0152299	1.19	0.241	-.0125027	.0486479
st_MA	.0243154	.0151417	1.61	0.114	-.0060828	.0547137
st_MD	-.0345737	.0151869	-2.28	0.027	-.0650627	-.0040847
st_ME	.0050088	.0152273	0.33	0.744	-.0255612	.0355788
st_MI	.0479174	.0150972	3.17	0.003	.0176085	.0782263
st_MN	.0428274	.015205	2.82	0.007	.0123021	.0733527
st_MO	.0030165	.0151928	0.20	0.843	-.0274842	.0335173
st_MS	-.0557708	.0151119	-3.69	0.001	-.0861093	-.0254324
st_MT	.1643194	.0173319	9.48	0.000	.1295242	.1991147
st_NC	-.0058571	.0151472	-0.39	0.701	-.0362664	.0245523
st_ND	0	(omitted)				
st_NE	.0106591	.0151692	0.70	0.485	-.0197943	.0411126
st_NH	.0699662	.0151533	4.62	0.000	.0395447	.1003877
st_NJ	.0739699	.0153065	4.83	0.000	.0432409	.104699
st_NM	.009901	.0152971	0.65	0.520	-.0208093	.0406112
st_NV	-.0194224	.0152509	-1.27	0.209	-.0500399	.0111951
st_NY	0	(omitted)				
st_OH	.0446758	.0151423	2.95	0.005	.0142764	.0750751
st_OK	.0444371	.0151058	2.94	0.005	.0141109	.0747633
st_OR	.023726	.0151116	1.57	0.123	-.0066119	.0540639
st_PA	-.011191	.0151547	-0.74	0.464	-.0416152	.0192333
st_PR	.018367	.0160246	1.15	0.257	-.0138037	.0505376
st_RI	.0281098	.0153092	1.84	0.072	-.0026248	.0588443
st_SC	.0369704	.015165	2.44	0.018	.0065255	.0674154
st_SD	.0141453	.0153589	0.92	0.361	-.0166889	.0449796
st_TN	.01077	.0151507	0.71	0.480	-.0196462	.0411862
st_TX	-.0163775	.0150626	-1.09	0.282	-.0466169	.0138619
st_UT	-.1721071	.0154671	-11.13	0.000	-.2031587	-.1410555
st_VA	-.0103281	.0151735	-0.68	0.499	-.0407902	.020134
st_VT	.0923781	.015153	6.10	0.000	.0619572	.1227989
st_WA	-.1033772	.0151983	-6.80	0.000	-.1338891	-.0728653
st_WI	.0679538	.0151002	4.50	0.000	.0376389	.0982688
st_WV	-.1701518	.0154413	-11.02	0.000	-.2011514	-.1391521
st_WY	.0150183	.0158131	0.95	0.347	-.0167279	.0467644
pial	6.62e-06	.0000124	0.53	0.595	-.0000182	.0000315
pia_miss	.0010665	.0089204	0.12	0.905	-.0168419	.0189749
ime1	-3.88e-06	3.30e-06	-1.17	0.246	-.0000105	2.75e-06
ime_miss	-.0092978	.0059474	-1.56	0.124	-.0212378	.0026422

```

      _cons |      .8879878   .0184142   48.22   0.000   .8510199   .9249558
-----+-----

```

(1) - imm1_adj - imm3_adj - imm4_adj = 0

```

-----+-----
      srvroll48 |      Coef.   Std. Err.      t    P>|t|      [95% Conf. Interval]
-----+-----
      (1) |      -.0013242   .0013985     -0.95   0.348     -.0041318   .0014835
-----+-----

```

(1) imm1_adj + imm3_adj + imm4_adj = .0013242

```

-----+-----
      srvroll48 |      Coef.   Std. Err.      t    P>|t|      [95% Conf. Interval]
-----+-----
      (1) |      -3.36e-17   .0013985     -0.00   1.000     -.0028077   .0028077
-----+-----

```

(1) imm1_adj = 0
(2) imm3_adj = 0
(3) imm4_adj = 0

F(3, 51) = 1.80
Prob > F = 0.1594

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 51) = 0.90
Prob > F = 0.3482

(1) - .5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 51) = 0.25
Prob > F = 0.6183

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH1NONY_nounemp.xls
dir : seeout
note: st_ND omitted because of collinearity
note: st_NY omitted because of collinearity

Linear regression Number of obs = 43080
F(47, 51) = .
Prob > F = .
R-squared = 0.4052
Root MSE = 1.1264

(Std. Err. adjusted for 52 clusters in tsd_state)

```

-----+-----
      nstw12 |      Coef.   Robust Std. Err.      t    P>|t|      [95% Conf. Interval]
-----+-----
      imm1_adj |     -.0028682   .0233967     -0.12   0.903     -.0498391   .0441027
      imm3_adj |      .0146203   .0142279      1.03   0.309     -.0139434   .043184
      imm4_adj |     -.0069273   .0076582     -0.90   0.370     -.0223017   .008447
      male     |      .0147432   .0077989      1.89   0.064     -.0009136   .0304001
gendermiss_flag |    -.0874047   .022956      -3.81   0.000     -.1334908  -.0413186
      tsd_age  |     -.005662   .0013653     -4.15   0.000     -.008403   -.0029209
      doage2   |      .0001723   .0012448      0.14   0.890     -.0023267   .0026713
doage2miss_flag |      .0289514   .0310516      0.93   0.356     -.0333872   .09129
      race_a   |      .0163717   .049441      0.33   0.742     -.0828852   .1156286
      race_b   |      .0473997   .0253554      1.87   0.067     -.0035034   .0983028
-----+-----

```

race_h	.0255782	.0132281	1.93	0.059	-.0009784	.0521348
race_i	-.021405	.0438332	-0.49	0.627	-.1094039	.0665938
race_o	-.0072216	.054461	-0.13	0.895	-.1165566	.1021134
race_mis	.0520557	.0323494	1.61	0.114	-.0128884	.1169997
tsd_edu_hs	.0165835	.0112528	1.47	0.147	-.0060074	.0391745
tsd_edu_mrhs	.0593288	.0142953	4.15	0.000	.0306298	.0880277
tsd_edu_mis	.0294314	.0181698	1.62	0.111	-.0070459	.0659088
tsd_mie_exp	-.0019428	.027382	-0.07	0.944	-.0569144	.0530288
tsd_mie_mis	.0198538	.017279	1.15	0.256	-.0148353	.0545429
tsd_mie_psbl	-.0183986	.0175184	-1.05	0.299	-.0535684	.0167711
tsd_medicare	-.0787564	.0113257	-6.95	0.000	-.1014936	-.0560192
tsd_medicare_miss	-.0234299	.0177373	-1.32	0.192	-.0590389	.0121792
tsd_depend_1	-.0294447	.0112173	-2.62	0.011	-.0519644	-.006925
tsd_depend_2	-.0310603	.0153772	-2.02	0.049	-.0619313	-.0001894
tsd_depend_miss	.0483158	.0290579	1.66	0.102	-.0100204	.106652
tsd_vrpr	.0768953	.0276805	2.78	0.008	.0213245	.1324662
tsd_vrpr_miss	.1164394	.026235	4.44	0.000	.0637705	.1691083
pdcgrou2	-.02464	.0137649	-1.79	0.079	-.0522743	.0029942
pdcgrou3	.0266687	.0305959	0.87	0.387	-.0347551	.0880925
pdcgrou4	.0444688	.012036	3.69	0.001	.0203055	.0686322
pdcgrou5	-.0483452	.0380385	-1.27	0.210	-.1247106	.0280203
cohort2000	.0572162	.0199881	2.86	0.006	.0170884	.097344
cohort2001	.0424712	.0399933	1.06	0.293	-.0378186	.122761
cohort2002	.0295854	.0535783	0.55	0.583	-.0779775	.1371484
cohort2003	.1066325	.0714914	1.49	0.142	-.0368925	.2501574
cohort2004	.2241298	.0715558	3.13	0.003	.0804756	.3677841
award_b4_tsd	-.0070319	.018253	-0.39	0.702	-.0436764	.0296125
diaward_tsd	.0001664	.0018651	0.09	0.929	-.0035779	.0039107
epeb4twp_flag	-.2224586	1.168265	-0.19	0.850	-2.567849	2.122932
ldwb4twp_flag	1.347315	.8697269	1.55	0.128	-.3987344	3.093365
ldwb4epe_flag	.7376795	.3231782	2.28	0.027	.0888723	1.386487
twpb4tsd	.990078	.0381677	25.94	0.000	.9134533	1.066703
epeb4tsd	1.051703	.0968529	10.86	0.000	.857263	1.246143
ldwb4tsd	5.660794	.1305796	43.35	0.000	5.398645	5.922944
st_AL	.7912875	.0442435	17.88	0.000	.702465	.88011
st_AR	.1770385	.0454209	3.90	0.000	.0858524	.2682247
st_AZ	.152647	.0438527	3.48	0.001	.0646091	.2406849
st_CA	.3163792	.0436166	7.25	0.000	.2288152	.4039433
st_CO	.1525257	.0436889	3.49	0.001	.0648167	.2402347
st_CT	.4418583	.0460132	9.60	0.000	.3494829	.5342338
st_DC	2.102393	.0478523	43.94	0.000	2.006325	2.19846
st_DE	.2199414	.0438281	5.02	0.000	.1319528	.30793
st_FL	.1698108	.0435969	3.90	0.000	.0822863	.2573352
st_GA	.2770687	.0441346	6.28	0.000	.1884648	.3656726
st_HI	.0692015	.0481712	1.44	0.157	-.0275063	.1659092
st_IA	.1597853	.0436002	3.66	0.001	.0722541	.2473164
st_ID	-.0769015	.0475818	-1.62	0.112	-.172426	.018623
st_IL	.174671	.04376	3.99	0.000	.0868191	.2625228
st_IN	-.0431847	.045	-0.96	0.342	-.133526	.0471566
st_KS	.0837351	.0431926	1.94	0.058	-.0029777	.1704478
st_KY	.0112339	.0441666	0.25	0.800	-.0774341	.099902
st_LA	.7159375	.0458742	15.61	0.000	.6238413	.8080338
st_MA	.191655	.0439823	4.36	0.000	.1033568	.2799531
st_MD	1.712368	.0449262	38.12	0.000	1.622175	1.802561
st_ME	.0043221	.045828	0.09	0.925	-.0876815	.0963258
st_MI	.6892551	.0442662	15.57	0.000	.600387	.7781232
st_MN	.4077545	.0441956	9.23	0.000	.3190281	.4964809
st_MO	.2056446	.0445051	4.62	0.000	.1162969	.2949924
st_MS	.0469775	.0444381	1.06	0.295	-.0422357	.1361906
st_MT	.1794151	.0581472	3.09	0.003	.0626797	.2961504
st_NC	-.0712383	.0439086	-1.62	0.111	-.1593885	.016912
st_ND	0	(omitted)				
st_NE	-.1959984	.0484293	-4.05	0.000	-.2932242	-.0987725

st_NH	.688357	.0441952	15.58	0.000	.5996314	.7770825
st_NJ	.1882773	.044049	4.27	0.000	.0998453	.2767094
st_NM	.011879	.0457463	0.26	0.796	-.0799604	.1037185
st_NV	.7079821	.0455179	15.55	0.000	.616601	.7993631
st_NY	0	(omitted)				
st_OH	1.230778	.0436263	28.21	0.000	1.143194	1.318361
st_OK	.1557658	.0436201	3.57	0.001	.0681948	.2433368
st_OR	.1237982	.0435261	2.84	0.006	.036416	.2111804
st_PA	.4149557	.044784	9.27	0.000	.3250482	.5048632
st_PR	-.0309639	.0451649	-0.69	0.496	-.1216361	.0597083
st_RI	1.330939	.0476241	27.95	0.000	1.23533	1.426549
st_SC	.155243	.0439689	3.53	0.001	.0669718	.2435143
st_SD	1.551154	.0475841	32.60	0.000	1.455625	1.646683
st_TN	.5868968	.0435684	13.47	0.000	.4994297	.6743639
st_TX	.4920179	.044113	11.15	0.000	.4034573	.5805785
st_UT	1.350357	.0451556	29.90	0.000	1.259703	1.441011
st_VA	.5328114	.0454549	11.72	0.000	.4415568	.6240659
st_VT	.1037105	.0442088	2.35	0.023	.0149577	.1924633
st_WA	.4289844	.0437276	9.81	0.000	.3411975	.5167713
st_WI	.1685939	.0435959	3.87	0.000	.0810714	.2561163
st_WV	.1988851	.0458459	4.34	0.000	.1068456	.2909246
st_WY	.0787726	.0457872	1.72	0.091	-.013149	.1706941
pial	-.0001868	.0001009	-1.85	0.070	-.0003893	.0000157
pia_miss	-.324269	.0905239	-3.58	0.001	-.5060033	-.1425347
ime1	.0000922	.0000371	2.49	0.016	.0000177	.0001667
ime_miss	.1621931	.0655686	2.47	0.017	.0305587	.2938275
_cons	-.0708989	.061342	-1.16	0.253	-.1940482	.0522503

(1) - imm1_adj - imm3_adj - imm4_adj = 0

nstwl2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0048247	.0141717	-0.34	0.735	-.0332756 .0236262

(1) imm1_adj + imm3_adj + imm4_adj = .0048247

nstwl2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	3.47e-18	.0141717	0.00	1.000	-.0284509 .0284509

(1) imm1_adj = 0

(2) imm3_adj = 0

(3) imm4_adj = 0

F(3, 51) = 0.65
 Prob > F = 0.5837

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 51) = 0.12
 Prob > F = 0.7349

(1) - .5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 51) = 0.83
 Prob > F = 0.3679

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NONY_nounemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs =	43080
F(47, 51) =	.
Prob > F =	.
R-squared =	0.3286
Root MSE =	2.6196

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0135558	.0536701	-0.25	0.802	-.1213031	.0941914
imm3_adj	.0347016	.0265654	1.31	0.197	-.0186306	.0880339
imm4_adj	-.0100216	.017832	-0.56	0.577	-.0458209	.0257777
male	.0312345	.0190935	1.64	0.108	-.0070973	.0695663
gendermiss_flag	-.2433093	.0478114	-5.09	0.000	-.3392946	-.147324
tsd_age	-.0220282	.0026666	-8.26	0.000	-.0273816	-.0166748
doage2	.0013026	.0029154	0.45	0.657	-.0045503	.0071555
doage2miss_flag	.0109473	.1152117	0.10	0.925	-.2203498	.2422444
race_a	.1816132	.1278043	1.42	0.161	-.0749647	.438191
race_b	.1160797	.0559788	2.07	0.043	.0036976	.2284619
race_h	.1239098	.0293401	4.22	0.000	.065007	.1828126
race_i	-.0852159	.0946768	-0.90	0.372	-.2752875	.1048557
race_o	-.0973988	.1190684	-0.82	0.417	-.3364386	.1416411
race_mis	.0863234	.0688186	1.25	0.215	-.0518357	.2244826
tsd_edu_hs	.0470505	.0260303	1.81	0.077	-.0052075	.0993085
tsd_edu_mrhs	.2157728	.0376829	5.73	0.000	.1401211	.2914244
tsd_edu_mis	.1488472	.0494051	3.01	0.004	.0496624	.2480321
tsd_mie_exp	.0291441	.0644538	0.45	0.653	-.1002523	.1585406
tsd_mie_mis	.0284423	.0431474	0.66	0.513	-.0581797	.1150644
tsd_mie_psbl	-.0491593	.0365094	-1.35	0.184	-.122455	.0241364
tsd_medicare	-.195884	.0219921	-8.91	0.000	-.2400351	-.151733
tsd_medicare_miss	-.1701231	.0503968	-3.38	0.001	-.271299	-.0689473
tsd_depend_1	-.1137934	.020762	-5.48	0.000	-.1554749	-.0721119
tsd_depend_2	-.1023646	.0354409	-2.89	0.006	-.1735152	-.0312141
tsd_depend_miss	.0868498	.0733867	1.18	0.242	-.0604802	.2341798
tsd_vrpr	.2723525	.0564809	4.82	0.000	.1589623	.3857427
tsd_vrpr_miss	.3257085	.0552161	5.90	0.000	.2148575	.4365594
pcdgroup2	-.0765274	.0326436	-2.34	0.023	-.1420622	-.0109926
pcdgroup3	.0695992	.0559523	1.24	0.219	-.0427298	.1819281
pcdgroup4	.1280176	.0317496	4.03	0.000	.0642776	.1917576
pcdgroup5	.1272976	.2771066	0.46	0.648	-.429017	.6836122
cohort2000	.0837884	.0610751	1.37	0.176	-.0388249	.2064018
cohort2001	.0310815	.1056948	0.29	0.770	-.1811096	.2432727
cohort2002	.0281141	.1277559	0.22	0.827	-.2283666	.2845948
cohort2003	.1422539	.1543975	0.92	0.361	-.1677121	.4522198
cohort2004	.4408336	.1946343	2.26	0.028	.0500888	.8315784
award_b4_tsd	.0117916	.0499866	0.24	0.814	-.0885607	.1121438
diaward_tsd	-.0045542	.0037634	-1.21	0.232	-.0121096	.0030012
epeb4twp_flag	.3149917	1.894165	0.17	0.869	-3.487702	4.117686
ldwb4twp_flag	2.998059	.9748786	3.08	0.003	1.040909	4.95521
ldwb4epe_flag	2.991001	.6498188	4.60	0.000	1.686435	4.295567
twpb4tsd	3.011072	.1111968	27.08	0.000	2.787835	3.234308
epeb4tsd	1.814548	.1922464	9.44	0.000	1.428597	2.200498
ldwb4tsd	10.10152	.2079277	48.58	0.000	9.684086	10.51895
st_AL	.9847841	.0762587	12.91	0.000	.8316884	1.13788

st_AR	.8925812	.0771604	11.57	0.000	.7376753	1.047487
st_AZ	.4267806	.0754924	5.65	0.000	.2752232	.578338
st_CA	.7749966	.0748143	10.36	0.000	.6248006	.9251926
st_CO	.3873927	.0748193	5.18	0.000	.2371867	.5375987
st_CT	1.249915	.079917	15.64	0.000	1.089475	1.410355
st_DC	6.093733	.086271	70.63	0.000	5.920537	6.26693
st_DE	.5255427	.0751573	6.99	0.000	.3746581	.6764273
st_FL	.4153608	.0747029	5.56	0.000	.2653884	.5653332
st_GA	.5591337	.0761875	7.34	0.000	.4061809	.7120865
st_HI	.0343363	.0895862	0.38	0.703	-.1455154	.214188
st_IA	.3386434	.0745313	4.54	0.000	.1890156	.4882712
st_ID	-.377163	.0841557	-4.48	0.000	-.5461126	-.2082133
st_IL	.4613745	.0750953	6.14	0.000	.3106143	.6121347
st_IN	-.1772484	.0791344	-2.24	0.029	-.3361173	-.0183794
st_KS	.1604357	.0747251	2.15	0.037	.0104188	.3104526
st_KY	-.1050429	.075268	-1.40	0.169	-.2561498	.0460639
st_LA	.1148566	.087283	1.32	0.194	-.0603712	.2900845
st_MA	.5547203	.0758373	7.31	0.000	.4024705	.7069701
st_MD	3.109778	.0798954	38.92	0.000	2.949381	3.270175
st_ME	1.319044	.0799409	16.50	0.000	1.158556	1.479532
st_MI	1.305434	.0751411	17.37	0.000	1.154582	1.456286
st_MN	.9268054	.0766904	12.09	0.000	.7728429	1.080768
st_MO	.2568152	.0782179	3.28	0.002	.0997863	.4138442
st_MS	-.0227287	.0776503	-0.29	0.771	-.1786181	.1331608
st_MT	.2702343	.0996685	2.71	0.009	.0701415	.4703271
st_NC	-.357726	.0758113	-4.72	0.000	-.5099236	-.2055284
st_ND	0	(omitted)				
st_NE	-.4133714	.0836779	-4.94	0.000	-.5813617	-.2453811
st_NH	1.380405	.0792512	17.42	0.000	1.221301	1.539508
st_NJ	.0516617	.0758455	0.68	0.499	-.1006045	.2039279
st_NM	-.0285089	.0802006	-0.36	0.724	-.1895184	.1325006
st_NV	1.334602	.0805202	16.57	0.000	1.172951	1.496253
st_NY	0	(omitted)				
st_OH	2.553686	.0744837	34.29	0.000	2.404154	2.703219
st_OK	.3883898	.0743289	5.23	0.000	.2391684	.5376113
st_OR	.2864533	.0746056	3.84	0.000	.1366763	.4362303
st_PA	1.104806	.0771702	14.32	0.000	.9498801	1.259732
st_PR	-.121971	.0795461	-1.53	0.131	-.2816663	.0377244
st_RI	3.920225	.0828476	47.32	0.000	3.753902	4.086549
st_SC	.3705578	.0753925	4.92	0.000	.2192011	.5219145
st_SD	4.232856	.0846234	50.02	0.000	4.062968	4.402745
st_TN	.7671438	.0753651	10.18	0.000	.6158421	.9184454
st_TX	.8926573	.0767375	11.63	0.000	.7386003	1.046714
st_UT	2.56849	.0800891	32.07	0.000	2.407705	2.729276
st_VA	1.489288	.0786075	18.95	0.000	1.331477	1.647099
st_VT	.2956607	.0768348	3.85	0.000	.1414084	.449913
st_WA	1.479661	.0747612	19.79	0.000	1.329572	1.62975
st_WI	.4117339	.0745394	5.52	0.000	.2620898	.561378
st_WV	.4392628	.0774233	5.67	0.000	.283829	.5946967
st_WY	.0050853	.0815219	0.06	0.951	-.1585768	.1687474
pial	-.0004071	.0001845	-2.21	0.032	-.0007774	-.0000367
pia_miss	-.8351934	.1671412	-5.00	0.000	-1.170743	-.4996435
ime1	.0002194	.0000699	3.14	0.003	.0000791	.0003597
ime_miss	.3303335	.1273136	2.59	0.012	.0747407	.5859263
_cons	.2246595	.1440229	1.56	0.125	-.0644785	.5137975

(1) - imm1_adj - imm3_adj - imm4_adj = 0

nstw24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0111242	.0380002	-0.29	0.771	-.0874128 .0651643

(1) imm1_adj + imm3_adj + imm4_adj = .0111242

nstw24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	4.68e-17	.0380002	0.00	1.000	-.0762885 .0762885

(1) imm1_adj = 0
 (2) imm3_adj = 0
 (3) imm4_adj = 0

F(3, 51) = 1.15
 Prob > F = 0.3380

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 51) = 0.09
 Prob > F = 0.7709

(1) -.5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 51) = 0.97
 Prob > F = 0.3294

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\LPM_PH1NONY_nounemp.xls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(47, 51) = .
 Prob > F = .
 R-squared = 0.2716
 Root MSE = 4.3864

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
imm1_adj	-.0214636	.0711611	-0.30	0.764	-.1643255 .1213983
imm3_adj	.0299586	.036106	0.83	0.411	-.0425273 .1024445
imm4_adj	.0082436	.0348248	0.24	0.814	-.06167 .0781573
male	.0658157	.037358	1.76	0.084	-.0091837 .1408151
gendermiss_flag	-.4351436	.075805	-5.74	0.000	-.5873284 -.2829588
tsd_age	-.0453907	.0045082	-10.07	0.000	-.0544413 -.0363401
doage2	.002959	.0052124	0.57	0.573	-.0075053 .0134233
doage2miss_flag	-.1321501	.2481885	-0.53	0.597	-.6304094 .3661091
race_a	.3166635	.2059886	1.54	0.130	-.0968759 .7302029
race_b	.2304448	.0755971	3.05	0.004	.0786774 .3822122
race_h	.2739603	.0591287	4.63	0.000	.1552544 .3926661
race_i	-.1029027	.155389	-0.66	0.511	-.4148591 .2090538
race_o	-.2406155	.1849543	-1.30	0.199	-.6119267 .1306957
race_mis	.1236592	.1090316	1.13	0.262	-.0952309 .3425492
tsd_edu_hs	.1033719	.0315152	3.28	0.002	.0401024 .1666413
tsd_edu_mrhs	.4750261	.0619156	7.67	0.000	.3507253 .5993269
tsd_edu_mis	.3259859	.0774198	4.21	0.000	.1705592 .4814126
tsd_mie_exp	.0223238	.1107695	0.20	0.841	-.2000552 .2447029
tsd_mie_mis	-.0097181	.0699168	-0.14	0.890	-.150082 .1306457

tsd_mie_psbl	-.1109783	.0578708	-1.92	0.061	-.2271587	.0052022
tsd_medicare	-.3031534	.0391897	-7.74	0.000	-.3818299	-.2244768
tsd_medicare_miss	-.4916144	.0915283	-5.37	0.000	-.6753651	-.3078636
tsd_depend_1	-.2145907	.0407577	-5.27	0.000	-.2964152	-.1327663
tsd_depend_2	-.1816078	.0524225	-3.46	0.001	-.2868503	-.0763654
tsd_depend_miss	.0795709	.1318424	0.60	0.549	-.1851138	.3442556
tsd_vrpr	.48037	.0921966	5.21	0.000	.2952775	.6654625
tsd_vrpr_miss	.4559142	.0926884	4.92	0.000	.2698345	.6419938
pdcgrou2	-.1665832	.0523876	-3.18	0.003	-.2717556	-.0614108
pdcgrou3	.1209432	.0722117	1.67	0.100	-.0240278	.2659143
pdcgrou4	.2358527	.0523715	4.50	0.000	.1307125	.3409929
pdcgrou5	.0125158	.3155503	0.04	0.969	-.6209779	.6460096
cohort2000	.0602872	.0906336	0.67	0.509	-.1216673	.2422417
cohort2001	-.0384103	.1460978	-0.26	0.794	-.3317139	.2548932
cohort2002	-.0054728	.1949793	-0.03	0.978	-.3969102	.3859646
cohort2003	.4350002	.275871	1.58	0.121	-.1188339	.9888342
cohort2004	.6001776	.3115757	1.93	0.060	-.0253367	1.225692
award_b4_tsd	.0779165	.1004574	0.78	0.442	-.1237601	.2795931
diaward_tsd	-.0137961	.004813	-2.87	0.006	-.0234586	-.0041336
epeb4twp_flag	.8481044	3.226582	0.26	0.794	-5.62953	7.325739
ldwb4twp_flag	4.569749	1.641296	2.78	0.008	1.27471	7.864788
ldwb4epe_flag	6.442344	.9194948	7.01	0.000	4.596382	8.288307
twpb4tsd	5.026604	.2117961	23.73	0.000	4.601405	5.451802
epeb4tsd	2.451569	.284811	8.61	0.000	1.879787	3.023351
ldwb4tsd	13.74943	.2847701	48.28	0.000	13.17773	14.32113
st_AL	.8729553	.1539134	5.67	0.000	.5639613	1.181949
st_AR	1.620593	.1573523	10.30	0.000	1.304695	1.936491
st_AZ	.7521891	.1550996	4.85	0.000	.4408137	1.063565
st_CA	1.241084	.1541846	8.05	0.000	.9315454	1.550623
st_CO	.6679386	.1540973	4.33	0.000	.3585752	.9773019
st_CT	2.370346	.1583849	14.97	0.000	2.052375	2.688317
st_DC	9.870778	.1643141	60.07	0.000	9.540903	10.20065
st_DE	.9063032	.1531528	5.92	0.000	.5988362	1.21377
st_FL	.7150629	.1530941	4.67	0.000	.4077136	1.022412
st_GA	.9165659	.155201	5.91	0.000	.6049868	1.228145
st_HI	-.0736284	.1744022	-0.42	0.675	-.4237554	.2764986
st_IA	.5278916	.1533837	3.44	0.001	.219961	.8358222
st_ID	-.7484076	.1624535	-4.61	0.000	-1.074547	-.4222686
st_IL	.7814791	.1541692	5.07	0.000	.4719716	1.090987
st_IN	.4343453	.1608753	2.70	0.009	.1113747	.757316
st_KS	.1491746	.1532596	0.97	0.335	-.1585069	.4568562
st_KY	-.2826474	.155558	-1.82	0.075	-.5949431	.0296483
st_LA	.2013731	.1721916	1.17	0.248	-.144316	.5470621
st_MA	.9768232	.1556125	6.28	0.000	.6644181	1.289228
st_MD	4.018211	.1611318	24.94	0.000	3.694725	4.341697
st_ME	2.963751	.1602943	18.49	0.000	2.641947	3.285555
st_MI	2.078429	.1546174	13.44	0.000	1.768022	2.388836
st_MN	1.693647	.1568689	10.80	0.000	1.378719	2.008574
st_MO	.3176609	.1589016	2.00	0.051	-.0013474	.6366691
st_MS	.6356371	.1554925	4.09	0.000	.3234728	.9478013
st_MT	.0899584	.1967824	0.46	0.650	-.3050988	.4850155
st_NC	-.6005726	.155556	-3.86	0.000	-.9128643	-.2882808
st_ND	0	(omitted)				
st_NE	-.7577378	.163242	-4.64	0.000	-1.08546	-.4300157
st_NH	2.4694	.1618626	15.26	0.000	2.144447	2.794353
st_NJ	.1915824	.1563282	1.23	0.226	-.1222596	.5054243
st_NM	-.2021599	.161738	-1.25	0.217	-.5268625	.1225428
st_NV	1.98338	.1622147	12.23	0.000	1.657721	2.30904
st_NY	0	(omitted)				
st_OH	4.02827	.1528726	26.35	0.000	3.721365	4.335174
st_OK	.6275726	.1530211	4.10	0.000	.32037	.9347752
st_OR	.4485947	.153619	2.92	0.005	.1401917	.7569978
st_PA	1.713113	.1580493	10.84	0.000	1.395816	2.03041

st_PR	-.3767466	.1630563	-2.31	0.025	-.7040958	-.0493975
st_RI	6.478891	.1630655	39.73	0.000	6.151524	6.806259
st_SC	.5586762	.1530786	3.65	0.001	.2513582	.8659942
st_SD	7.873267	.1713302	45.95	0.000	7.529307	8.217227
st_TN	1.345716	.1548143	8.69	0.000	1.034913	1.656518
st_TX	1.069247	.1560559	6.85	0.000	.7559512	1.382542
st_UT	3.6276	.1664014	21.80	0.000	3.293535	3.961664
st_VA	2.809189	.1602845	17.53	0.000	2.487404	3.130973
st_VT	.6225851	.1565563	3.98	0.000	.3082853	.9368849
st_WA	2.781753	.1536423	18.11	0.000	2.473303	3.090203
st_WI	.6289678	.1533908	4.10	0.000	.3210228	.9369127
st_WV	.5668118	.1583148	3.58	0.001	.2489815	.8846421
st_WY	-.2453971	.1626881	-1.51	0.138	-.5720072	.0812129
pia1	-.0005347	.000257	-2.08	0.043	-.0010506	-.0000187
pia_miss	-1.263964	.2229893	-5.67	0.000	-1.711633	-.8162941
ime1	.0003192	.0000947	3.37	0.001	.000129	.0005094
ime_miss	.347959	.1847493	1.88	0.065	-.0229408	.7188588
_cons	.9613151	.2339598	4.11	0.000	.4916212	1.431009

(1) - imm1_adj - imm3_adj - imm4_adj = 0

nstw36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0167387	.0586307	-0.29	0.776	-.1344448 .1009675

(1) imm1_adj + imm3_adj + imm4_adj = .0167387

nstw36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	1.73e-17	.0586307	0.00	1.000	-.1177061 .1177061

(1) imm1_adj = 0
(2) imm3_adj = 0
(3) imm4_adj = 0

F(3, 51) = 0.62
Prob > F = 0.6040

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 51) = 0.08
Prob > F = 0.7764

(1) -.5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 51) = 0.21
Prob > F = 0.6484

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH1NONY_nounemp.xls
dir : seeout
note: st_ND omitted because of collinearity
note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
F(47, 51) = .
Prob > F = .
R-squared = 0.2332

Root MSE = 6.3497

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0253411	.0839414	-0.30	0.764	-.1938606	.1431784
imm3_adj	.027086	.0501281	0.54	0.591	-.0735504	.1277224
imm4_adj	.0241392	.0564398	0.43	0.671	-.0891685	.1374468
male	.1209981	.0611513	1.98	0.053	-.0017683	.2437645
gendermiss_flag	-.6925737	.1200119	-5.77	0.000	-.9335077	-.4516397
tsd_age	-.075257	.0066072	-11.39	0.000	-.0885216	-.0619924
doage2	.0042849	.0071047	0.60	0.549	-.0099785	.0185482
doage2miss_flag	-.046735	.1824877	-0.26	0.799	-.4130942	.3196243
race_a	.4800374	.2427619	1.98	0.053	-.0073274	.9674022
race_b	.3693927	.0877152	4.21	0.000	.1932971	.5454882
race_h	.4195416	.1071437	3.92	0.000	.2044417	.6346416
race_i	-.070564	.2404976	-0.29	0.770	-.5533831	.4122551
race_o	-.4036754	.2261629	-1.78	0.080	-.8577163	.0503655
race_mis	.1190065	.1864015	0.64	0.526	-.2552101	.4932231
tsd_edu_hs	.1851774	.0512211	3.62	0.001	.0823467	.288008
tsd_edu_mrhs	.8147498	.0969491	8.40	0.000	.6201163	1.009383
tsd_edu_mis	.5300221	.1082406	4.90	0.000	.31272	.7473242
tsd_mie_exp	.0512032	.1682395	0.30	0.762	-.2865518	.3889581
tsd_mie_mis	-.0444226	.0985907	-0.45	0.654	-.2423517	.1535064
tsd_mie_psbl	-.1984362	.0775742	-2.56	0.014	-.3541729	-.0426996
tsd_medicare	-.4130349	.0604587	-6.83	0.000	-.5344107	-.291659
tsd_medicare_miss	-.8728831	.1331117	-6.56	0.000	-1.140116	-.6056502
tsd_depend_1	-.3422954	.0684447	-5.00	0.000	-.4797039	-.2048869
tsd_depend_2	-.2522653	.0690594	-3.65	0.001	-.3909078	-.1136229
tsd_depend_miss	.0102303	.1631342	0.06	0.950	-.3172753	.3377358
tsd_vrpr	.6350556	.1466762	4.33	0.000	.3405909	.9295204
tsd_vrpr_miss	.4725817	.1491044	3.17	0.003	.1732422	.7719213
pdcgroup2	-.3252068	.0737589	-4.41	0.000	-.4732841	-.1771296
pdcgroup3	.2146571	.1115402	1.92	0.060	-.0092693	.4385835
pdcgroup4	.3253461	.0861839	3.78	0.000	.1523247	.4983676
pdcgroup5	-.20703	.3433048	-0.60	0.549	-.8962431	.4821832
cohort2000	.1008113	.1229724	0.82	0.416	-.146066	.3476886
cohort2001	.0310883	.2118032	0.15	0.884	-.3941245	.456301
cohort2002	.105766	.3059444	0.35	0.731	-.5084431	.7199751
cohort2003	1.183692	.4464426	2.65	0.011	.2874215	2.079963
cohort2004	.9501066	.4719552	2.01	0.049	.002617	1.897596
award_b4_tsd	.1894145	.1775172	1.07	0.291	-.1669663	.5457952
diaward_tsd	-.0183378	.0081635	-2.25	0.029	-.0347267	-.0019489
epeb4twp_flag	.694065	4.333165	0.16	0.873	-8.005126	9.393256
ldwb4twp_flag	4.802713	2.079604	2.31	0.025	.6277337	8.977692
ldwb4epe_flag	10.21302	1.249022	8.18	0.000	7.705508	12.72054
twpb4tsd	6.988777	.2927959	23.87	0.000	6.400964	7.576589
epeb4tsd	2.960758	.3960118	7.48	0.000	2.165732	3.755785
ldwb4tsd	17.09378	.3923279	43.57	0.000	16.30615	17.88141
st_AL	.6463469	.392878	1.65	0.106	-.1423886	1.435082
st_AR	2.355826	.3971463	5.93	0.000	1.558521	3.15313
st_AZ	1.003843	.3936406	2.55	0.014	.213576	1.794109
st_CA	1.850689	.3930587	4.71	0.000	1.061591	2.639788
st_CO	.9049145	.3929581	2.30	0.025	.1160181	1.693811
st_CT	3.324092	.3959671	8.39	0.000	2.529155	4.119029
st_DC	13.42459	.4024827	33.35	0.000	12.61657	14.23261
st_DE	1.306181	.3917866	3.33	0.002	.5196367	2.092725
st_FL	.9737245	.3919821	2.48	0.016	.1867876	1.760661
st_GA	1.271054	.3945014	3.22	0.002	.4790592	2.063048
st_HI	-.3428851	.4080496	-0.84	0.405	-1.162079	.4763087
st_IA	.6914714	.3920897	1.76	0.084	-.0956815	1.478624

st_ID	-.228837	.3978167	-0.58	0.568	-1.027487	.5698134
st_IL	1.064783	.3928572	2.71	0.009	.2760891	1.853477
st_IN	.923754	.3996843	2.31	0.025	.1213542	1.726154
st_KS	-.0116877	.3925131	-0.03	0.976	-.7996906	.7763153
st_KY	.1450837	.3949554	0.37	0.715	-.6478224	.9379898
st_LA	.2109645	.4080254	0.52	0.607	-.6081806	1.03011
st_MA	1.353553	.3939579	3.44	0.001	.56265	2.144457
st_MD	4.375843	.398271	10.99	0.000	3.57628	5.175405
st_ME	3.098596	.3989503	7.77	0.000	2.29767	3.899522
st_MI	2.535848	.3933839	6.45	0.000	1.746097	3.325599
st_MN	2.053123	.3961632	5.18	0.000	1.257792	2.848454
st_MO	.5875799	.3966093	1.48	0.145	-.2086466	1.383806
st_MS	.8119255	.3948733	2.06	0.045	.0191842	1.604667
st_MT	-.3797649	.4445059	-0.85	0.397	-1.272148	.5126179
st_NC	-.7910883	.3942186	-2.01	0.050	-1.582515	.0003385
st_ND	0	(omitted)				
st_NE	-1.21087	.3968435	-3.05	0.004	-2.007566	-.4141734
st_NH	2.744824	.3974306	6.91	0.000	1.946949	3.542699
st_NJ	.526993	.3957675	1.33	0.189	-.2675433	1.321529
st_NM	-.5442447	.3975461	-1.37	0.177	-1.342352	.2538624
st_NV	2.633907	.3992585	6.60	0.000	1.832362	3.435452
st_NY	0	(omitted)				
st_OH	5.53419	.3923348	14.11	0.000	4.746545	6.321835
st_OK	.8333686	.3919337	2.13	0.038	.0465288	1.620208
st_OR	.5337324	.3924258	1.36	0.180	-.2540953	1.32156
st_PA	2.430858	.3961594	6.14	0.000	1.635534	3.226181
st_PR	-.8236792	.403144	-2.04	0.046	-1.633025	-.0143338
st_RI	8.88773	.4015481	22.13	0.000	8.081589	9.693872
st_SC	.6623382	.3917484	1.69	0.097	-.1241295	1.448806
st_SD	10.84905	.4069344	26.66	0.000	10.03209	11.666
st_TN	1.968978	.3931045	5.01	0.000	1.179788	2.758168
st_TX	1.28115	.3940159	3.25	0.002	.4901302	2.07217
st_UT	4.447678	.4078302	10.91	0.000	3.628925	5.266432
st_VA	4.053602	.3976504	10.19	0.000	3.255286	4.851919
st_VT	.8422204	.3947492	2.13	0.038	.0497283	1.634712
st_WA	4.350629	.3928765	11.07	0.000	3.561896	5.139361
st_WI	.801927	.3920634	2.05	0.046	.0148269	1.589027
st_WV	.5057127	.3986086	1.27	0.210	-.2945275	1.305953
st_WY	-.704132	.4007285	-1.76	0.085	-1.508628	.1003641
pial	-.0006316	.0002956	-2.14	0.037	-.001225	-.0000381
pia_miss	-1.61824	.2780386	-5.82	0.000	-2.176426	-1.060054
ime1	.0004119	.0001034	3.99	0.000	.0002044	.0006194
ime_miss	.2303765	.2194129	1.05	0.299	-.2101133	.6708663
_cons	2.019347	.4715844	4.28	0.000	1.072602	2.966092

(1) - imm1_adj - imm3_adj - imm4_adj = 0

nstw48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.025884	.0788096	-0.33	0.744	-.1841008 .1323328

(1) imm1_adj + imm3_adj + imm4_adj = .025884

nstw48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	4.16e-17	.0788096	0.00	1.000	-.1582168 .1582168

(1) imm1_adj = 0

(2) imm3_adj = 0
 (3) imm4_adj = 0

F(3, 51) = 0.62
 Prob > F = 0.6059

(1) imm1_adj + imm3_adj + imm4_adj = 0

F(1, 51) = 0.11
 Prob > F = 0.7439

(1) - .5*imm1_adj + 1.5*imm3_adj - imm4_adj = 0

F(1, 51) = 0.04
 Prob > F = 0.8468

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH1NONY_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.1126
 Root MSE = .12511

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll112	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
imm10_adj	-.001588	.0011004	-1.44	0.155	-.0037952 .0006192
imm12_adj	.0008802	.000867	1.02	0.315	-.0008589 .0026192
imm13_adj	.0011584	.0012332	0.94	0.352	-.0013151 .0036319
imm14_adj	-.0006849	.0015295	-0.45	0.656	-.0037527 .0023829
imm15_adj	-.0005115	.0010242	-0.50	0.620	-.0025659 .0015429
imm16_adj	.0007681	.0011943	0.64	0.523	-.0016272 .0031635
imm17_adj	.0004477	.0010593	0.42	0.674	-.0016771 .0025724
imm18_adj	.0018633	.0014728	1.27	0.211	-.0010908 .0048173
imm19_adj	-.0006353	.0010834	-0.59	0.560	-.0028083 .0015376
male	.0033411	.0009036	3.70	0.001	.0015288 .0051534
gendermiss_flag	-.011973	.0041247	-2.90	0.005	-.0202461 -.0037
tsd_age	-.00071	.0001411	-5.03	0.000	-.000993 -.0004271
doage2	4.73e-06	.0001152	0.04	0.967	-.0002264 .0002359
doage2miss_flag	-.0154953	.0039282	-3.94	0.000	-.0233743 -.0076163
race_a	-.0022669	.0039443	-0.57	0.568	-.0101782 .0056445
race_b	.005073	.0013586	3.73	0.000	.0023479 .007798
race_h	.0073459	.002769	2.65	0.011	.001792 .0128998
race_i	.0052389	.0069398	0.75	0.454	-.0086806 .0191584
race_o	-.000181	.0068951	-0.03	0.979	-.0140109 .0136489
race_mis	.000797	.0028649	0.28	0.782	-.0049491 .0065432
tsd_edu_hs	.003692	.0012179	3.03	0.004	.0012492 .0061348
tsd_edu_mrhs	.009145	.0018993	4.82	0.000	.0053355 .0129545
tsd_edu_mis	.0056205	.0013237	4.25	0.000	.0029654 .0082756
tsd_mie_exp	.0027363	.0032753	0.84	0.407	-.0038331 .0093057
tsd_mie_mis	.0007976	.0015995	0.50	0.620	-.0024105 .0040058
tsd_mie_psb1	.000551	.0013194	0.42	0.678	-.0020954 .0031975
tsd_medicare	-.0041735	.0017893	-2.33	0.024	-.0077624 -.0005846
tsd_medicare_miss	-.0077975	.0019964	-3.91	0.000	-.0118018 -.0037932
tsd_depend_1	-.0027586	.0012932	-2.13	0.038	-.0053523 -.0001649
tsd_depend_2	-.0021691	.0010985	-1.97	0.054	-.0043724 .0000342
tsd_depend_miss	.0016269	.0025951	0.63	0.533	-.0035782 .006832
tsd_vrpr	.0135973	.0025254	5.38	0.000	.0085319 .0186626

tsd_vrpr_miss	.0088913	.0019299	4.61	0.000	.0050204	.0127622
pdcgroup2	-.0022963	.0012965	-1.77	0.082	-.0048968	.0003042
pdcgroup3	.0027431	.0012047	2.28	0.027	.0003267	.0051595
pdcgroup4	.0032472	.0011515	2.82	0.007	.0009377	.0055568
pdcgroup5	-.0011952	.0106875	-0.11	0.911	-.0226317	.0202412
cohort2000	.0013515	.0016698	0.81	0.422	-.0019978	.0047007
cohort2001	.007913	.0029656	2.67	0.010	.0019647	.0138613
cohort2002	.0062124	.0050389	1.23	0.223	-.0038943	.0163191
cohort2003	.007992	.0077336	1.03	0.306	-.0075196	.0235036
cohort2004	.0048635	.0074125	0.66	0.515	-.0100041	.0197312
award_b4_tsd	.0009055	.0044997	0.20	0.841	-.0081198	.0099308
diaward_tsd	-.0000941	.0001369	-0.69	0.495	-.0003688	.0001805
epeb4twp_flag	.0002678	.1550045	0.00	0.999	-.3106318	.3111674
ldwb4twp_flag	.2674291	.0789105	3.39	0.001	.1091547	.4257034
ldwb4epe_flag	.0920611	.0392318	2.35	0.023	.013372	.1707502
twpb4tsd	.1586454	.0088321	17.96	0.000	.1409306	.1763603
epeb4tsd	.0732024	.0051428	14.23	0.000	.0628873	.0835174
ldwb4tsd	-.1000345	.0092123	-10.86	0.000	-.1185121	-.081557
st_AL	-.0041557	.0019419	-2.14	0.037	-.0080506	-.0002607
st_AR	-.0111206	.0017356	-6.41	0.000	-.0146017	-.0076395
st_AZ	-.0202336	.0019605	-10.32	0.000	-.0241658	-.0163014
st_CA	-.0377208	.0019658	-19.19	0.000	-.0416638	-.0337779
st_CO	-.0203779	.002022	-10.08	0.000	-.0244336	-.0163223
st_CT	-.0114765	.0019022	-6.03	0.000	-.0152918	-.0076612
st_DC	-.0030551	.0019932	-1.53	0.131	-.007053	.0009428
st_DE	-.027654	.00196	-14.11	0.000	-.0315853	-.0237227
st_FL	-.0121434	.0019346	-6.28	0.000	-.0160237	-.0082631
st_GA	-.0078744	.0017642	-4.46	0.000	-.011413	-.0043357
st_HI	-.0145596	.0018708	-7.78	0.000	-.018312	-.0108073
st_IA	-.017	.002305	-7.38	0.000	-.0216231	-.0123768
st_ID	-.0021855	.0019736	-1.11	0.273	-.006144	.0017729
st_IL	-.0210718	.0019859	-10.61	0.000	-.025055	-.0170886
st_IN	-.0104975	.0017663	-5.94	0.000	-.0140403	-.0069547
st_KS	-.0159099	.0018843	-8.44	0.000	-.0196892	-.0121305
st_KY	-.0112816	.0017061	-6.61	0.000	-.0147036	-.0078595
st_LA	-.0082928	.0017588	-4.72	0.000	-.0118205	-.0047651
st_MA	-.0143916	.0022775	-6.32	0.000	-.0189598	-.0098235
st_MD	.0372173	.001934	19.24	0.000	.0333382	.0410964
st_ME	-.0150615	.0018599	-8.10	0.000	-.018792	-.0113309
st_MI	-.0073589	.0017533	-4.20	0.000	-.0108756	-.0038421
st_MN	.0005564	.0019727	0.28	0.779	-.0034003	.0045131
st_MO	-.0119518	.0017657	-6.77	0.000	-.0154934	-.0084103
st_MS	-.0055328	.0017454	-3.17	0.003	-.0090336	-.0020319
st_MT	-.0155667	.0017505	-8.89	0.000	-.0190777	-.0120557
st_NC	-.0344967	.0017141	-20.13	0.000	-.0379347	-.0310587
st_ND	-.021006	.001864	-11.27	0.000	-.0247446	-.0172673
st_NE	-.0353242	.0025159	-14.04	0.000	-.0403705	-.0302779
st_NH	-.0132486	.001839	-7.20	0.000	-.0169371	-.0095601
st_NJ	-.0061205	.0018932	-3.23	0.002	-.0099177	-.0023233
st_NM	-.0035625	.0020026	-1.78	0.081	-.0075793	.0004542
st_NV	-.0102584	.0017537	-5.85	0.000	-.0137759	-.006741
st_NY	-.0131727	.0019443	-6.77	0.000	-.0170725	-.0092729
st_OH	.0026551	.0019266	1.38	0.174	-.0012092	.0065194
st_OK	.0041364	.001717	2.41	0.019	.0006926	.0075802
st_OR	-.0141917	.0017656	-8.04	0.000	-.017733	-.0106505
st_PA	-.0154556	.0020848	-7.41	0.000	-.0196372	-.011274
st_PR	-.009257	.0029618	-3.13	0.003	-.0151977	-.0033164
st_RI	-.1001241	.004929	-20.31	0.000	-.1100104	-.0902377
st_SC	-.0165548	.0020506	-8.07	0.000	-.0206679	-.0124418
st_SD	-.0168763	.0018208	-9.27	0.000	-.0205284	-.0132243
st_TN	-.0084783	.0017672	-4.80	0.000	-.0120229	-.0049338
st_TX	-.0171208	.0019536	-8.76	0.000	-.0210391	-.0132025
st_UT	-.0274683	.0020298	-13.53	0.000	-.0315396	-.0233971

st_VA	-.0074037	.0017579	-4.21	0.000	-.0109296	-.0038778
st_VT	-.0391378	.0024458	-16.00	0.000	-.0440435	-.0342322
st_WA	.00061	.0017565	0.35	0.730	-.002913	.0041331
st_WI	-.021451	.0020107	-10.67	0.000	-.025484	-.0174181
st_WV	-.0235384	.0018226	-12.91	0.000	-.0271941	-.0198826
st_WY	-.0141183	.0022409	-6.30	0.000	-.0186129	-.0096237
pial	-5.63e-06	4.90e-06	-1.15	0.256	-.0000155	4.20e-06
pia_miss	-.0178412	.0047332	-3.77	0.000	-.0273347	-.0083477
ime1	3.32e-06	1.65e-06	2.01	0.050	1.98e-09	6.63e-06
ime_miss	.0016151	.0025799	0.63	0.534	-.0035595	.0067897
_cons	.0238548	.008187	2.91	0.005	.0074338	.0402758

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

ldwroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.001698	.001634	-1.04	0.303	-.0049754 .0015795

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .001698

ldwroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-3.58e-17	.001634	-0.00	1.000	-.0032774 .0032774

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 53) = 1.06
 Prob > F = 0.4040

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 53) = 1.08
 Prob > F = 0.3035

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 53) = 1.17
 Prob > F = 0.3354

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_nounemp.xls

dir : seeout

Linear regression

Number of obs = 77161
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.1140
 Root MSE = .17178

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll124	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	.0006895	.0014052	0.49	0.626	-.0021291	.003508
imm12_adj	.0002399	.0017094	0.14	0.889	-.0031886	.0036685
imm13_adj	.0023718	.0014186	1.67	0.100	-.0004734	.0052171
imm14_adj	-.0007458	.0020063	-0.37	0.712	-.0047699	.0032784
imm15_adj	.0000927	.0018218	0.05	0.960	-.0035613	.0037467
imm16_adj	.0009056	.0014192	0.64	0.526	-.001941	.0037522
imm17_adj	.0012303	.0015961	0.77	0.444	-.001971	.0044316
imm18_adj	.0000576	.001433	0.04	0.968	-.0028165	.0029318
imm19_adj	-.0021958	.0017542	-1.25	0.216	-.0057143	.0013226
male	.0069653	.0013876	5.02	0.000	.0041821	.0097485
gendermiss_flag	-.0502195	.0065495	-7.67	0.000	-.0633562	-.0370829
tsd_age	-.0013166	.0002097	-6.28	0.000	-.0017372	-.000896
doage2	-.0000611	.0001783	-0.34	0.733	-.0004186	.0002965
doage2miss_flag	-.0180424	.0064788	-2.78	0.007	-.0310373	-.0050475
race_a	-.0034635	.0064793	-0.53	0.595	-.0164594	.0095325
race_b	.0099772	.0018495	5.39	0.000	.0062675	.0136868
race_h	.0046635	.0027473	1.70	0.095	-.0008469	.0101739
race_i	.0163417	.008496	1.92	0.060	-.0006991	.0333824
race_o	.015283	.0105252	1.45	0.152	-.0058278	.0363939
race_mis	.0042506	.0036316	1.17	0.247	-.0030334	.0115346
tsd_edu_hs	.004186	.0017522	2.39	0.020	.0006715	.0077005
tsd_edu_mrhs	.0158281	.0020827	7.60	0.000	.0116507	.0200055
tsd_edu_mis	.0085609	.0019691	4.35	0.000	.0046114	.0125105
tsd_mie_exp	.0031479	.0039785	0.79	0.432	-.0048319	.0111277
tsd_mie_mis	-.0029329	.0019879	-1.48	0.146	-.0069203	.0010544
tsd_mie_psbl	.0000489	.0015716	0.03	0.975	-.0031033	.0032012
tsd_medicare	-.0082091	.0025676	-3.20	0.002	-.0133592	-.0030591
tsd_medicare_miss	-.0196148	.00396	-4.95	0.000	-.0275574	-.0116721
tsd_depend_1	-.0052666	.0019557	-2.69	0.009	-.0091893	-.001344
tsd_depend_2	-.0022518	.0012471	-1.81	0.077	-.0047533	.0002496
tsd_depend_miss	-.0058117	.0037453	-1.55	0.127	-.0133238	.0017003
tsd_vrpr	.0194119	.0028443	6.82	0.000	.013707	.0251168
tsd_vrpr_miss	.0056872	.0027548	2.06	0.044	.0001618	.0112126
pdcgrou2	-.0044862	.0022475	-2.00	0.051	-.008994	.0000217
pdcgrou3	.005182	.0018525	2.80	0.007	.0014664	.0088977
pdcgrou4	.0065211	.0020003	3.26	0.002	.0025091	.0105331
pdcgrou5	-.0119523	.0111161	-1.08	0.287	-.0342484	.0103438
cohort2000	-.0004173	.0024875	-0.17	0.867	-.0054066	.0045721
cohort2001	.0075758	.0043164	1.76	0.085	-.0010819	.0162334
cohort2002	.0047593	.0065519	0.73	0.471	-.0083822	.0179008
cohort2003	.0161966	.0097795	1.66	0.104	-.0034186	.0358118
cohort2004	.0074867	.0115246	0.65	0.519	-.0156287	.030602
award_b4_tsd	.0107612	.007198	1.50	0.141	-.0036763	.0251986
diaward_tsd	-.0003074	.0001807	-1.70	0.095	-.0006698	.000055
epeb4twp_flag	-.087344	.1546771	-0.56	0.575	-.397587	.2228991
ldwb4twp_flag	.4171631	.1066462	3.91	0.000	.2032579	.6310684
ldwb4epe_flag	.2367734	.0531698	4.45	0.000	.1301284	.3434184
twpb4tsd	.2181608	.010704	20.38	0.000	.1966913	.2396303
epeb4tsd	.0692828	.0062415	11.10	0.000	.0567639	.0818016
ldwb4tsd	-.1419734	.0091814	-15.46	0.000	-.160389	-.1235578

st_AL	.0256006	.0026606	9.62	0.000	.0202642	.030937
st_AR	-.0062023	.0024817	-2.50	0.016	-.01118	-.0012247
st_AZ	.0057017	.0026177	2.18	0.034	.0004512	.0109522
st_CA	-.0196554	.0025031	-7.85	0.000	-.024676	-.0146348
st_CO	-.0270161	.0027303	-9.89	0.000	-.0324924	-.0215398
st_CT	-.0020373	.0024625	-0.83	0.412	-.0069765	.0029019
st_DC	.0276953	.0025385	10.91	0.000	.0226037	.0327869
st_DE	.0336647	.0025457	13.22	0.000	.0285588	.0387707
st_FL	.007333	.0025589	2.87	0.006	.0022006	.0124655
st_GA	.0040102	.0024305	1.65	0.105	-.0008647	.0088851
st_HI	-.0156998	.0025666	-6.12	0.000	-.0208477	-.0105519
st_IA	-.0150086	.0029587	-5.07	0.000	-.020943	-.0090743
st_ID	.1101597	.0025859	42.60	0.000	.1049729	.1153464
st_IL	-.0133173	.0028419	-4.69	0.000	-.0190173	-.0076173
st_IN	-.002161	.0024691	-0.88	0.385	-.0071134	.0027914
st_KS	-.0039811	.002528	-1.57	0.121	-.0090515	.0010893
st_KY	-.0058774	.0025065	-2.34	0.023	-.0109049	-.0008499
st_LA	.0049715	.0024302	2.05	0.046	.0000971	.0098458
st_MA	.0093204	.0029139	3.20	0.002	.0034759	.015165
st_MD	.0467847	.0025652	18.24	0.000	.0416395	.0519298
st_ME	-.0168866	.0028687	-5.89	0.000	-.0226405	-.0111326
st_MI	.0042753	.0023992	1.78	0.080	-.0005369	.0090875
st_MN	-.0081148	.0024101	-3.37	0.001	-.0129489	-.0032806
st_MO	-.0019466	.0024789	-0.79	0.436	-.0069186	.0030253
st_MS	.0039911	.002375	1.68	0.099	-.0007725	.0087547
st_MT	-.0092432	.0024081	-3.84	0.000	-.0140731	-.0044132
st_NC	-.0324888	.0022692	-14.32	0.000	-.0370403	-.0279373
st_ND	-.0130127	.0024822	-5.24	0.000	-.0179914	-.008034
st_NE	-.0482326	.0030584	-15.77	0.000	-.0543669	-.0420982
st_NH	.0059957	.0025316	2.37	0.022	.0009179	.0110735
st_NJ	.0085581	.0024773	3.45	0.001	.0035892	.0135269
st_NM	.0071197	.0023071	3.09	0.003	.0024923	.0117471
st_NV	.0042952	.0023597	1.82	0.074	-.0004377	.0090281
st_NY	-.0014403	.0025933	-0.56	0.581	-.0066418	.0037612
st_OH	-.0077886	.0026332	-2.96	0.005	-.0130703	-.002507
st_OK	.0018489	.0024977	0.74	0.462	-.0031608	.0068587
st_OR	.0105352	.0024293	4.34	0.000	.0056626	.0154078
st_PA	-.0207866	.0029059	-7.15	0.000	-.026615	-.0149581
st_PR	-.0021134	.0028267	-0.75	0.458	-.007783	.0035562
st_RI	-.1311828	.0057093	-22.98	0.000	-.1426341	-.1197315
st_SC	-.0123421	.0027391	-4.51	0.000	-.0178359	-.0068482
st_SD	-.0067206	.0023457	-2.87	0.006	-.0114254	-.0020157
st_TN	-.0008067	.0024894	-0.32	0.747	-.0057997	.0041864
st_TX	-.0183976	.0024583	-7.48	0.000	-.0233282	-.0134669
st_UT	-.0300911	.0029191	-10.31	0.000	-.035946	-.0242363
st_VA	.0042837	.0024394	1.76	0.085	-.0006092	.0091765
st_VT	-.0140848	.0031629	-4.45	0.000	-.0204288	-.0077409
st_WA	-.0092509	.0022919	-4.04	0.000	-.0138479	-.0046538
st_WI	-.0202283	.0027802	-7.28	0.000	-.0258046	-.014652
st_WV	.0266468	.0025577	10.42	0.000	.0215167	.031777
st_WY	-.0182139	.0034936	-5.21	0.000	-.0252212	-.0112066
pial	-.0000122	8.82e-06	-1.38	0.173	-.0000299	5.51e-06
pia_miss	-.025035	.0064856	-3.86	0.000	-.0380433	-.0120266
ime1	6.68e-06	2.45e-06	2.72	0.009	1.76e-06	.0000116
ime_miss	-.0029094	.0030146	-0.97	0.339	-.0089558	.003137
_cons	.0559226	.0103505	5.40	0.000	.0351621	.0766832

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

ldwroll24 | Coef. Std. Err. t P>|t| [95% Conf. Interval]

```
-----+-----
(1) | -.0026459 .0015986 -1.66 0.104 -.0058522 .0005604
-----+-----
```

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0026459

```
-----+-----
ldwroll24 | Coef. Std. Err. t P>|t| [95% Conf. Interval]
-----+-----
(1) | -1.47e-17 .0015986 -0.00 1.000 -.0032063 .0032063
-----+-----
```

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 53) = 1.39
 Prob > F = 0.2169

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 53) = 2.74
 Prob > F = 0.1038

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 53) = 1.50
 Prob > F = 0.1864

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_nounemp.xls
 dir : seeout

```
Linear regression                                Number of obs = 77161
                                                F( 52, 53) = .
                                                Prob > F = .
                                                R-squared = 0.1084
                                                Root MSE = .20443
```

(Std. Err. adjusted for 54 clusters in tsd_state)

```
-----+-----
ldwroll136 | Robust
            | Coef. Std. Err. t P>|t| [95% Conf. Interval]
-----+-----
imm10_adj | .0004727 .0016416 0.29 0.775 -.0028199 .0037652
imm12_adj | -.0017752 .0020967 -0.85 0.401 -.0059806 .0024303
imm13_adj | .0025173 .0017517 1.44 0.157 -.000996 .0060307
imm14_adj | -.0001178 .0018872 -0.06 0.950 -.003903 .0036675
imm15_adj | .0014873 .0023113 0.64 0.523 -.0031486 .0061233
-----+-----
```

imm16_adj	.0014615	.0019831	0.74	0.464	-.0025161	.0054392
imm17_adj	-.0003986	.0020039	-0.20	0.843	-.0044179	.0036208
imm18_adj	.0016079	.0015225	1.06	0.296	-.0014459	.0046618
imm19_adj	-.0020951	.0025324	-0.83	0.412	-.0071744	.0029842
male	.0089969	.0014825	6.07	0.000	.0060233	.0119705
gendermiss_flag	-.0909275	.0095922	-9.48	0.000	-.110167	-.0716879
tsd_age	-.0018697	.0002327	-8.03	0.000	-.0023365	-.0014029
doage2	-.0002033	.0001888	-1.08	0.287	-.000582	.0001755
doage2miss_flag	-.0395622	.0086017	-4.60	0.000	-.056815	-.0223095
race_a	-.0048727	.0098843	-0.49	0.624	-.0246981	.0149528
race_b	.0154063	.0021077	7.31	0.000	.0111787	.0196338
race_h	.008057	.003278	2.46	0.017	.0014821	.0146319
race_i	.0181526	.0112672	1.61	0.113	-.0044466	.0407518
race_o	.0074876	.0107613	0.70	0.490	-.0140968	.029072
race_mis	.0020717	.0040762	0.51	0.613	-.0061042	.0102475
tsd_edu_hs	.004341	.0020316	2.14	0.037	.0002661	.0084158
tsd_edu_mrhs	.0229998	.0024288	9.47	0.000	.0181281	.0278714
tsd_edu_mis	.0127875	.0019064	6.71	0.000	.0089638	.0166112
tsd_mie_exp	.0025475	.004422	0.58	0.567	-.006322	.011417
tsd_mie_mis	-.0049816	.0019805	-2.52	0.015	-.0089541	-.0010091
tsd_mie_psbl	-.0011227	.0016868	-0.67	0.509	-.004506	.0022606
tsd_medicare	-.0094023	.0030398	-3.09	0.003	-.0154994	-.0033052
tsd_medicare_miss	-.0301944	.005109	-5.91	0.000	-.0404417	-.019947
tsd_depend_1	-.008721	.0020576	-4.24	0.000	-.012848	-.004594
tsd_depend_2	-.0027678	.0015993	-1.73	0.089	-.0059755	.0004399
tsd_depend_miss	-.0160105	.005115	-3.13	0.003	-.0262698	-.0057511
tsd_vrpr	.0112176	.0047625	2.36	0.022	.0016653	.02077
tsd_vrpr_miss	-.0092345	.0033405	-2.76	0.008	-.0159346	-.0025344
pdcgrou2	-.0081698	.0028614	-2.86	0.006	-.013909	-.0024307
pdcgrou3	.0043849	.0021499	2.04	0.046	.0000727	.008697
pdcgrou4	.005245	.0024984	2.10	0.041	.0002338	.0102562
pdcgrou5	-.0011561	.0210693	-0.05	0.956	-.00434157	.0411035
cohort2000	-.0003558	.002021	-0.18	0.861	-.0044094	.0036978
cohort2001	.0081839	.0044426	1.84	0.071	-.0007268	.0170947
cohort2002	.0043769	.0064762	0.68	0.502	-.0086127	.0173665
cohort2003	.034597	.0121003	2.86	0.006	.0103268	.0588672
cohort2004	.0286197	.0147919	1.93	0.058	-.0010491	.0582884
award_b4_tsd	.0139803	.0090646	1.54	0.129	-.004201	.0321616
diaward_tsd	-.0005038	.0002021	-2.49	0.016	-.0009091	-.0000985
epeb4twp_flag	.1251971	.1800584	0.70	0.490	-.2359542	.4863485
ldwb4twp_flag	.4266953	.1056559	4.04	0.000	.2147764	.6386142
ldwb4epe_flag	.3654676	.049816	7.34	0.000	.2655493	.4653859
twpb4tsd	.2456529	.0107668	22.82	0.000	.2240574	.2672483
epeb4tsd	.0542505	.0064952	8.35	0.000	.0412227	.0672782
ldwb4tsd	-.1637072	.0091468	-17.90	0.000	-.1820533	-.1453611
st_AL	.0370094	.0046064	8.03	0.000	.02777	.0462487
st_AR	-.0153382	.0045465	-3.37	0.001	-.0244573	-.0062191
st_AZ	.0020068	.0046468	0.43	0.668	-.0073134	.011327
st_CA	-.017743	.004517	-3.93	0.000	-.026803	-.008683
st_CO	-.0295949	.0047943	-6.17	0.000	-.0392111	-.0199787
st_CT	-.0093461	.0045013	-2.08	0.043	-.0183746	-.0003176
st_DC	.0110536	.0045558	2.43	0.019	.0019157	.0201915
st_DE	.010794	.0045721	2.36	0.022	.0016235	.0199645
st_FL	.002992	.0046124	0.65	0.519	-.0062594	.0122434
st_GA	-.0009841	.0044584	-0.22	0.826	-.0099265	.0079582
st_HI	-.0350867	.0048287	-7.27	0.000	-.0447719	-.0254015
st_IA	-.0386364	.0050062	-7.72	0.000	-.0486776	-.0285953
st_ID	.0922247	.0047394	19.46	0.000	.0827186	.1017308
st_IL	-.0219286	.0047769	-4.59	0.000	-.0315099	-.0123474
st_IN	-.010653	.0045059	-2.36	0.022	-.0196907	-.0016152
st_KS	-.0059162	.0045727	-1.29	0.201	-.0150879	.0032555
st_KY	-.017451	.0045394	-3.84	0.000	-.0265559	-.0083461
st_LA	-.0028506	.0044995	-0.63	0.529	-.0118754	.0061742

st_MA	.0204331	.0049562	4.12	0.000	.0104922	.0303741
st_MD	.0562815	.0046415	12.13	0.000	.0469718	.0655912
st_ME	-.0381781	.0048378	-7.89	0.000	-.0478816	-.0284746
st_MI	-.0050966	.0044379	-1.15	0.256	-.0139979	.0038047
st_MN	-.0332325	.0045499	-7.30	0.000	-.0423585	-.0241065
st_MO	-.014034	.004525	-3.10	0.003	-.0231101	-.004958
st_MS	-.0049672	.0044038	-1.13	0.264	-.0138	.0038657
st_MT	-.0082933	.0044719	-1.85	0.069	-.0172628	.0006761
st_NC	-.0188849	.0044148	-4.28	0.000	-.0277398	-.01003
st_ND	-.0234728	.0045203	-5.19	0.000	-.0325394	-.0144062
st_NE	-.0771825	.0048516	-15.91	0.000	-.0869136	-.0674514
st_NH	.003636	.0045311	0.80	0.426	-.0054522	.0127242
st_NJ	.0017847	.0045478	0.39	0.696	-.007337	.0109064
st_NM	-.0025333	.0044898	-0.56	0.575	-.0115387	.0064722
st_NV	-.0026682	.0044281	-0.60	0.549	-.0115499	.0062135
st_NY	-.0082741	.0046465	-1.78	0.081	-.0175938	.0010456
st_OH	.0048677	.004781	1.02	0.313	-.0047217	.0144572
st_OK	.0531494	.0045225	11.75	0.000	.0440785	.0622204
st_OR	.0083205	.0045226	1.84	0.071	-.0007506	.0173916
st_PA	-.0415751	.0048148	-8.63	0.000	-.0512323	-.0319179
st_PR	-.021533	.0052073	-4.14	0.000	-.0319776	-.0110885
st_RI	-.1684257	.0086476	-19.48	0.000	-.1857706	-.1510807
st_SC	-.0299578	.0047163	-6.35	0.000	-.0394176	-.020498
st_SD	-.0212498	.0044288	-4.80	0.000	-.0301329	-.0123667
st_TN	-.0108546	.0045587	-2.38	0.021	-.0199982	-.001711
st_TX	-.0088563	.0045849	-1.93	0.059	-.0180524	.0003398
st_UT	-.0473985	.0049555	-9.56	0.000	-.0573379	-.037459
st_VA	-.0028203	.0045055	-0.63	0.534	-.0118572	.0062165
st_VT	-.0376292	.0051884	-7.25	0.000	-.0480359	-.0272224
st_WA	-.0070298	.0043213	-1.63	0.110	-.0156973	.0016377
st_WI	-.0301571	.0047432	-6.36	0.000	-.0396708	-.0206434
st_WV	.0586832	.0048654	12.06	0.000	.0489245	.0684419
st_WY	.2900268	.0054257	53.45	0.000	.2791442	.3009093
pial	-8.61e-06	.0000112	-0.77	0.444	-.000031	.0000138
pia_miss	-.0236049	.0090098	-2.62	0.011	-.0416764	-.0055335
ime1	6.61e-06	3.06e-06	2.16	0.035	4.66e-07	.0000128
ime_miss	-.0109402	.0032278	-3.39	0.001	-.0174144	-.004466
_cons	.116466	.0157941	7.37	0.000	.084787	.148145

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

ldwroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0031602	.0015984	-1.98	0.053	-.0063661 .0000457

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0031602

ldwroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	1.82e-17	.0015984	0.00	1.000	-.0032059 .0032059

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0

(6) imm16_adj = 0
 (7) imm17_adj = 0
 (8) imm18_adj = 0
 (9) imm19_adj = 0

F(9, 53) = 1.33
 Prob > F = 0.2439

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj +
 imm17_adj + imm18_adj + imm19_adj = 0

F(1, 53) = 3.91
 Prob > F = 0.0532

(1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
 (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
 (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
 (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
 (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
 (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
 (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 53) = 0.58
 Prob > F = 0.7725

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.1048
 Root MSE = .22858

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	.0012545	.002251	0.56	0.580	-.0032605	.0057695
imm12_adj	-.0002698	.0024894	-0.11	0.914	-.0052629	.0047233
imm13_adj	.0025949	.0018362	1.41	0.163	-.001088	.0062779
imm14_adj	-3.92e-06	.00263	-0.00	0.999	-.0052791	.0052712
imm15_adj	.0033888	.0023976	1.41	0.163	-.0014201	.0081977
imm16_adj	.0002943	.0025574	0.12	0.909	-.0048352	.0054238
imm17_adj	-.0023216	.0025057	-0.93	0.358	-.0073474	.0027041
imm18_adj	.0017476	.0016883	1.04	0.305	-.0016386	.0051339
imm19_adj	-.0024583	.0032186	-0.76	0.448	-.0089139	.0039973
male	.0107805	.0019678	5.48	0.000	.0068336	.0147274
gendermiss_flag	-.1285883	.0105778	-12.16	0.000	-.1498047	-.1073719
tsd_age	-.0025316	.0002924	-8.66	0.000	-.003118	-.0019452
doage2	-.0001405	.0001896	-0.74	0.462	-.0005209	.0002398
doage2miss_flag	-.0687648	.0109079	-6.30	0.000	-.0906432	-.0468864
race_a	-.0017054	.0098668	-0.17	0.863	-.0214958	.0180849
race_b	.0215516	.0025203	8.55	0.000	.0164964	.0266067
race_h	.0109816	.0042754	2.57	0.013	.0024062	.0195569
race_i	.0189708	.0124677	1.52	0.134	-.0060363	.0439779
race_o	.0019578	.0127418	0.15	0.878	-.023599	.0275145
race_mis	.0036336	.005496	0.66	0.511	-.0073899	.0146571
tsd_edu_hs	.0050866	.0024991	2.04	0.047	.000074	.0100992
tsd_edu_mrhs	.0291238	.0026073	11.17	0.000	.0238943	.0343533
tsd_edu_mis	.0141359	.0020915	6.76	0.000	.0099408	.0183309

tsd_mie_exp	.0028609	.0053212	0.54	0.593	-.007812	.0135338
tsd_mie_mis	-.0064365	.0023367	-2.75	0.008	-.0111233	-.0017498
tsd_mie_psbl	-.0028798	.0019485	-1.48	0.145	-.0067881	.0010284
tsd_medicare	-.0105558	.002909	-3.63	0.001	-.0163905	-.0047211
tsd_medicare_miss	-.0397835	.0058817	-6.76	0.000	-.0515807	-.0279864
tsd_depend_1	-.0084049	.0021948	-3.83	0.000	-.012807	-.0040027
tsd_depend_2	-.0008597	.0014404	-0.60	0.553	-.0037487	.0020293
tsd_depend_miss	-.0281976	.00655	-4.30	0.000	-.0413352	-.01506
tsd_vrpr	-.0052401	.0044519	-1.18	0.244	-.0141696	.0036893
tsd_vrpr_miss	-.0326874	.0037271	-8.77	0.000	-.0401631	-.0252117
pdgroup2	-.012927	.003469	-3.73	0.000	-.019885	-.005969
pdgroup3	.0034612	.0026467	1.31	0.197	-.0018475	.0087699
pdgroup4	.0042486	.003023	1.41	0.166	-.0018148	.0103121
pdgroup5	-.0130723	.0208263	-0.63	0.533	-.0548447	.0287
cohort2000	-.0031875	.0021325	-1.49	0.141	-.0074648	.0010899
cohort2001	.0020734	.0048344	0.43	0.670	-.0076232	.01177
cohort2002	-.004252	.0071023	-0.60	0.552	-.0184975	.0099935
cohort2003	.0370013	.0147242	2.51	0.015	.0074684	.0665342
cohort2004	.036091	.0179808	2.01	0.050	.000026	.0721559
award_b4_tsd	.0131256	.0112173	1.17	0.247	-.0093735	.0356248
diaward_tsd	-.0007752	.000239	-3.24	0.002	-.0012545	-.0002959
epeb4twp_flag	.089959	.177332	0.51	0.614	-.265724	.4456421
ldwb4twp_flag	.4912505	.1045389	4.70	0.000	.281572	.7009289
ldwb4epe_flag	.4979353	.0481423	10.34	0.000	.4013741	.5944965
twpb4tsd	.2570544	.0106861	24.05	0.000	.2356207	.2784881
epeb4tsd	.0423767	.005985	7.08	0.000	.0303724	.054381
ldwb4tsd	-.1806029	.0087363	-20.67	0.000	-.1981258	-.16308
st_AL	.0268217	.0068518	3.91	0.000	.0130788	.0405646
st_AR	-.0278112	.0067389	-4.13	0.000	-.0413278	-.0142946
st_AZ	-.0049029	.0068137	-0.72	0.475	-.0185695	.0087638
st_CA	-.0270385	.006685	-4.04	0.000	-.040447	-.01363
st_CO	-.0448484	.0069295	-6.47	0.000	-.0587472	-.0309496
st_CT	-.0245664	.0067115	-3.66	0.001	-.038028	-.0111049
st_DC	.0058128	.0068379	0.85	0.399	-.0079022	.0195278
st_DE	.0019571	.0066936	0.29	0.771	-.0114687	.0153828
st_FL	.0042541	.0067634	0.63	0.532	-.0093116	.0178197
st_GA	-.0132676	.0066373	-2.00	0.051	-.0265804	.0000452
st_HI	-.0590622	.0068706	-8.60	0.000	-.0728428	-.0452816
st_IA	-.0270948	.0070878	-3.82	0.000	-.041311	-.0128785
st_ID	.1810793	.0067841	26.69	0.000	.1674721	.1946864
st_IL	-.0457906	.0069074	-6.63	0.000	-.0596451	-.0319362
st_IN	-.0261521	.0067028	-3.90	0.000	-.0395963	-.0127079
st_KS	-.0151365	.0067373	-2.25	0.029	-.0286497	-.0016233
st_KY	-.0316702	.006719	-4.71	0.000	-.0451468	-.0181936
st_LA	-.0136901	.0066941	-2.05	0.046	-.0271167	-.0002635
st_MA	.0097333	.0069854	1.39	0.169	-.0042777	.0237442
st_MD	.0626788	.0068806	9.11	0.000	.0488781	.0764796
st_ME	-.0614153	.0068714	-8.94	0.000	-.0751976	-.0476331
st_MI	-.0177291	.0066273	-2.68	0.010	-.0310217	-.0044365
st_MN	-.0265257	.0068275	-3.89	0.000	-.0402199	-.0128315
st_MO	-.0268494	.006729	-3.99	0.000	-.0403461	-.0133526
st_MS	-.0180779	.0066275	-2.73	0.009	-.031371	-.0047848
st_MT	-.03093	.0066208	-4.67	0.000	-.0442096	-.0176504
st_NC	.0070361	.0066778	1.05	0.297	-.0063578	.0204301
st_ND	-.03115	.0066808	-4.66	0.000	-.0445499	-.0177501
st_NE	-.110287	.0070658	-15.61	0.000	-.1244591	-.0961148
st_NH	.0014167	.0066958	0.21	0.833	-.0120135	.0148468
st_NJ	-.0110413	.0067491	-1.64	0.108	-.0245783	.0024956
st_NM	-.0121891	.006829	-1.78	0.080	-.0258864	.0015082
st_NV	-.0128588	.0066384	-1.94	0.058	-.0261738	.0004562
st_NY	-.0122158	.0067796	-1.80	0.077	-.0258139	.0013823
st_OH	-.0106972	.0067958	-1.57	0.121	-.0243279	.0029334
st_OK	.0300796	.006701	4.49	0.000	.0166391	.0435201

st_OR	-.0068245	.0065544	-1.04	0.303	-.0199711	.006322
st_PA	-.0550126	.0069786	-7.88	0.000	-.0690099	-.0410153
st_PR	-.0414127	.0073769	-5.61	0.000	-.0562088	-.0266165
st_RI	-.1984651	.0101572	-19.54	0.000	-.2188379	-.1780923
st_SC	-.0522993	.0069238	-7.55	0.000	-.0661867	-.0384118
st_SD	-.0383387	.0065663	-5.84	0.000	-.051509	-.0251684
st_TN	-.0266855	.0067366	-3.96	0.000	-.0401974	-.0131737
st_TX	-.0100614	.0068186	-1.48	0.146	-.0237377	.0036149
st_UT	-.0677838	.0071478	-9.48	0.000	-.0821205	-.0534471
st_VA	-.0163305	.0066955	-2.44	0.018	-.0297599	-.0029011
st_VT	-.0640115	.0072927	-8.78	0.000	-.0786389	-.0493841
st_WA	-.0072458	.0065141	-1.11	0.271	-.0203115	.0058199
st_WI	-.0430368	.006856	-6.28	0.000	-.0567882	-.0292854
st_WV	.0322247	.0068259	4.72	0.000	.0185337	.0459156
st_WY	.2567349	.0077558	33.10	0.000	.2411787	.272291
pial	-6.09e-06	.0000119	-0.51	0.610	-.0000299	.0000177
pia_miss	-.0138275	.0075885	-1.82	0.074	-.029048	.001393
ime1	4.70e-06	3.15e-06	1.49	0.141	-1.61e-06	.000011
ime_miss	-.0210232	.0034698	-6.06	0.000	-.0279827	-.0140637
_cons	.1953112	.0160106	12.20	0.000	.163198	.2274243

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

ldwroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0042267	.0017852	-2.37	0.022	-.0078073 - .000646

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0042267

ldwroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	2.95e-17	.0017852	0.00	1.000	-.0035807 .0035807

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 53) = 1.78
 Prob > F = 0.0951

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 53) = 5.61
 Prob > F = 0.0216

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0

- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 53) = 0.73
 Prob > F = 0.6480

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression Number of obs = 77161
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.1172
 Root MSE = .14037

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	-.0003381	.0019438	-0.17	0.863	-.0042369	.0035608
imm12_adj	.0010378	.0010338	1.00	0.320	-.0010359	.0031114
imm13_adj	-.0006835	.0012989	-0.53	0.601	-.0032888	.0019218
imm14_adj	-.0029911	.0018713	-1.60	0.116	-.0067445	.0007622
imm15_adj	.0031361	.0014154	2.22	0.031	.0002971	.0059751
imm16_adj	.0001094	.0011421	0.10	0.924	-.0021812	.0024001
imm17_adj	-.0005186	.0012865	-0.40	0.688	-.0030989	.0020617
imm18_adj	-.0012449	.0013704	-0.91	0.368	-.0039935	.0015038
imm19_adj	.0006838	.0015875	0.43	0.668	-.0025002	.0038679
male	.0025557	.0012453	2.05	0.045	.0000578	.0050535
gendermiss_flag	-.0225526	.0055871	-4.04	0.000	-.033759	-.0113462
tsd_age	-.0006317	.0001262	-5.00	0.000	-.0008849	-.0003785
doage2	-.0000957	.000109	-0.88	0.384	-.0003142	.0001229
doage2miss_flag	-.0127253	.0027977	-4.55	0.000	-.0183368	-.0071138
race_a	-.0001166	.0054072	-0.02	0.983	-.0109621	.0107288
race_b	.0041092	.0014385	2.86	0.006	.0012239	.0069945
race_h	-.004421	.0036512	-1.21	0.231	-.0117443	.0029024
race_i	-.0016295	.0048605	-0.34	0.739	-.0113784	.0081194
race_o	-.0095888	.0057742	-1.66	0.103	-.0211703	.0019928
race_mis	.0008878	.0039645	0.22	0.824	-.0070639	.0088395
tsd_edu_hs	.0022534	.0017778	1.27	0.211	-.0013125	.0058193
tsd_edu_mrhs	.005973	.0019136	3.12	0.003	.0021347	.0098112
tsd_edu_mis	.0083668	.0020255	4.13	0.000	.0043041	.0124294
tsd_mie_exp	-.0068894	.0029314	-2.35	0.023	-.012769	-.0010098
tsd_mie_mis	-.0085029	.0014234	-5.97	0.000	-.0113578	-.0056479
tsd_mie_psbl	-.0074141	.0014102	-5.26	0.000	-.0102427	-.0045856
tsd_medicare	-.006021	.0014297	-4.21	0.000	-.0088886	-.0031534
tsd_medicare_miss	-.0120299	.0045605	-2.64	0.011	-.0211771	-.0028826
tsd_depend_1	-.0040994	.0014564	-2.81	0.007	-.0070204	-.0011783
tsd_depend_2	-.0018918	.0013803	-1.37	0.176	-.0046604	.0008768
tsd_depend_miss	-.0115515	.0036708	-3.15	0.003	-.0189143	-.0041888
tsd_vrpr	.0176105	.0025481	6.91	0.000	.0124997	.0227213
tsd_vrpr_miss	.0053947	.0033474	1.61	0.113	-.0013193	.0121087
pdcgrou2	.0025338	.0013235	1.91	0.061	-.0001208	.0051884
pdcgrou3	.0025214	.0017444	1.45	0.154	-.0009775	.0060202
pdcgrou4	.0030132	.0013307	2.26	0.028	.0003442	.0056822
pdcgrou5	-.0026508	.0086357	-0.31	0.760	-.0199719	.0146703
cohort2000	-.001641	.0013202	-1.24	0.219	-.004289	.001007
cohort2001	.0001927	.0024631	0.08	0.938	-.0047476	.005133
cohort2002	.0041994	.0037793	1.11	0.272	-.0033809	.0117798
cohort2003	.0165226	.0068066	2.43	0.019	.0028702	.030175

cohort2004	-.0097409	.0050205	-1.94	0.058	-.0198107	.0003288
award_b4_tsd	.0004067	.0036325	0.11	0.911	-.0068792	.0076926
diaward_tsd	-.0003128	.0000918	-3.41	0.001	-.000497	-.0001286
epeb4twp_flag	-.0173177	.0287812	-0.60	0.550	-.0750456	.0404102
ldwb4twp_flag	.034577	.0149759	2.31	0.025	.0045391	.0646148
ldwb4epe_flag	.0964303	.0317918	3.03	0.004	.0326641	.1601966
twpb4tsd	.2086392	.008153	25.59	0.000	.1922863	.2249921
epeb4tsd	-.074475	.0084254	-8.84	0.000	-.0913741	-.0575758
ldwb4tsd	-.049073	.0045387	-10.81	0.000	-.0581765	-.0399694
st_AL	-.0161389	.0017768	-9.08	0.000	-.0197026	-.0125752
st_AR	-.0086257	.0017609	-4.90	0.000	-.0121576	-.0050938
st_AZ	-.0060636	.0019467	-3.11	0.003	-.0099682	-.0021589
st_CA	-.0269759	.0018018	-14.97	0.000	-.0305897	-.023362
st_CO	-.014926	.0018593	-8.03	0.000	-.0186553	-.0111967
st_CT	.0028015	.0017066	1.64	0.107	-.0006215	.0062244
st_DC	.0102944	.0019118	5.38	0.000	.0064598	.014129
st_DE	-.0241008	.001795	-13.43	0.000	-.0277012	-.0205005
st_FL	-.0020149	.0018023	-1.12	0.269	-.0056299	.0016001
st_GA	-.0040906	.0016368	-2.50	0.016	-.0073736	-.0008075
st_HI	-.0104436	.001828	-5.71	0.000	-.0141101	-.0067772
st_IA	-.0158665	.002058	-7.71	0.000	-.0199945	-.0117386
st_ID	-.0120866	.0020984	-5.76	0.000	-.0162955	-.0078777
st_IL	-.0131567	.0018632	-7.06	0.000	-.0168937	-.0094196
st_IN	-.0028093	.0017539	-1.60	0.115	-.0063272	.0007086
st_KS	.0023324	.0017011	1.37	0.176	-.0010795	.0057444
st_KY	-.0113802	.0017563	-6.48	0.000	-.0149029	-.0078576
st_LA	-.0008173	.0016622	-0.49	0.625	-.0041513	.0025167
st_MA	.0119578	.0021665	5.52	0.000	.0076122	.0163033
st_MD	.0263598	.0018392	14.33	0.000	.0226708	.0300488
st_ME	-.0145829	.0017623	-8.27	0.000	-.0181177	-.011048
st_MI	.0030826	.0016398	1.88	0.066	-.0002064	.0063715
st_MN	.0057793	.0017927	3.22	0.002	.0021836	.009375
st_MO	-.0025419	.0016966	-1.50	0.140	-.0059448	.000861
st_MS	-.0013866	.0017845	-0.78	0.441	-.0049658	.0021926
st_MT	.0029019	.0017296	1.68	0.099	-.0005673	.0063711
st_NC	-.0375358	.0017299	-21.70	0.000	-.0410056	-.0340659
st_ND	.0075381	.0017707	4.26	0.000	.0039865	.0110898
st_NE	-.0396037	.0023537	-16.83	0.000	-.0443246	-.0348829
st_NH	.0102799	.0018758	5.48	0.000	.0065174	.0140423
st_NJ	.0036386	.0016721	2.18	0.034	.0002847	.0069925
st_NM	.0039549	.0018962	2.09	0.042	.0001516	.0077583
st_NV	-.0012077	.0017288	-0.70	0.488	-.0046751	.0022598
st_NY	-.001811	.0017964	-1.01	0.318	-.0054142	.0017922
st_OH	-.0146969	.001826	-8.05	0.000	-.0183594	-.0110345
st_OK	-.0179083	.0017726	-10.10	0.000	-.0214637	-.0143529
st_OR	-.0128168	.0017621	-7.27	0.000	-.0163512	-.0092824
st_PA	-.0090593	.0016973	-5.34	0.000	-.0124636	-.005655
st_PR	-.0018282	.0026809	-0.68	0.498	-.0072054	.003549
st_RI	-.0890726	.0044071	-20.21	0.000	-.097912	-.0802332
st_SC	.0080473	.0019442	4.14	0.000	.0041477	.0119469
st_SD	-.002675	.0016842	-1.59	0.118	-.006053	.0007031
st_TN	-.0017086	.0017407	-0.98	0.331	-.0052	.0017828
st_TX	-.0245595	.0017635	-13.93	0.000	-.0280965	-.0210224
st_UT	.0902427	.0020327	44.40	0.000	.0861657	.0943198
st_VA	-.0001297	.0017026	-0.08	0.940	-.0035446	.0032852
st_VT	-.0375259	.00235	-15.97	0.000	-.0422395	-.0328123
st_WA	.0843532	.0018223	46.29	0.000	.0806982	.0880083
st_WI	-.0121792	.0020605	-5.91	0.000	-.016312	-.0080465
st_WV	.0314377	.0017884	17.58	0.000	.0278507	.0350247
st_WY	-.0132897	.0023863	-5.57	0.000	-.0180759	-.0085034
pial	-6.95e-06	4.26e-06	-1.63	0.109	-.0000155	1.61e-06
pia_miss	-.0156	.0048726	-3.20	0.002	-.0253732	-.0058268
ime1	2.77e-06	1.60e-06	1.73	0.089	-4.36e-07	5.98e-06

ime_miss	.0000179	.00178	0.01	0.992	-.0035523	.0035881
_cons	.0439143	.0056133	7.82	0.000	.0326555	.0551731

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

eperoll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.000809	.0016151	0.50	0.619	-.0024305 .0040485

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = -.000809

eperoll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-4.45e-17	.0016151	-0.00	1.000	-.0032395 .0032395

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 53) = 1.63
 Prob > F = 0.1306

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 53) = 0.25
 Prob > F = 0.6185

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 53) = 1.38
 Prob > F = 0.2344

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.1191
 Root MSE = .19416

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	.0006901	.0022993	0.30	0.765	-.0039218	.0053019
imm12_adj	.0011344	.0015341	0.74	0.463	-.0019426	.0042115
imm13_adj	-.0010799	.0020735	-0.52	0.605	-.0052388	.0030789
imm14_adj	-.0033384	.0022044	-1.51	0.136	-.0077598	.001083
imm15_adj	.0043786	.0012336	3.55	0.001	.0019043	.006853
imm16_adj	-.0023437	.0014046	-1.67	0.101	-.0051608	.0004735
imm17_adj	.0011974	.0018714	0.64	0.525	-.0025562	.004951
imm18_adj	-.0022548	.0012361	-1.82	0.074	-.004734	.0002245
imm19_adj	.0007084	.001508	0.47	0.640	-.0023162	.0037331
male	.0035465	.0014778	2.40	0.020	.0005824	.0065106
gendermiss_flag	-.0850352	.0093345	-9.11	0.000	-.1037579	-.0663125
tsd_age	-.0014394	.0001786	-8.06	0.000	-.0017976	-.0010813
doage2	-.0000624	.0001592	-0.39	0.697	-.0003817	.000257
doage2miss_flag	-.0369056	.0050133	-7.36	0.000	-.046961	-.0268501
race_a	.0060057	.0086426	0.69	0.490	-.0113292	.0233406
race_b	.0098756	.0017139	5.76	0.000	.0064379	.0133133
race_h	-.0069409	.0036653	-1.89	0.064	-.0142926	.0004108
race_i	-.0021483	.0055302	-0.39	0.699	-.0132405	.008944
race_o	-.0034667	.0140399	-0.25	0.806	-.0316272	.0246937
race_mis	.0020339	.0041486	0.49	0.626	-.0062872	.0103551
tsd_edu_hs	.003443	.0016965	2.03	0.047	.0000403	.0068457
tsd_edu_mrhs	.0168562	.0029075	5.80	0.000	.0110245	.0226879
tsd_edu_mis	.013352	.0019755	6.76	0.000	.0093896	.0173144
tsd_mie_exp	-.0107448	.0038037	-2.82	0.007	-.018374	-.0031156
tsd_mie_mis	-.0128128	.0021347	-6.00	0.000	-.0170945	-.0085311
tsd_mie_psbl	-.009801	.0019626	-4.99	0.000	-.0137376	-.0058645
tsd_medicare	-.0109809	.0021047	-5.22	0.000	-.0152023	-.0067595
tsd_medicare_miss	-.0309266	.0054075	-5.72	0.000	-.0417727	-.0200805
tsd_depend_1	-.0076415	.0024744	-3.09	0.003	-.0126045	-.0026785
tsd_depend_2	-.0035135	.0015696	-2.24	0.029	-.0066617	-.0003653
tsd_depend_miss	-.0207094	.0070199	-2.95	0.005	-.0347895	-.0066292
tsd_vrpr	.0133349	.0041874	3.18	0.002	.0049361	.0217338
tsd_vrpr_miss	-.0159661	.0038464	-4.15	0.000	-.0236809	-.0082512
pdgroup2	.0006917	.0021609	0.32	0.750	-.0036426	.005026
pdgroup3	.0012384	.0029578	0.42	0.677	-.0046943	.0071711
pdgroup4	.001356	.0021811	0.62	0.537	-.0030188	.0057308
pdgroup5	-.0205451	.0079482	-2.58	0.013	-.0364871	-.004603
cohort2000	-.0051707	.0023681	-2.18	0.033	-.0099205	-.000421
cohort2001	-.0051126	.0036221	-1.41	0.164	-.0123777	.0021525
cohort2002	-.0009941	.0053926	-0.18	0.854	-.0118103	.0098221
cohort2003	.0361474	.0108986	3.32	0.002	.0142876	.0580072
cohort2004	-.0059866	.0088819	-0.67	0.503	-.0238015	.0118283
award_b4_tsd	.0077487	.0085059	0.91	0.366	-.009312	.0248093
diaward_tsd	-.0006565	.0001517	-4.33	0.000	-.0009609	-.0003522
epeb4twp_flag	-.0135357	.0387943	-0.35	0.729	-.0913473	.0642758
ldwb4twp_flag	.0360149	.022003	1.64	0.108	-.0081176	.0801473
ldwb4epe_flag	.2257637	.04491	5.03	0.000	.1356857	.3158417
twpb4tsd	.2736491	.0068979	39.67	0.000	.2598136	.2874846
epeb4tsd	-.1216504	.0078088	-15.58	0.000	-.137313	-.1059879
ldwb4tsd	-.0724834	.0054383	-13.33	0.000	-.0833914	-.0615755
st_AL	.0348114	.0031999	10.88	0.000	.0283932	.0412296
st_AR	-.0097602	.0031442	-3.10	0.003	-.0160666	-.0034539
st_AZ	-.0038412	.0035387	-1.09	0.283	-.010939	.0032565
st_CA	.0128171	.0030859	4.15	0.000	.0066275	.0190067
st_CO	-.0355538	.0033941	-10.48	0.000	-.0423614	-.0287461
st_CT	.0157356	.0030813	5.11	0.000	.0095553	.021916
st_DC	.0295415	.0031822	9.28	0.000	.0231588	.0359241
st_DE	.0074343	.0033228	2.24	0.029	.0007697	.0140989
st_FL	.006478	.0032677	1.98	0.053	-.0000762	.0130323

st_GA	-.0046751	.0031202	-1.50	0.140	-.0109335	.0015832
st_HI	-.025264	.0034109	-7.41	0.000	-.0321054	-.0184227
st_IA	-.0024957	.0035317	-0.71	0.483	-.0095793	.004588
st_ID	-.0257446	.0036357	-7.08	0.000	-.033037	-.0184523
st_IL	.0006182	.0034616	0.18	0.859	-.0063248	.0075612
st_IN	-.0002305	.0030757	-0.07	0.941	-.0063997	.0059386
st_KS	.0106779	.0030824	3.46	0.001	.0044954	.0168604
st_KY	-.0138804	.0031176	-4.45	0.000	-.0201334	-.0076273
st_LA	.0024796	.0031119	0.80	0.429	-.003762	.0087212
st_MA	.0345869	.0037399	9.25	0.000	.0270855	.0420882
st_MD	.0557755	.003125	17.85	0.000	.0495075	.0620435
st_ME	-.0309988	.0032598	-9.51	0.000	-.0375371	-.0244605
st_MI	.0061075	.0030616	1.99	0.051	-.0000332	.0122483
st_MN	.0518784	.0032211	16.11	0.000	.0454176	.0583392
st_MO	-.0037956	.0030734	-1.23	0.222	-.00996	.0023688
st_MS	-.0018252	.0030989	-0.59	0.558	-.0080407	.0043904
st_MT	.0001326	.0031303	0.04	0.966	-.0061461	.0064113
st_NC	.004153	.0030734	1.35	0.182	-.0020115	.0103175
st_ND	.009303	.0031323	2.97	0.004	.0030204	.0155856
st_NE	-.0719586	.0036374	-19.78	0.000	-.0792542	-.0646629
st_NH	.0181681	.003139	5.79	0.000	.0118721	.0244642
st_NJ	.0067816	.0030791	2.20	0.032	.0006058	.0129575
st_NM	.0091933	.0031758	2.89	0.005	.0028233	.0155632
st_NV	.002397	.0031195	0.77	0.446	-.00386	.0086539
st_NY	.0041167	.0033246	1.24	0.221	-.0025516	.010785
st_OH	-.0425948	.0031485	-13.53	0.000	-.0489098	-.0362798
st_OK	.0017395	.0032557	0.53	0.595	-.0047905	.0082695
st_OR	-.0216467	.0034605	-6.26	0.000	-.0285877	-.0147058
st_PA	-.0264694	.0030392	-8.71	0.000	-.0325652	-.0203736
st_PR	-.0101534	.0044448	-2.28	0.026	-.0190685	-.0012382
st_RI	-.125637	.0045332	-27.72	0.000	-.1347293	-.1165446
st_SC	-.0050124	.003454	-1.45	0.153	-.0119403	.0019156
st_SD	.0090588	.0030575	2.96	0.005	.0029263	.0151913
st_TN	-.0018942	.0031046	-0.61	0.544	-.0081213	.0043329
st_TX	-.0398014	.0030623	-13.00	0.000	-.0459437	-.0336592
st_UT	.0713851	.0034993	20.40	0.000	.0643664	.0784037
st_VA	.0051703	.0030778	1.68	0.099	-.001003	.0113436
st_VT	-.0627221	.0039737	-15.78	0.000	-.0706924	-.0547518
st_WA	.0874045	.0031783	27.50	0.000	.0810297	.0937794
st_WI	-.0051139	.0035072	-1.46	0.151	-.0121484	.0019207
st_WV	.0129959	.0031954	4.07	0.000	.0065868	.0194051
st_WY	.2954009	.0039064	75.62	0.000	.2875658	.3032361
pial	-9.97e-06	7.17e-06	-1.39	0.170	-.0000243	4.41e-06
pia_miss	-.0185812	.0084204	-2.21	0.032	-.0354703	-.0016921
ime1	3.70e-06	2.01e-06	1.84	0.071	-3.29e-07	7.72e-06
ime_miss	-.0099649	.0029281	-3.40	0.001	-.015838	-.0040917
_cons	.1219412	.0107752	11.32	0.000	.1003289	.1435534

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

eperoll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0009079	.0016292	0.56	0.580	-.0023599 .0041756

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj =
-.0009079

eperoll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-4.55e-18	.0016292	-0.00	1.000	-.0032677	.0032677

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 53) = 5.98
 Prob > F = 0.0000

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 53) = 0.31
 Prob > F = 0.5797

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 53) = 5.24
 Prob > F = 0.0001

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs =	77161
F(52, 53) =	.
Prob > F =	.
R-squared =	0.1174
Root MSE =	.23272

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	.0005015	.0025034	0.20	0.842	-.0045197	.0055226
imm12_adj	.0016812	.0022744	0.74	0.463	-.0028806	.006243
imm13_adj	-.0015863	.0026064	-0.61	0.545	-.0068141	.0036414
imm14_adj	-.0051255	.0021715	-2.36	0.022	-.0094809	-.00077
imm15_adj	.0068999	.0019051	3.62	0.001	.0030788	.010721
imm16_adj	-.0010294	.0021975	-0.47	0.641	-.005437	.0033783
imm17_adj	.0002374	.0023367	0.10	0.919	-.0044494	.0049243
imm18_adj	-.0029932	.0014553	-2.06	0.045	-.0059122	-.0000742
imm19_adj	.0011529	.0020574	0.56	0.578	-.0029738	.0052796
male	.0050133	.0017997	2.79	0.007	.0014035	.0086232
gendermiss_flag	-.1489596	.0098559	-15.11	0.000	-.168728	-.1291912
tsd_age	-.0022784	.0002576	-8.84	0.000	-.0027951	-.0017616
doage2	-.0000488	.0001609	-0.30	0.763	-.0003715	.0002739

doage2miss_flag	-.0757413	.008391	-9.03	0.000	-.0925715	-.0589111
race_a	.0035833	.0105624	0.34	0.736	-.0176021	.0247687
race_b	.0164764	.002098	7.85	0.000	.0122683	.0206844
race_h	-.0081255	.0045186	-1.80	0.078	-.0171886	.0009376
race_i	-.0021281	.0104547	-0.20	0.839	-.0230975	.0188414
race_o	-.0085274	.0140767	-0.61	0.547	-.0367616	.0197069
race_mis	.0020218	.0048986	0.41	0.681	-.0078035	.0118471
tsd_edu_hs	.0054735	.0018938	2.89	0.006	.0016751	.0092719
tsd_edu_mrhs	.0244057	.0027718	8.81	0.000	.0188462	.0299652
tsd_edu_mis	.0157136	.0016005	9.82	0.000	.0125035	.0189237
tsd_mie_exp	-.0119667	.0043609	-2.74	0.008	-.0207135	-.0032199
tsd_mie_mis	-.0167497	.002255	-7.43	0.000	-.0212727	-.0122267
tsd_mie_psbl	-.0132257	.0019427	-6.81	0.000	-.0171222	-.0093291
tsd_medicare	-.0150487	.0029464	-5.11	0.000	-.0209585	-.009139
tsd_medicare_miss	-.0470578	.0057005	-8.26	0.000	-.0584915	-.0356241
tsd_depend_1	-.0108491	.0029122	-3.73	0.000	-.0166903	-.0050079
tsd_depend_2	-.0032978	.0017783	-1.85	0.069	-.0068646	.000269
tsd_depend_miss	-.0275593	.0094591	-2.91	0.005	-.0465318	-.0085868
tsd_vrpr	-.0087588	.0059168	-1.48	0.145	-.0206264	.0031088
tsd_vrpr_miss	-.0520899	.0058371	-8.92	0.000	-.0637977	-.0403821
pdcgroup2	-.0048853	.0030871	-1.58	0.119	-.0110772	.0013066
pdcgroup3	-.0003136	.0037061	-0.08	0.933	-.0077471	.0071199
pdcgroup4	-.0014036	.0026447	-0.53	0.598	-.0067083	.0039011
pdcgroup5	-.0179293	.0199369	-0.90	0.373	-.0579177	.0220591
cohort2000	-.0078212	.002246	-3.48	0.001	-.0123261	-.0033164
cohort2001	-.0070437	.0040506	-1.74	0.088	-.0151682	.0010809
cohort2002	-.0030566	.0066347	-0.46	0.647	-.0163641	.0102509
cohort2003	.0621176	.015225	4.08	0.000	.0315801	.092655
cohort2004	.036954	.0125211	2.95	0.005	.0118398	.0620682
award_b4_tsd	.0052692	.00936	0.56	0.576	-.0135046	.024043
diaward_tsd	-.0008808	.0001787	-4.93	0.000	-.0012393	-.0005223
epeb4twp_flag	-.0071542	.0433571	-0.17	0.870	-.0941175	.0798091
ldwb4twp_flag	.0283389	.0269392	1.05	0.298	-.0256944	.0823722
ldwb4epe_flag	.3606745	.0387964	9.30	0.000	.2828588	.4384901
twpb4tsd	.3023159	.0078746	38.39	0.000	.2865214	.3181103
epeb4tsd	-.1542228	.0076865	-20.06	0.000	-.1696399	-.1388056
ldwb4tsd	-.0900774	.0058559	-15.38	0.000	-.1018229	-.0783318
st_AL	.0134642	.006209	2.17	0.035	.0010105	.0259178
st_AR	-.027307	.0061015	-4.48	0.000	-.0395451	-.0150689
st_AZ	-.0252398	.0065331	-3.86	0.000	-.0383435	-.012136
st_CA	-.0009053	.0061976	-0.15	0.884	-.013336	.0115255
st_CO	-.0621261	.0064157	-9.68	0.000	-.0749944	-.0492579
st_CT	.0040203	.0060945	0.66	0.512	-.0082036	.0162442
st_DC	.007872	.0063134	1.25	0.218	-.004791	.020535
st_DE	-.028878	.0061786	-4.67	0.000	-.0412707	-.0164854
st_FL	-.0045759	.0062379	-0.73	0.466	-.0170875	.0079358
st_GA	-.0200593	.0060244	-3.33	0.002	-.0321427	-.0079759
st_HI	-.0578738	.0065056	-8.90	0.000	-.0709224	-.0448253
st_IA	-.0033203	.006439	-0.52	0.608	-.0162353	.0095947
st_ID	.0532922	.0066573	8.01	0.000	.0399393	.066645
st_IL	-.0219972	.0064219	-3.43	0.001	-.0348779	-.0091166
st_IN	-.016205	.0061043	-2.65	0.010	-.0284488	-.0039613
st_KS	-.0040487	.0061189	-0.66	0.511	-.0163215	.0082242
st_KY	-.0362622	.0060955	-5.95	0.000	-.0484882	-.0240362
st_LA	-.0155155	.0060708	-2.56	0.013	-.027692	-.0033391
st_MA	.0246004	.0065624	3.75	0.000	.011438	.0377628
st_MD	.0328299	.0061758	5.32	0.000	.0204429	.0452169
st_ME	-.0667669	.0062298	-10.72	0.000	-.0792622	-.0542715
st_MI	-.0112454	.0060402	-1.86	0.068	-.0233605	.0008698
st_MN	.0104341	.0064137	1.63	0.110	-.0024302	.0232985
st_MO	-.0231529	.0061023	-3.79	0.000	-.0353927	-.0109132
st_MS	-.0223557	.0060765	-3.68	0.001	-.0345435	-.0101678
st_MT	-.0165535	.0061669	-2.68	0.010	-.0289229	-.0041842

st_NC	-.0128731	.0061271	-2.10	0.040	-.0251624	-.0005837
st_ND	-.0091435	.0062232	-1.47	0.148	-.0216257	.0033387
st_NE	-.0107677	.006837	-1.57	0.121	-.024481	.0029457
st_NH	.0182524	.006131	2.98	0.004	.0059551	.0305498
st_NJ	-.0082777	.0061788	-1.34	0.186	-.0206708	.0041155
st_NM	-.0055503	.0062045	-0.89	0.375	-.0179949	.0068943
st_NV	-.0072699	.0061836	-1.18	0.245	-.0196727	.005133
st_NY	-.003895	.0063048	-0.62	0.539	-.0165408	.0087507
st_OH	-.0602623	.0062376	-9.66	0.000	-.0727733	-.0477513
st_OK	.0148542	.0061467	2.42	0.019	.0025255	.027183
st_OR	-.0274413	.0063311	-4.33	0.000	-.0401399	-.0147427
st_PA	-.0498046	.0060048	-8.29	0.000	-.0618487	-.0377604
st_PR	-.0423689	.0074497	-5.69	0.000	-.0573112	-.0274267
st_RI	.0274883	.0090451	3.04	0.004	.0093462	.0456304
st_SC	-.0334594	.0063469	-5.27	0.000	-.0461896	-.0207292
st_SD	-.0185078	.0061273	-3.02	0.004	-.0307975	-.006218
st_TN	-.0227376	.0060975	-3.73	0.000	-.0349677	-.0105076
st_TX	-.0190913	.0062101	-3.07	0.003	-.0315471	-.0066355
st_UT	.0379386	.0063874	5.94	0.000	.025127	.0507502
st_VA	-.0094377	.006096	-1.55	0.128	-.0216648	.0027894
st_VT	-.0660343	.0067041	-9.85	0.000	-.0794809	-.0525876
st_WA	.0728847	.0062267	11.71	0.000	.0603956	.0853738
st_WI	-.0449901	.0063452	-7.09	0.000	-.0577169	-.0322633
st_WV	.0296241	.0061741	4.80	0.000	.0172404	.0420078
st_WY	.2459832	.0067733	36.32	0.000	.2323976	.2595688
pial	1.82e-06	.0000105	0.17	0.862	-.0000192	.0000228
pia_miss	-.0140978	.0096689	-1.46	0.151	-.0334912	.0052957
ime1	-1.27e-06	2.73e-06	-0.46	0.645	-6.75e-06	4.21e-06
ime_miss	-.0246625	.0032974	-7.48	0.000	-.0312764	-.0180487
_cons	.2295501	.014977	15.33	0.000	.19951	.2595902

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

eperoll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0002614	.0017198	0.15	0.880	-.0031881 .0037108

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj =
-.0002614

eperoll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-2.16e-17	.0017198	-0.00	1.000	-.0034494 .0034494

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 53) = 3.14
Prob > F = 0.0042

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 53) = 0.02
 Prob > F = 0.8798

(1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
 (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
 (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
 (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
 (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
 (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
 (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 53) = 3.54
 Prob > F = 0.0034

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.1149
 Root MSE = .25658

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll148	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
imm10_adj	-.000235	.0031248	-0.08	0.940	-.0065026 .0060325
imm12_adj	.0019357	.0023836	0.81	0.420	-.0028453 .0067166
imm13_adj	-.0016173	.0026565	-0.61	0.545	-.0069455 .0037109
imm14_adj	-.0035652	.0020217	-1.76	0.084	-.0076203 .0004898
imm15_adj	.0065856	.002067	3.19	0.002	.0024398 .0107315
imm16_adj	-.0004129	.0023441	-0.18	0.861	-.0051145 .0042888
imm17_adj	-.0013179	.0023546	-0.56	0.578	-.0060407 .0034049
imm18_adj	-.0017128	.0020407	-0.84	0.405	-.0058059 .0023803
imm19_adj	.0013387	.0026618	0.50	0.617	-.0040002 .0066777
male	.0047153	.0021691	2.17	0.034	.0003647 .0090659
gendermiss_flag	-.1969578	.0100298	-19.64	0.000	-.2170749 -.1768406
tsd_age	-.0030509	.0003307	-9.23	0.000	-.0037142 -.0023877
doage2	.0000772	.000192	0.40	0.689	-.0003079 .0004623
doage2miss_flag	-.0954066	.0103157	-9.25	0.000	-.1160972 -.074716
race_a	.0038348	.0147574	0.26	0.796	-.0257649 .0334344
race_b	.0170314	.0021501	7.92	0.000	.0127188 .021344
race_h	-.0047131	.0055966	-0.84	0.403	-.0159385 .0065123
race_i	-.0021132	.0110068	-0.19	0.848	-.0241901 .0199637
race_o	-.0069246	.0163343	-0.42	0.673	-.039687 .0258379
race_mis	-.0029543	.0054307	-0.54	0.589	-.013847 .0079383
tsd_edu_hs	.0077719	.0022856	3.40	0.001	.0031875 .0123564
tsd_edu_mrhs	.0303462	.0032122	9.45	0.000	.0239034 .036789
tsd_edu_mis	.0182287	.0022176	8.22	0.000	.0137807 .0226767
tsd_mie_exp	-.012607	.0054711	-2.30	0.025	-.0235807 -.0016334
tsd_mie_mis	-.0170669	.0022559	-7.57	0.000	-.0215917 -.012542
tsd_mie_psbl	-.0118271	.002519	-4.70	0.000	-.0168797 -.0067746
tsd_medicare	-.0177807	.0034729	-5.12	0.000	-.0247465 -.0108149
tsd_medicare_miss	-.058908	.0063005	-9.35	0.000	-.0715452 -.0462707
tsd_depend_1	-.0099242	.003181	-3.12	0.003	-.0163044 -.003544
tsd_depend_2	-.0002128	.0016657	-0.13	0.899	-.0035537 .0031281

tsd_depend_miss	-.0374264	.0095899	-3.90	0.000	-.0566613	-.0181915
tsd_vrpr	-.0287008	.0049792	-5.76	0.000	-.0386878	-.0187138
tsd_vrpr_miss	-.0823714	.0051912	-15.87	0.000	-.0927836	-.0719592
pdcgrou2	-.0077845	.0033892	-2.30	0.026	-.0145824	-.0009867
pdcgrou3	-.0006731	.0037519	-0.18	0.858	-.0081985	.0068523
pdcgrou4	-.002609	.0030081	-0.87	0.390	-.0086426	.0034245
pdcgrou5	-.0317989	.019733	-1.61	0.113	-.0713783	.0077804
cohort2000	-.0100466	.002958	-3.40	0.001	-.0159796	-.0041136
cohort2001	-.0108154	.0047853	-2.26	0.028	-.0204134	-.0012173
cohort2002	-.0059718	.0068897	-0.87	0.390	-.0197909	.0078473
cohort2003	.0769982	.0202539	3.80	0.000	.0363741	.1176224
cohort2004	.0563403	.0131985	4.27	0.000	.0298674	.0828132
award_b4_tsd	.0044225	.0102345	0.43	0.667	-.0161054	.0249503
diaward_tsd	-.0009747	.0002548	-3.83	0.000	-.0014858	-.0004637
epeb4twp_flag	-.0056539	.0460524	-0.12	0.903	-.0980233	.0867156
ldwb4twp_flag	.0206867	.0303598	0.68	0.499	-.0402073	.0815807
ldwb4epe_flag	.4931104	.0398784	12.37	0.000	.4131245	.5730963
twpb4tsd	.3083426	.0075664	40.75	0.000	.2931663	.323519
epeb4tsd	-.1737367	.0076386	-22.74	0.000	-.1890577	-.1584157
ldwb4tsd	-.1008162	.0054774	-18.41	0.000	-.1118024	-.08983
st_AL	-.0025737	.0072953	-0.35	0.726	-.0172063	.0120588
st_AR	-.028646	.007217	-3.97	0.000	-.0431215	-.0141706
st_AZ	-.0224832	.0076855	-2.93	0.005	-.0378983	-.0070681
st_CA	-.0007586	.0072502	-0.10	0.917	-.0153007	.0137835
st_CO	-.0675093	.0074997	-9.00	0.000	-.0825517	-.0524668
st_CT	.0023082	.0071475	0.32	0.748	-.0120279	.0166444
st_DC	.0163501	.0073859	2.21	0.031	.0015359	.0311643
st_DE	-.0105671	.0072023	-1.47	0.148	-.0250131	.0038788
st_FL	-.000761	.0072952	-0.10	0.917	-.0153934	.0138714
st_GA	-.021688	.0071163	-3.05	0.004	-.0359614	-.0074146
st_HI	-.0723667	.0077666	-9.32	0.000	-.0879445	-.0567889
st_IA	.0178346	.0074656	2.39	0.020	.0028605	.0328087
st_ID	.0404056	.0074981	5.39	0.000	.0253664	.0554449
st_IL	-.0287712	.0074613	-3.86	0.000	-.0437368	-.0138057
st_IN	-.0187822	.0071687	-2.62	0.011	-.0331608	-.0044037
st_KS	-.0004523	.0071891	-0.06	0.950	-.0148718	.0139671
st_KY	-.0383166	.0071602	-5.35	0.000	-.0526781	-.023955
st_LA	-.0114426	.0071569	-1.60	0.116	-.0257975	-.0029123
st_MA	.032912	.0075687	4.35	0.000	.0177311	.048093
st_MD	.0511399	.0072983	7.01	0.000	.0365014	.0657785
st_ME	-.0815816	.0073295	-11.13	0.000	-.0962828	-.0668804
st_MI	-.0142613	.0070941	-2.01	0.050	-.0284903	-.0000323
st_MN	.0258285	.0075026	3.44	0.001	.0107802	.0408768
st_MO	-.0221412	.0071549	-3.09	0.003	-.0364921	-.0077904
st_MS	-.0235069	.0071293	-3.30	0.002	-.0378065	-.0092073
st_MT	-.0181107	.0072462	-2.50	0.016	-.0326447	-.0035766
st_NC	-.0045378	.0072116	-0.63	0.532	-.0190025	.0099269
st_ND	-.0055179	.0073058	-0.76	0.453	-.0201715	.0091357
st_NE	-.0383226	.0078645	-4.87	0.000	-.0540968	-.0225483
st_NH	.0329386	.00716	4.60	0.000	.0185774	.0472997
st_NJ	-.0080287	.0072513	-1.11	0.273	-.0225729	.0065155
st_NM	-.0040258	.0074988	-0.54	0.594	-.0190664	.0110148
st_NV	-.0126208	.0073032	-1.73	0.090	-.0272692	.0020277
st_NY	-.0043116	.0073393	-0.59	0.559	-.0190325	.0104092
st_OH	-.0795074	.0071805	-11.07	0.000	-.0939097	-.0651052
st_OK	.0131478	.0072288	1.82	0.075	-.0013513	.0276468
st_OR	-.0038106	.007361	-0.52	0.607	-.018575	.0109537
st_PA	-.0650332	.0071254	-9.13	0.000	-.079325	-.0507414
st_PR	-.0549693	.0086943	-6.32	0.000	-.0724079	-.0375308
st_RI	.0117204	.0098751	1.19	0.241	-.0080865	.0315273
st_SC	-.0367345	.0073984	-4.97	0.000	-.0515738	-.0218951
st_SD	-.0119696	.0072144	-1.66	0.103	-.0264399	.0025006
st_TN	-.0247987	.0071685	-3.46	0.001	-.0391769	-.0104204

st_TX	-.0278597	.0073481	-3.79	0.000	-.042598	-.0131213
st_UT	.0287182	.0074793	3.84	0.000	.0137167	.0437198
st_VA	-.0077846	.0071783	-1.08	0.283	-.0221824	.0066133
st_VT	-.011267	.0077728	-1.45	0.153	-.0268572	.0043232
st_WA	.0532637	.0072925	7.30	0.000	.0386368	.0678905
st_WI	-.0349145	.0073429	-4.75	0.000	-.0496426	-.0201865
st_WV	.0138323	.0072748	1.90	0.063	-.0007591	.0284236
st_WY	.2211037	.0078739	28.08	0.000	.2053107	.2368967
pial	6.76e-06	.0000104	0.65	0.520	-.0000142	.0000277
pia_miss	-.004351	.0093824	-0.46	0.645	-.0231698	.0144678
ime1	-4.26e-06	2.90e-06	-1.47	0.148	-.0000101	1.57e-06
ime_miss	-.0354719	.0037249	-9.52	0.000	-.0429431	-.0280007
_cons	.3001047	.0151629	19.79	0.000	.2696917	.3305177

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

eperoll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0009989	.0023987	-0.42	0.679	-.00581 .0038123

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0009989

eperoll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-8.67e-18	.0023987	-0.00	1.000	-.0048111 .0048111

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 53) = 2.36
 Prob > F = 0.0250

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 53) = 0.17
 Prob > F = 0.6788

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 53) = 2.83
 Prob > F = 0.0140

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.0197
 Root MSE = .17898

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	.0022384	.0017159	1.30	0.198	-.0012033	.00568
imm12_adj	.000057	.0013589	0.04	0.967	-.0026687	.0027827
imm13_adj	-.0011806	.0024704	-0.48	0.635	-.0061355	.0037743
imm14_adj	.000119	.0014308	0.08	0.934	-.0027508	.0029887
imm15_adj	.0022559	.0028013	0.81	0.424	-.0033629	.0078747
imm16_adj	-.0019378	.0021042	-0.92	0.361	-.0061582	.0022827
imm17_adj	-.0000592	.0026467	-0.02	0.982	-.0053679	.0052495
imm18_adj	.0000491	.0018965	0.03	0.979	-.0037549	.003853
imm19_adj	.0000508	.0018175	0.03	0.978	-.0035945	.0036962
male	.0024482	.0015113	1.62	0.111	-.0005831	.0054796
gendermiss_flag	-.1008007	.0094874	-10.62	0.000	-.11983	-.0817715
tsd_age	-.0011709	.0001441	-8.13	0.000	-.0014599	-.0008818
doage2	-4.26e-06	.0001356	-0.03	0.975	-.0002763	.0002677
doage2miss_flag	-.0379299	.0042429	-8.94	0.000	-.04644	-.0294197
race_a	.0039383	.007985	0.49	0.624	-.0120776	.0199543
race_b	.008193	.0019541	4.19	0.000	.0042736	.0121124
race_h	-.0033739	.00257	-1.31	0.195	-.0085287	.0017809
race_i	-.0020226	.0080881	-0.25	0.804	-.0182453	.0142001
race_o	.0139133	.0174311	0.80	0.428	-.0210491	.0488756
race_mis	.0068678	.0054952	1.25	0.217	-.0041542	.0178897
tsd_edu_hs	.0018899	.0015826	1.19	0.238	-.0012844	.0050641
tsd_edu_mrhs	.0116224	.0027102	4.29	0.000	.0061865	.0170583
tsd_edu_mis	.0034591	.0016234	2.13	0.038	.0002031	.0067151
tsd_mie_exp	.0013946	.0031549	0.44	0.660	-.0049333	.0077225
tsd_mie_mis	-.0044609	.0016545	-2.70	0.009	-.0077794	-.0011425
tsd_mie_psbl	.0038164	.002084	1.83	0.073	-.0003635	.0079964
tsd_medicare	-.016697	.0018322	-9.11	0.000	-.020372	-.0130221
tsd_medicare_miss	-.0199004	.00632	-3.15	0.003	-.0325768	-.0072241
tsd_depend_1	-.0059595	.0020958	-2.84	0.006	-.0101632	-.0017559
tsd_depend_2	-.0012373	.0013706	-0.90	0.371	-.0039863	.0015117
tsd_depend_miss	-.0151624	.0040772	-3.72	0.000	-.0233403	-.0069845
tsd_vrpr	-.0101245	.0034657	-2.92	0.005	-.0170757	-.0031732
tsd_vrpr_miss	-.0356901	.0028968	-12.32	0.000	-.0415004	-.0298798
pdcgrou2	-.006192	.0034422	-1.80	0.078	-.0130962	.0007121
pdcgrou3	-.0061211	.0033832	-1.81	0.076	-.012907	.0006648
pdcgrou4	-.0047755	.0026972	-1.77	0.082	-.0101855	.0006345
pdcgrou5	-.00573	.0180529	-0.32	0.752	-.0419396	.0304796
cohort2000	-.0055559	.002708	-2.05	0.045	-.0109874	-.0001244
cohort2001	-.0049702	.0043269	-1.15	0.256	-.0136487	.0037084
cohort2002	-.0064054	.0060909	-1.05	0.298	-.0186221	.0058114
cohort2003	.0009116	.0120891	0.08	0.940	-.023336	.0251593
cohort2004	-.030988	.0095211	-3.25	0.002	-.0500849	-.011891
award_b4_tsd	.0087572	.009147	0.96	0.343	-.0095895	.0271038
diaward_tsd	-.0002212	.0001499	-1.48	0.146	-.0005219	.0000795
epeb4twp_flag	.1049366	.1126417	0.93	0.356	-.120994	.3308672
ldwb4twp_flag	.0149097	.0720683	0.21	0.837	-.1296411	.1594604
ldwb4epe_flag	.1848613	.0346467	5.34	0.000	.1153689	.2543537

twpb4tsd	-.0179461	.008638	-2.08	0.043	-.0352717	-.0006205
epeb4tsd	-.0322771	.003241	-9.96	0.000	-.0387778	-.0257765
ldwb4tsd	-.0165987	.0023469	-7.07	0.000	-.0213059	-.0118914
st_AL	-.0020008	.0028081	-0.71	0.479	-.0076331	.0036315
st_AR	-.0078651	.0027848	-2.82	0.007	-.0134507	-.0022795
st_AZ	-.0031609	.0029709	-1.06	0.292	-.0091198	.0027981
st_CA	.0180752	.0027289	6.62	0.000	.0126017	.0235487
st_CO	-.0305493	.0028362	-10.77	0.000	-.036238	-.0248606
st_CT	.0106272	.0027105	3.92	0.000	.0051907	.0160637
st_DC	.0048121	.0030626	1.57	0.122	-.0013306	.0109548
st_DE	.0369156	.002781	13.27	0.000	.0313377	.0424936
st_FL	.0074606	.0027795	2.68	0.010	.0018855	.0130356
st_GA	-.0025304	.0028702	-0.88	0.382	-.0082874	.0032265
st_HI	-.0332876	.0032871	-10.13	0.000	-.0398807	-.0266945
st_IA	.0214569	.0029748	7.21	0.000	.0154902	.0274236
st_ID	-.0325892	.0033834	-9.63	0.000	-.0393755	-.0258029
st_IL	.000327	.0028336	0.12	0.909	-.0053565	.0060106
st_IN	-.0007569	.0027104	-0.28	0.781	-.0061933	.0046795
st_KS	.0070069	.0027393	2.56	0.013	.0015126	.0125011
st_KY	-.0112164	.0027514	-4.08	0.000	-.016735	-.0056978
st_LA	-.0002244	.0027578	-0.08	0.935	-.0057558	.005307
st_MA	.0408004	.0029363	13.90	0.000	.034911	.0466898
st_MD	-.0366641	.0027946	-13.12	0.000	-.0422694	-.0310589
st_ME	-.0307686	.0032155	-9.57	0.000	-.037218	-.0243192
st_MI	.001593	.0027338	0.58	0.563	-.0038903	.0070763
st_MN	.0641145	.0027984	22.91	0.000	.0585016	.0697273
st_MO	.0029719	.0027146	1.09	0.279	-.0024728	.0084166
st_MS	-.0058705	.0027554	-2.13	0.038	-.0113972	-.0003439
st_MT	-.0036584	.0028897	-1.27	0.211	-.0094543	.0021375
st_NC	.0568822	.0028326	20.08	0.000	.0512007	.0625637
st_ND	-.006924	.0029052	-2.38	0.021	-.012751	-.0010969
st_NE	-.0529644	.0028314	-18.71	0.000	-.0586434	-.0472854
st_NH	.0114466	.002769	4.13	0.000	.0058927	.0170006
st_NJ	.003562	.0027454	1.30	0.200	-.0019446	.0090685
st_NM	.0031077	.0028713	1.08	0.284	-.0026513	.0088668
st_NV	.0073235	.0027642	2.65	0.011	.0017792	.0128679
st_NY	.0064783	.0028336	2.29	0.026	.0007948	.0121619
st_OH	-.0231925	.0027976	-8.29	0.000	-.0288038	-.0175813
st_OK	-.0267065	.0028694	-9.31	0.000	-.0324619	-.0209511
st_OR	.0009908	.0031093	0.32	0.751	-.0052455	.0072272
st_PA	-.0200658	.0028605	-7.01	0.000	-.0258032	-.0143284
st_PR	-.0080047	.0035369	-2.26	0.028	-.0150989	-.0009105
st_RI	.1697305	.0056891	29.83	0.000	.1583196	.1811414
st_SC	-.0237709	.0028918	-8.22	0.000	-.0295712	-.0179707
st_SD	.0018312	.0028363	0.65	0.521	-.0038577	.00752
st_TN	-.0046206	.0027328	-1.69	0.097	-.0101019	.0008608
st_TX	-.0015956	.00285	-0.56	0.578	-.0073119	.0041207
st_UT	-.0236574	.0035339	-6.69	0.000	-.0307455	-.0165692
st_VA	.0019373	.0027215	0.71	0.480	-.0035214	.007396
st_VT	.0366165	.0032352	11.32	0.000	.0301276	.0431055
st_WA	.0418435	.0028094	14.89	0.000	.0362087	.0474784
st_WI	-.015565	.0029043	-5.36	0.000	-.0213904	-.0097397
st_WV	.0276356	.0028584	9.67	0.000	.0219024	.0333687
st_WY	-.0417237	.0036977	-11.28	0.000	-.0491403	-.034307
pial	.0000245	7.24e-06	3.39	0.001	.00001	.0000391
pia_miss	.0094269	.0061754	1.53	0.133	-.0029595	.0218132
ime1	-6.04e-06	1.85e-06	-3.27	0.002	-9.75e-06	-2.34e-06
ime_miss	-.0182617	.0025613	-7.13	0.000	-.023399	-.0131244
_cons	.1184321	.0107115	11.06	0.000	.0969475	.1399167

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj -
imm17_adj - imm18_adj - imm19_adj = 0

twproll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-.0015926	.0014934	-1.07	0.291	-.004588	.0014029

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0015926

twproll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-3.43e-17	.0014934	-0.00	1.000	-.0029955	.0029955

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 53) = 1.57
 Prob > F = 0.1477

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 53) = 1.14
 Prob > F = 0.2911

- (1) -.5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) -.5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) -.5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) -.5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) -.5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) -.5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) -.5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 53) = 0.65
 Prob > F = 0.7124

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs =	77161
F(52, 53) =	.
Prob > F =	.
R-squared =	0.0332
Root MSE =	.23399

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	.002077	.0020086	1.03	0.306	-.0019517	.0061058
imm12_adj	.0014923	.0015344	0.97	0.335	-.0015854	.00457

imm13_adj	.0008934	.0024324	0.37	0.715	-.0039853	.0057721
imm14_adj	-.0018764	.0021912	-0.86	0.396	-.0062714	.0025186
imm15_adj	.0025394	.0031163	0.81	0.419	-.0037111	.00879
imm16_adj	-.000267	.0022555	-0.12	0.906	-.004791	.0042569
imm17_adj	-.0001822	.0031302	-0.06	0.954	-.0064607	.0060963
imm18_adj	-.0015045	.0018949	-0.79	0.431	-.0053053	.0022962
imm19_adj	-.0004265	.002342	-0.18	0.856	-.005124	.004271
male	.0014383	.0017173	0.84	0.406	-.0020061	.0048827
gendermiss_flag	-.2030369	.0110042	-18.45	0.000	-.2251084	-.1809654
tsd_age	-.0018983	.0002611	-7.27	0.000	-.002422	-.0013746
doage2	-.0001396	.0001842	-0.76	0.452	-.0005091	.0002298
doage2miss_flag	-.0747215	.0069204	-10.80	0.000	-.088602	-.060841
race_a	.0047519	.0124943	0.38	0.705	-.0203085	.0298124
race_b	.013888	.0023803	5.83	0.000	.0091138	.0186623
race_h	-.001075	.0060329	-0.18	0.859	-.0131755	.0110256
race_i	-.0009095	.0120972	-0.08	0.940	-.0251734	.0233544
race_o	.0117275	.0176305	0.67	0.509	-.0236348	.0470898
race_mis	.0020551	.0056783	0.36	0.719	-.0093341	.0134443
tsd_edu_hs	.0020798	.0018554	1.12	0.267	-.0016417	.0058012
tsd_edu_mrhs	.0212423	.0030201	7.03	0.000	.0151847	.0272998
tsd_edu_mis	.0049338	.002239	2.20	0.032	.0004429	.0094246
tsd_mie_exp	.005717	.0043799	1.31	0.197	-.0030679	.0145019
tsd_mie_mis	-.0059971	.0025446	-2.36	0.022	-.0111009	-.0008932
tsd_mie_psbl	.006141	.0027825	2.21	0.032	.0005601	.0117219
tsd_medicare	-.0247331	.0028008	-8.83	0.000	-.0303509	-.0191154
tsd_medicare_miss	-.0378819	.0077009	-4.92	0.000	-.0533279	-.0224359
tsd_depend_1	-.0067549	.0031054	-2.18	0.034	-.0129836	-.0005262
tsd_depend_2	.0004269	.0022367	0.19	0.849	-.0040594	.0049131
tsd_depend_miss	-.0330293	.0044913	-7.35	0.000	-.0420377	-.0240208
tsd_vrpr	-.0428446	.0062118	-6.90	0.000	-.0553039	-.0303853
tsd_vrpr_miss	-.0840563	.0066522	-12.64	0.000	-.0973989	-.0707137
pdcgrou2	-.0099416	.0039077	-2.54	0.014	-.0177795	-.0021037
pdcgrou3	-.0090489	.004426	-2.04	0.046	-.0179264	-.0001715
pdcgrou4	-.0088857	.0033025	-2.69	0.010	-.0155096	-.0022617
pdcgrou5	.0002083	.0197686	0.01	0.992	-.0394425	.0398592
cohort2000	-.0091235	.0040206	-2.27	0.027	-.0171878	-.0010592
cohort2001	-.01428	.0068054	-2.10	0.041	-.0279299	-.0006301
cohort2002	-.0157432	.0094711	-1.66	0.102	-.0347398	.0032534
cohort2003	.0131945	.0214235	0.62	0.541	-.0297756	.0561646
cohort2004	-.010903	.0218403	-0.50	0.620	-.0547091	.0329031
award_b4_tsd	.0144021	.0104284	1.38	0.173	-.0065146	.0353188
diaward_tsd	-.0006377	.0002815	-2.27	0.028	-.0012022	-.0000731
epeb4twp_flag	.0307722	.1385288	0.22	0.825	-.2470813	.3086258
ldwb4twp_flag	.4185229	.1206827	3.47	0.001	.1764641	.6605818
ldwb4epe_flag	.2339063	.0280911	8.33	0.000	.1775627	.2902499
twpb4tsd	-.0465117	.0087675	-5.31	0.000	-.064097	-.0289263
epeb4tsd	-.0513305	.0036795	-13.95	0.000	-.0587106	-.0439504
ldwb4tsd	-.024554	.0028357	-8.66	0.000	-.0302417	-.0188662
st_AL	.038111	.0049185	7.75	0.000	.0282459	.0479762
st_AR	-.00714	.0048886	-1.46	0.150	-.0169453	.0026653
st_AZ	-.0028986	.0050714	-0.57	0.570	-.0130707	.0072734
st_CA	.0268514	.0048331	5.56	0.000	.0171575	.0365453
st_CO	-.0448875	.0049384	-9.09	0.000	-.0547927	-.0349822
st_CT	.0161447	.0047917	3.37	0.001	.0065337	.0257556
st_DC	-.0046865	.0051393	-0.91	0.366	-.0149947	.0056217
st_DE	.0123161	.0048331	2.55	0.014	.0026222	.0220101
st_FL	.0126428	.004881	2.59	0.012	.0028528	.0224328
st_GA	-.003665	.0049851	-0.74	0.465	-.0136637	.0063338
st_HI	-.0562292	.0053348	-10.54	0.000	-.0669294	-.0455289
st_IA	.0009712	.0051016	0.19	0.850	-.0092613	.0112037
st_ID	.0537611	.0058202	9.24	0.000	.0420872	.065435
st_IL	-.0166526	.0048761	-3.42	0.001	-.0264328	-.0068723
st_IN	.0014525	.0048182	0.30	0.764	-.0082117	.0111166

st_KS	.0151759	.004813	3.15	0.003	.0055222	.0248296
st_KY	-.0142835	.0048845	-2.92	0.005	-.0240805	-.0044865
st_LA	.0006487	.0048636	0.13	0.894	-.0091064	.0104039
st_MA	.0473083	.0049213	9.61	0.000	.0374374	.0571791
st_MD	.002577	.0049067	0.53	0.602	-.0072646	.0124186
st_ME	-.0564145	.005393	-10.46	0.000	-.0672315	-.0455975
st_MI	.0003374	.0048297	0.07	0.945	-.0093497	.0100245
st_MN	.0329822	.0049716	6.63	0.000	.0230104	.042954
st_MO	.0026427	.0048295	0.55	0.587	-.007044	.0123294
st_MS	-.0108992	.0049447	-2.20	0.032	-.0208171	-.0009814
st_MT	-.0028265	.0049522	-0.57	0.571	-.0127595	.0071064
st_NC	.0553508	.0049355	11.21	0.000	.0454514	.0652503
st_ND	-.0088769	.0050359	-1.76	0.084	-.0189777	.0012239
st_NE	.0189004	.0053469	3.53	0.001	.0081759	.0296249
st_NH	.0330598	.0048201	6.86	0.000	.0233919	.0427277
st_NJ	.0059375	.004824	1.23	0.224	-.0037381	.0156132
st_NM	.0023426	.005038	0.46	0.644	-.0077622	.0124475
st_NV	.0092228	.0048192	1.91	0.061	-.0004433	.0188889
st_NY	.0086069	.0047873	1.80	0.078	-.0009953	.018209
st_OH	-.0261583	.0048824	-5.36	0.000	-.0359512	-.0163654
st_OK	.0216215	.0048967	4.42	0.000	.0118	.031443
st_OR	.0165282	.0050421	3.28	0.002	.0064151	.0266413
st_PA	-.0008278	.0048168	-0.17	0.864	-.0104891	.0088336
st_PR	-.0300686	.0061759	-4.87	0.000	-.0424559	-.0176812
st_RI	.150959	.0088928	16.98	0.000	.1331222	.1687957
st_SC	-.0308164	.0049183	-6.27	0.000	-.0406813	-.0209514
st_SD	-.0099645	.0049637	-2.01	0.050	-.0199205	-8.46e-06
st_TN	-.0069596	.0048878	-1.42	0.160	-.0167634	.0028441
st_TX	-.0032044	.0049353	-0.65	0.519	-.0131033	.0066945
st_UT	-.0351666	.0054067	-6.50	0.000	-.0460111	-.0243221
st_VA	.006087	.0048296	1.26	0.213	-.0036	.015774
st_VT	.0830365	.005628	14.75	0.000	.0717482	.0943248
st_WA	.0680396	.0049241	13.82	0.000	.0581632	.077916
st_WI	-.0174359	.0049899	-3.49	0.001	-.0274444	-.0074273
st_WV	.0582411	.0049184	11.84	0.000	.048376	.0681061
st_WY	.2516599	.0055325	45.49	0.000	.2405631	.2627566
pial	.0000366	9.37e-06	3.91	0.000	.0000178	.0000554
pia_miss	.0185766	.0067709	2.74	0.008	.0049959	.0321572
ime1	-.0000108	2.43e-06	-4.44	0.000	-.0000157	-5.92e-06
ime_miss	-.0323798	.0033082	-9.79	0.000	-.0390152	-.0257444
_cons	.2372698	.0148359	15.99	0.000	.2075128	.2670269

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

twproll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0027455	.0020223	-1.36	0.180	-.0068018 .0013107

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0027455

twproll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	1.04e-17	.0020223	0.00	1.000	-.0040562 .0040562

(1) imm10_adj = 0

(2) imm12_adj = 0

(3) imm13_adj = 0
 (4) imm14_adj = 0
 (5) imm15_adj = 0
 (6) imm16_adj = 0
 (7) imm17_adj = 0
 (8) imm18_adj = 0
 (9) imm19_adj = 0

F(9, 53) = 1.71
 Prob > F = 0.1102

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj +
 imm17_adj + imm18_adj + imm19_adj = 0

F(1, 53) = 1.84
 Prob > F = 0.1803

(1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
 (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
 (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
 (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
 (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
 (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
 (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 53) = 0.45
 Prob > F = 0.8634

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.0438
 Root MSE = .26691

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	.0010395	.0026836	0.39	0.700	-.004343	.0064221
imm12_adj	.0025326	.0019192	1.32	0.193	-.0013168	.006382
imm13_adj	.0029389	.0021327	1.38	0.174	-.0013387	.0072165
imm14_adj	-.0024497	.0028426	-0.86	0.393	-.0081511	.0032518
imm15_adj	.0015306	.0035506	0.43	0.668	-.0055909	.0086521
imm16_adj	.0015589	.0026584	0.59	0.560	-.0037733	.006891
imm17_adj	-.0028165	.0035493	-0.79	0.431	-.0099355	.0043026
imm18_adj	-.0008748	.0025886	-0.34	0.737	-.006067	.0043173
imm19_adj	-.0012668	.0029452	-0.43	0.669	-.0071742	.0046406
male	.0014318	.0018523	0.77	0.443	-.0022835	.0051471
gendermiss_flag	-.2638879	.0129759	-20.34	0.000	-.2899142	-.2378616
tsd_age	-.0026921	.0004022	-6.69	0.000	-.0034987	-.0018854
doage2	-.000076	.0002503	-0.30	0.763	-.0005781	.0004261
doage2miss_flag	-.1099306	.0097686	-11.25	0.000	-.1295239	-.0903373
race_a	.0052813	.0123839	0.43	0.671	-.0195577	.0301203
race_b	.0147972	.0024153	6.13	0.000	.0099528	.0196416
race_h	-.0005542	.0065056	-0.09	0.932	-.0136027	.0124944
race_i	-.0038343	.0134755	-0.28	0.777	-.0308628	.0231941
race_o	.0072247	.0172047	0.42	0.676	-.0272836	.0417329
race_mis	-.0033301	.0063101	-0.53	0.600	-.0159866	.0093264

tsd_edu_hs	.0027212	.0020704	1.31	0.194	-.0014315	.0068739
tsd_edu_mrhs	.0278121	.004	6.95	0.000	.0197892	.035835
tsd_edu_mis	.0058923	.0024187	2.44	0.018	.001041	.0107437
tsd_mie_exp	.0127158	.0043254	2.94	0.005	.0040401	.0213915
tsd_mie_mis	-.0038925	.0023498	-1.66	0.104	-.0086056	.0008206
tsd_mie_psbl	.0100837	.0025154	4.01	0.000	.0050385	.0151289
tsd_medicare	-.0286838	.0031993	-8.97	0.000	-.0351007	-.0222669
tsd_medicare_miss	-.056184	.0082834	-6.78	0.000	-.0727984	-.0395697
tsd_depend_1	-.0078815	.0031316	-2.52	0.015	-.0141627	-.0016002
tsd_depend_2	.002204	.0023257	0.95	0.348	-.0024607	.0068687
tsd_depend_miss	-.0460151	.0054032	-8.52	0.000	-.0568526	-.0351776
tsd_vrpr	-.0636105	.0059903	-10.62	0.000	-.0756255	-.0515955
tsd_vrpr_miss	-.1175994	.0063103	-18.64	0.000	-.1302563	-.1049425
pdcgrou2	-.0186495	.0042064	-4.43	0.000	-.0270865	-.0102126
pdcgrou3	-.0131224	.0047755	-2.75	0.008	-.0227007	-.003544
pdcgrou4	-.0154728	.0039152	-3.95	0.000	-.0233257	-.0076198
pdcgrou5	-.0100202	.028486	-0.35	0.726	-.067156	.0471155
cohort2000	-.0093923	.0049183	-1.91	0.062	-.0192571	.0004725
cohort2001	-.0094503	.0078307	-1.21	0.233	-.0251566	.006256
cohort2002	-.0104143	.0115883	-0.90	0.373	-.0336575	.0128289
cohort2003	.0414362	.0228076	1.82	0.075	-.0043101	.0871824
cohort2004	.0333288	.0186297	1.79	0.079	-.0040377	.0706952
award_b4_tsd	.0168926	.0108461	1.56	0.125	-.004862	.0386471
diaward_tsd	-.0004584	.0003395	-1.35	0.183	-.0011393	.0002225
epeb4twp_flag	-.0536206	.1408156	-0.38	0.705	-.336061	.2288197
ldwb4twp_flag	.5967144	.1255426	4.75	0.000	.3449079	.848521
ldwb4epe_flag	.3441318	.0413849	8.32	0.000	.2611242	.4271393
twpb4tsd	-.0694842	.0086306	-8.05	0.000	-.0867951	-.0521734
epeb4tsd	-.0667238	.004338	-15.38	0.000	-.0754246	-.0580229
ldwb4tsd	-.0326738	.0034988	-9.34	0.000	-.0396915	-.0256562
st_AL	.0268699	.00722	3.72	0.000	.0123884	.0413515
st_AR	-.0113979	.0071108	-1.60	0.115	-.0256603	.0028646
st_AZ	.0066531	.0073475	0.91	0.369	-.0080842	.0213903
st_CA	.0171293	.0070633	2.43	0.019	.0029621	.0312965
st_CO	-.0719926	.0072426	-9.94	0.000	-.0865193	-.0574658
st_CT	.0115389	.0070333	1.64	0.107	-.0025682	.025646
st_DC	-.0137456	.0074732	-1.84	0.071	-.028735	.0012438
st_DE	.0199662	.0070345	2.84	0.006	.0058568	.0340756
st_FL	.0131105	.0071861	1.82	0.074	-.001303	.027524
st_GA	-.0129178	.0072383	-1.78	0.080	-.0274359	.0016003
st_HI	-.0828616	.0075685	-10.95	0.000	-.0980421	-.0676811
st_IA	.0263406	.007267	3.62	0.001	.0117648	.0409164
st_ID	.0288874	.0076396	3.78	0.000	.0135644	.0442104
st_IL	-.019802	.0070979	-2.79	0.007	-.0340386	-.0055653
st_IN	-.009898	.0070015	-1.41	0.163	-.0239413	.0041453
st_KS	.0188671	.0069985	2.70	0.009	.00483	.0329043
st_KY	-.0195054	.0070553	-2.76	0.008	-.0336564	-.0053543
st_LA	-.0020928	.0071254	-0.29	0.770	-.0163844	.0121989
st_MA	.0450107	.0071588	6.29	0.000	.030652	.0593694
st_MD	.0430552	.0071264	6.04	0.000	.0287614	.057349
st_ME	-.0842199	.0073631	-11.44	0.000	-.0989883	-.0694514
st_MI	-.0074043	.0070639	-1.05	0.299	-.0215726	.006764
st_MN	.0021806	.007143	0.31	0.761	-.0121464	.0165076
st_MO	-.0040242	.0070342	-0.57	0.570	-.018133	.0100846
st_MS	-.0191193	.0071525	-2.67	0.010	-.0334654	-.0047733
st_MT	-.0136765	.0070685	-1.93	0.058	-.0278541	.0005012
st_NC	.0253955	.0072126	3.52	0.001	.0109288	.0398622
st_ND	-.0032161	.0070937	-0.45	0.652	-.0174444	.0110121
st_NE	-.0196715	.0073257	-2.69	0.010	-.0343649	-.0049781
st_NH	.0441848	.0069841	6.33	0.000	.0301764	.0581932
st_NJ	.0003829	.0071072	0.05	0.957	-.0138723	.0146381
st_NM	-.0006574	.0072951	-0.09	0.929	-.0152895	.0139747
st_NV	.0039843	.0071212	0.56	0.578	-.010299	.0182676

st_NY	.0138349	.0070955	1.95	0.056	-.000397	.0280667
st_OH	-.0556419	.0070251	-7.92	0.000	-.0697324	-.0415513
st_OK	.0436171	.0070867	6.15	0.000	.0294029	.0578313
st_OR	.0295828	.0071376	4.14	0.000	.0152667	.043899
st_PA	-.0293211	.0070472	-4.16	0.000	-.0434559	-.0151863
st_PR	-.0513269	.0081706	-6.28	0.000	-.0677151	-.0349388
st_RI	.1332334	.0112669	11.83	0.000	.110635	.1558319
st_SC	-.0585852	.0072213	-8.11	0.000	-.0730693	-.0441012
st_SD	-.0164097	.0070705	-2.32	0.024	-.0305913	-.0022282
st_TN	-.0154341	.0071034	-2.17	0.034	-.0296818	-.0011865
st_TX	-.0136475	.0071654	-1.90	0.062	-.0280194	-.0007245
st_UT	-.0535859	.0073783	-7.26	0.000	-.068385	-.0387868
st_VA	.0006895	.0070879	0.10	0.923	-.0135269	.014906
st_VT	.0558837	.0076093	7.34	0.000	.0406214	.0711459
st_WA	.0364739	.0071337	5.11	0.000	.0221655	.0507823
st_WI	-.0133376	.007097	-1.88	0.066	-.0275724	.0008973
st_WV	.0312583	.0071267	4.39	0.000	.016964	.0455527
st_WY	.2136588	.0075953	28.13	0.000	.1984245	.2288931
pial	.0000424	.0000117	3.64	0.001	.000019	.0000658
pia_miss	.0307634	.0082401	3.73	0.000	.0142357	.047291
ime1	-.0000142	3.00e-06	-4.73	0.000	-.0000202	-8.17e-06
ime_miss	-.0452028	.0032465	-13.92	0.000	-.0517143	-.0386912
_cons	.3199242	.0169901	18.83	0.000	.2858464	.3540021

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

twproll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0021927	.0026851	-0.82	0.418	-.0075783 .0031928

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0021927

twproll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-1.17e-17	.0026851	-0.00	1.000	-.0053856 .0053856

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 53) = 1.39
Prob > F = 0.2180

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 53) = 0.67
Prob > F = 0.4178

(1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0

(2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
 (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
 (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
 (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
 (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
 (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 53) = 0.94
 Prob > F = 0.4826

N:\Secure_Data-
 DC1\08977_TTW_Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.0514
 Root MSE = .28534

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	-.0001645	.0030858	-0.05	0.958	-.0063539	.0060248
imm12_adj	.0024103	.0019719	1.22	0.227	-.0015449	.0063654
imm13_adj	.0046184	.0023489	1.97	0.055	-.000093	.0093298
imm14_adj	-.0009879	.0031297	-0.32	0.754	-.0072652	.0052895
imm15_adj	.0011698	.0032103	0.36	0.717	-.0052693	.0076089
imm16_adj	-.0005035	.0023051	-0.22	0.828	-.0051269	.0041199
imm17_adj	-.0046049	.0035737	-1.29	0.203	-.0117728	.002563
imm18_adj	-.0008736	.0029997	-0.29	0.772	-.0068903	.005143
imm19_adj	.0005496	.0031397	0.18	0.862	-.0057478	.0068469
male	.0013403	.0020897	0.64	0.524	-.0028512	.0055317
gendermiss_flag	-.3193103	.0148143	-21.55	0.000	-.349024	-.2895966
tsd_age	-.0033454	.0003826	-8.74	0.000	-.0041128	-.0025779
doage2	-.0000627	.000246	-0.26	0.800	-.0005561	.0004306
doage2miss_flag	-.1366407	.0115365	-11.84	0.000	-.1597799	-.1135015
race_a	.0056293	.0134111	0.42	0.676	-.02127	.0325285
race_b	.0159991	.0019264	8.31	0.000	.0121352	.019863
race_h	-.0009871	.0061582	-0.16	0.873	-.0133388	.0113647
race_i	-.0011725	.0142396	-0.08	0.935	-.0297335	.0273885
race_o	.0036446	.0182601	0.20	0.843	-.0329805	.0402697
race_mis	-.0092366	.0066149	-1.40	0.168	-.0225044	.0040312
tsd_edu_hs	.003786	.0024479	1.55	0.128	-.001124	.0086959
tsd_edu_mrhs	.032644	.0042196	7.74	0.000	.0241805	.0411075
tsd_edu_mis	.0071004	.0024392	2.91	0.005	.0022079	.0119929
tsd_mie_exp	.0130297	.0052944	2.46	0.017	.0024105	.023649
tsd_mie_mis	-.0027883	.0024037	-1.16	0.251	-.0076094	.0020329
tsd_mie_psbl	.0120451	.0030677	3.93	0.000	.005892	.0181982
tsd_medicare	-.0318947	.0032383	-9.85	0.000	-.03839	-.0253994
tsd_medicare_miss	-.0612005	.0093067	-6.58	0.000	-.0798674	-.0425336
tsd_depend_1	-.0062048	.0032431	-1.91	0.061	-.0127098	.0003001
tsd_depend_2	.0055172	.0025198	2.19	0.033	.000463	.0105713
tsd_depend_miss	-.0505813	.0057183	-8.85	0.000	-.0620507	-.0391119
tsd_vrpr	-.0853509	.0067233	-12.69	0.000	-.098836	-.0718657
tsd_vrpr_miss	-.1449631	.007335	-19.76	0.000	-.1596752	-.1302511
pdcgrou2	-.0256144	.0047434	-5.40	0.000	-.0351285	-.0161003
pdcgrou3	-.013953	.0057618	-2.42	0.019	-.0255097	-.0023963
pdcgrou4	-.0201714	.0047803	-4.22	0.000	-.0297595	-.0105834
pdcgrou5	-.0255503	.0285646	-0.89	0.375	-.0828437	.0317431
cohort2000	-.0102812	.0050897	-2.02	0.048	-.0204899	-.0000725

cohort2001	-.0127039	.0078191	-1.62	0.110	-.028387	.0029792
cohort2002	-.0146772	.0115701	-1.27	0.210	-.0378839	.0085294
cohort2003	.0387802	.0239639	1.62	0.112	-.0092853	.0868457
cohort2004	.0407753	.0251324	1.62	0.111	-.0096334	.0911846
award_b4_tsd	.0213354	.0114854	1.86	0.069	-.0017013	.0443721
diaward_tsd	-.00052	.0003579	-1.45	0.152	-.0012379	.0001979
epeb4twp_flag	.1091048	.0634384	1.72	0.091	-.0181365	.2363461
ldwb4twp_flag	.723179	.1103079	6.56	0.000	.5019294	.9444286
ldwb4epe_flag	.3809033	.039414	9.66	0.000	.3018489	.4599577
twpb4tsd	-.0846837	.008544	-9.91	0.000	-.1018208	-.0675465
epeb4tsd	-.0764078	.0049521	-15.43	0.000	-.0863405	-.0664751
ldwb4tsd	-.0384175	.0040285	-9.54	0.000	-.0464977	-.0303374
st_AL	.0046348	.0089927	0.52	0.608	-.0134022	.0226718
st_AR	-.0189392	.0088578	-2.14	0.037	-.0367057	-.0011727
st_AZ	.0159528	.0090325	1.77	0.083	-.0021641	.0340697
st_CA	-.0046048	.0088468	-0.52	0.605	-.0223493	.0131397
st_CO	-.0388493	.0089554	-4.34	0.000	-.0568116	-.020887
st_CT	.0068	.0087778	0.77	0.442	-.0108061	.0244062
st_DC	-.0185002	.0091766	-2.02	0.049	-.0369061	-.0000944
st_DE	-.0007885	.0088236	-0.09	0.929	-.0184864	.0169093
st_FL	.0116559	.0089464	1.30	0.198	-.0062883	.0296
st_GA	-.0243067	.008944	-2.72	0.009	-.0422462	-.0063673
st_HI	-.1034997	.0091475	-11.31	0.000	-.1218472	-.0851521
st_IA	.045444	.0089737	5.06	0.000	.0274451	.0634429
st_ID	.0097396	.0092562	1.05	0.297	-.008826	.0283052
st_IL	-.0063275	.0088492	-0.72	0.478	-.0240767	.0114218
st_IN	-.0128491	.0087978	-1.46	0.150	-.0304952	.004797
st_KS	.0123116	.008776	1.40	0.166	-.0052907	.029914
st_KY	-.0267886	.0088225	-3.04	0.004	-.0444843	-.0090929
st_LA	-.0078464	.0088501	-0.89	0.379	-.0255974	.0099046
st_MA	.0660907	.008971	7.37	0.000	.0480972	.0840842
st_MD	.022651	.0089041	2.54	0.014	.0047917	.0405104
st_ME	-.1053802	.0092407	-11.40	0.000	-.1239147	-.0868457
st_MI	-.0167904	.0088054	-1.91	0.062	-.0344518	.000871
st_MN	-.0203345	.0089902	-2.26	0.028	-.0383667	-.0023024
st_MO	-.0088604	.0088114	-1.01	0.319	-.0265339	.0088131
st_MS	-.028345	.0089056	-3.18	0.002	-.0462075	-.0104826
st_MT	-.017383	.0088473	-1.96	0.055	-.0351285	.0003624
st_NC	.0034279	.008975	0.38	0.704	-.0145736	.0214295
st_ND	-.0172702	.0088722	-1.95	0.057	-.0350656	.0005253
st_NE	-.0493545	.0092051	-5.36	0.000	-.0678176	-.0308915
st_NH	.0425736	.0087883	4.84	0.000	.0249465	.0602007
st_NJ	-.0076019	.0088532	-0.86	0.394	-.0253591	.0101553
st_NM	-.0074736	.0089889	-0.83	0.409	-.0255031	.0105559
st_NV	.0033512	.008835	0.38	0.706	-.0143695	.0210719
st_NY	.0137687	.0088288	1.56	0.125	-.0039395	.0314769
st_OH	-.0780473	.0087756	-8.89	0.000	-.0956488	-.0604457
st_OK	.0596062	.0088444	6.74	0.000	.0418666	.0773457
st_OR	.0384998	.0088345	4.36	0.000	.0207802	.0562195
st_PA	-.0511152	.0087537	-5.84	0.000	-.0686728	-.0335576
st_PR	-.0680871	.0098732	-6.90	0.000	-.0878901	-.048284
st_RI	.1195121	.0124832	9.57	0.000	.094474	.1445503
st_SC	-.0642165	.0090101	-7.13	0.000	-.0822884	-.0461446
st_SD	-.020729	.0087948	-2.36	0.022	-.0383692	-.0030887
st_TN	-.0266492	.0088774	-3.00	0.004	-.044455	-.0088434
st_TX	-.0164634	.0089917	-1.83	0.073	-.0344986	.0015717
st_UT	-.0664076	.0091157	-7.28	0.000	-.0846914	-.0481238
st_VA	-.005502	.0088412	-0.62	0.536	-.0232351	.0122312
st_VT	.0361688	.009389	3.85	0.000	.0173368	.0550008
st_WA	.0136233	.0088855	1.53	0.131	-.0041987	.0314453
st_WI	-.0000851	.0089298	-0.01	0.992	-.0179961	.0178258
st_WV	.0097608	.0088772	1.10	0.277	-.0080445	.0275662
st_WY	.1833509	.0099321	18.46	0.000	.1634295	.2032722

pia1		.0000434	.0000116	3.75	0.000	.0000202	.0000666
pia_miss		.031398	.0100555	3.12	0.003	.0112292	.0515667
ime1		-.000016	3.13e-06	-5.13	0.000	-.0000223	-9.76e-06
ime_miss		-.0509854	.004338	-11.75	0.000	-.0596863	-.0422844
_cons		.3967654	.0199771	19.86	0.000	.3566964	.4368345

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

twproll48		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)		-.0016136	.0027388	-0.59	0.558	-.0071069 .0038797

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0016136

twproll48		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)		4.21e-17	.0027388	0.00	1.000	-.0054933 .0054933

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 53) = 1.50
 Prob > F = 0.1717

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 53) = 0.35
 Prob > F = 0.5583

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 53) = 1.20
 Prob > F = 0.3192

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression
 Number of obs = 77161
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.2926

Root MSE = .1347

(Std. Err. adjusted for 54 clusters in tsd_state)

-----		Robust				
-----	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
-----	-----	-----	-----	-----	-----	-----
imm10_adj	.0032893	.0010597	3.10	0.003	.0011638	.0054148
imm12_adj	.0032226	.0013971	2.31	0.025	.0004237	.0060282
imm13_adj	.0026292	.0013849	1.90	0.063	-.0001485	.0054069
imm14_adj	.0012302	.0015224	0.81	0.423	-.0018233	.0042838
imm15_adj	.0005887	.0010821	0.54	0.589	-.0015818	.0027591
imm16_adj	-.0000663	.0014008	-0.05	0.962	-.0028759	.0027433
imm17_adj	-.0014378	.0011907	-1.21	0.233	-.0038261	.0009505
imm18_adj	-.0041655	.0014177	-2.94	0.005	-.0070092	-.0013219
imm19_adj	-.0021574	.0015531	-1.39	0.171	-.0052725	.0009578
male	-.000613	.0008488	-0.72	0.473	-.0023154	.0010895
gendermiss_flag	.5753612	.0141466	40.67	0.000	.5469867	.6037357
tsd_age	-.000297	.0001642	-1.81	0.076	-.0006263	.0000323
doage2	-2.96e-06	.0000967	-0.03	0.976	-.0001969	.000191
doage2miss_flag	-.0140681	.0044672	-3.15	0.003	-.0230282	-.005108
race_a	.0105674	.0055319	1.91	0.062	-.0005282	.021663
race_b	.0005578	.0009317	0.60	0.552	-.0013109	.0024265
race_h	-.0025871	.0038681	-0.67	0.507	-.0103456	.0051713
race_i	.001098	.0063214	0.17	0.863	-.011581	.0137771
race_o	.0130736	.010076	1.30	0.200	-.0071364	.0332836
race_mis	.0027519	.0048067	0.57	0.569	-.0068891	.012393
tsd_edu_hs	.0018792	.0011523	1.63	0.109	-.000432	.0041903
tsd_edu_mrhs	.0041218	.0012319	3.35	0.002	.0016509	.0065927
tsd_edu_mis	.0038987	.0008401	4.64	0.000	.0022137	.0055837
tsd_mie_exp	.0020066	.0024788	0.81	0.422	-.0029653	.0069786
tsd_mie_mis	.0008023	.0012648	0.63	0.529	-.0017346	.0033391
tsd_mie_psbl	.0014541	.0009098	1.60	0.116	-.0003707	.0032789
tsd_medicare	-.0008667	.0013067	-0.66	0.510	-.0034877	.0017543
tsd_medicare_miss	-.0034539	.0032442	-1.06	0.292	-.0099609	.003053
tsd_depend_1	-.0034226	.0013112	-2.61	0.012	-.0060526	-.0007927
tsd_depend_2	-.0022424	.0014374	-1.56	0.125	-.0051254	.0006405
tsd_depend_miss	.0004014	.0042162	0.10	0.925	-.0080552	.008858
tsd_vrpr	-.3855657	.0171472	-22.49	0.000	-.4199587	-.3511728
tsd_vrpr_miss	-.4065621	.0149251	-27.24	0.000	-.436498	-.3766262
pdcgrou2	-.0033932	.0024217	-1.40	0.167	-.0082505	.0014641
pdcgrou3	-.0010496	.0017152	-0.61	0.543	-.0044899	.0023907
pdcgrou4	-.0007144	.0017902	-0.40	0.691	-.004305	.0028762
pdcgrou5	-.0039314	.0126704	-0.31	0.758	-.029345	.0214822
cohort2000	.0005002	.0023043	0.22	0.829	-.0041215	.005122
cohort2001	.003919	.003441	1.14	0.260	-.0029828	.0108208
cohort2002	.0038589	.0052174	0.74	0.463	-.006606	.0143237
cohort2003	-.0093369	.0073626	-1.27	0.210	-.0241043	.0054306
cohort2004	-.0362141	.0080232	-4.51	0.000	-.0523065	-.0201216
award_b4_tsd	.0083902	.0042888	1.96	0.056	-.000212	.0169924
diaward_tsd	.0000538	.0001356	0.40	0.693	-.0002181	.0003258
epeb4twp_flag	-.0918488	.0483809	-1.90	0.063	-.1888886	.005191
ldwb4twp_flag	.0860216	.0429804	2.00	0.050	-.0001862	.1722294
ldwb4epe_flag	.014915	.0140493	1.06	0.293	-.0132642	.0430943
twpb4tsd	.0043918	.0013751	3.19	0.002	.0016337	.00715
epeb4tsd	-.0008425	.0034182	-0.25	0.806	-.0076986	.0060135
ldwb4tsd	-.0006618	.0049028	-0.13	0.893	-.0104955	.0091719
st_AL	.0200267	.0016322	12.27	0.000	.0167528	.0233005
st_AR	.0128085	.0011951	10.72	0.000	.0104114	.0152056
st_AZ	.0111451	.0012277	9.08	0.000	.0086828	.0136075
st_CA	.028559	.0015619	18.28	0.000	.0254263	.0316918
st_CO	.0117519	.0013173	8.92	0.000	.0091096	.0143942
st_CT	.0153744	.0010789	14.25	0.000	.0132105	.0175383

st_DC	-.0016048	.0012718	-1.26	0.213	-.0041557	.0009461
st_DE	.0007774	.0012962	0.60	0.551	-.0018224	.0033772
st_FL	.0027661	.0012616	2.19	0.033	.0002356	.0052965
st_GA	.0126006	.0011366	11.09	0.000	.0103209	.0148804
st_HI	.0029173	.0014476	2.02	0.049	.0000138	.0058207
st_IA	.0207487	.0013945	14.88	0.000	.0179517	.0235457
st_ID	.0033965	.0019438	1.75	0.086	-.0005022	.0072952
st_IL	.0038044	.0013481	2.82	0.007	.0011004	.0065084
st_IN	.0103832	.0011221	9.25	0.000	.0081326	.0126339
st_KS	.0063446	.0011183	5.67	0.000	.0041015	.0085877
st_KY	.0044744	.0011865	3.77	0.000	.0020946	.0068543
st_LA	.0164207	.0011778	13.94	0.000	.0140584	.018783
st_MA	.0037821	.0015222	2.48	0.016	.000729	.0068352
st_MD	.0198924	.0014518	13.70	0.000	.0169805	.0228043
st_ME	.0023958	.0017496	1.37	0.177	-.0011136	.0059051
st_MI	.0132841	.0010848	12.25	0.000	.0111082	.01546
st_MN	.0161019	.001794	8.98	0.000	.0125037	.0197002
st_MO	.0133196	.0011294	11.79	0.000	.0110543	.015585
st_MS	.0096019	.001218	7.88	0.000	.0071589	.0120448
st_MT	.0043467	.0010107	4.30	0.000	.0023195	.0063739
st_NC	.0022815	.0012105	1.88	0.065	-.0001465	.0047094
st_ND	.0123306	.0011795	10.45	0.000	.0099648	.0146963
st_NE	-.0924946	.0035482	-26.07	0.000	-.0996114	-.0853778
st_NH	.0094963	.0011803	8.05	0.000	.007129	.0118637
st_NJ	.0068961	.0011664	5.91	0.000	.0045566	.0092357
st_NM	.007197	.0014141	5.09	0.000	.0043608	.0100332
st_NV	.0110581	.0010877	10.17	0.000	.0088765	.0132397
st_NY	.0125267	.0012959	9.67	0.000	.0099276	.0151259
st_OH	.0003131	.0015789	0.20	0.844	-.0028537	.0034799
st_OK	.0383164	.0011887	32.23	0.000	.0359321	.0407006
st_OR	.0122547	.0012922	9.48	0.000	.009663	.0148465
st_PA	-.0084682	.0009645	-8.78	0.000	-.0104028	-.0065335
st_PR	-.0320316	.0035015	-9.15	0.000	-.0390547	-.0250086
st_RI	-.0026721	.0030304	-0.88	0.382	-.0087504	.0034062
st_SC	-.0051956	.0014274	-3.64	0.001	-.0080587	-.0023325
st_SD	.0227031	.0010215	22.23	0.000	.0206543	.024752
st_TN	.0166625	.00121	13.77	0.000	.0142356	.0190895
st_TX	.0286611	.0012771	22.44	0.000	.0260995	.0312226
st_UT	.0015058	.0021964	0.69	0.496	-.0028997	.0059112
st_VA	.0132141	.0011693	11.30	0.000	.0108687	.0155594
st_VT	.0203643	.0017995	11.32	0.000	.0167549	.0239737
st_WA	.0066691	.001292	5.16	0.000	.0040777	.0092605
st_WI	.0168056	.0014493	11.60	0.000	.0138988	.0197125
st_WV	-.0124438	.002101	-5.92	0.000	-.0166579	-.0082297
st_WY	.5332007	.0054417	97.98	0.000	.522286	.5441153
pial	8.38e-06	4.54e-06	1.85	0.070	-7.25e-07	.0000175
pia_miss	.0021717	.0057274	0.38	0.706	-.0093161	.0136594
ime1	-9.44e-07	1.37e-06	-0.69	0.495	-3.70e-06	1.81e-06
ime_miss	-.0042847	.0015505	-2.76	0.008	-.0073947	-.0011748
_cons	.4008585	.0173336	23.13	0.000	.3660918	.4356252

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

srvroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0031364	.0018026	-1.74	0.088	-.006752 .0004793

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0031364

srvroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	1.86e-17	.0018026	0.00	1.000	-.0036156	.0036156

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 53) = 5.19
 Prob > F = 0.0000

- (1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 53) = 3.03
 Prob > F = 0.0877

- (1) -.5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) -.5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) -.5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) -.5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) -.5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) -.5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) -.5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 53) = 0.87
 Prob > F = 0.5332

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.4543
 Root MSE = .15246

(Std. Err. adjusted for 54 clusters in tsd_state)

srvroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	.0039969	.0013282	3.01	0.004	.0013329	.0066609
imm12_adj	.0032592	.0014508	2.25	0.029	.0003493	.0061692
imm13_adj	-.0004487	.0014932	-0.30	0.765	-.0034437	.0025462
imm14_adj	.0006022	.0018386	0.33	0.745	-.0030857	.00429
imm15_adj	.0018263	.0016359	1.12	0.269	-.0014549	.0051076
imm16_adj	-.0018081	.0013343	-1.36	0.181	-.0044844	.0008681
imm17_adj	-.0013961	.0018236	-0.77	0.447	-.0050539	.0022616
imm18_adj	-.0060398	.0014056	-4.30	0.000	-.0088591	-.0032204
imm19_adj	.0004624	.001988	0.23	0.817	-.003525	.0044499
male	-.0005604	.0008879	-0.63	0.531	-.0023414	.0012206
gendermiss_flag	.3330666	.0133384	24.97	0.000	.3063132	.3598199

tsd_age	-.0008231	.0001838	-4.48	0.000	-.0011917	-.0004545
doage2	.0000175	.0001626	0.11	0.915	-.0003087	.0003437
doage2miss_flag	-.0381707	.0035373	-10.79	0.000	-.0452656	-.0310758
race_a	.0045552	.0047259	0.96	0.339	-.0049239	.0140342
race_b	.0008248	.0013267	0.62	0.537	-.0018363	.0034858
race_h	-.002776	.0038014	-0.73	0.468	-.0104006	.0048486
race_i	-.0041339	.0067392	-0.61	0.542	-.017651	.0093832
race_o	.0121884	.0113018	1.08	0.286	-.01048	.0348569
race_mis	.0068429	.0049583	1.38	0.173	-.0031021	.016788
tsd_edu_hs	.0040671	.0013072	3.11	0.003	.0014452	.006689
tsd_edu_mrhs	.0096991	.0021461	4.52	0.000	.0053946	.0140036
tsd_edu_mis	.0062619	.0014046	4.46	0.000	.0034447	.0090791
tsd_mie_exp	-.0043831	.0039964	-1.10	0.278	-.012399	.0036327
tsd_mie_mis	-.0029799	.0018926	-1.57	0.121	-.006776	.0008162
tsd_mie_psbl	-.0020854	.0016405	-1.27	0.209	-.0053757	.001205
tsd_medicare	-.0027383	.0015149	-1.81	0.076	-.0057768	.0003002
tsd_medicare_miss	-.0026937	.0041962	-0.64	0.524	-.0111101	.0057228
tsd_depend_1	-.0027636	.0013096	-2.11	0.040	-.0053904	-.0001368
tsd_depend_2	-.0016361	.0013299	-1.23	0.224	-.0043035	.0010313
tsd_depend_miss	-.0027712	.0049483	-0.56	0.578	-.0126963	.0071539
tsd_vrpr	-.6161006	.0149083	-41.33	0.000	-.6460028	-.5861984
tsd_vrpr_miss	-.6529375	.0115986	-56.29	0.000	-.6762013	-.6296737
pdcgrou2	-.0026183	.0025823	-1.01	0.315	-.0077977	.0025612
pdcgrou3	-.0023066	.0021228	-1.09	0.282	-.0065643	.0019512
pdcgrou4	.0006295	.0020086	0.31	0.755	-.0033992	.0046583
pdcgrou5	-.0128929	.0098854	-1.30	0.198	-.0327204	.0069347
cohort2000	-.0025895	.0020564	-1.26	0.213	-.0067142	.0015351
cohort2001	-.0045453	.0037699	-1.21	0.233	-.0121067	.0030161
cohort2002	-.007161	.0054062	-1.32	0.191	-.0180045	.0036825
cohort2003	-.0105787	.0096817	-1.09	0.279	-.0299977	.0088404
cohort2004	-.0517269	.0103688	-4.99	0.000	-.0725241	-.0309297
award_b4_tsd	.0005082	.0040057	0.13	0.900	-.0075263	.0085428
diaward_tsd	-.0002105	.0001671	-1.26	0.213	-.0005457	.0001247
epeb4twp_flag	-.1505986	.0755114	-1.99	0.051	-.3020552	.0008581
ldwb4twp_flag	.1259484	.0796956	1.58	0.120	-.0339008	.2857975
ldwb4epe_flag	.0285372	.0232624	1.23	0.225	-.0181212	.0751955
twpb4tsd	.0066767	.0026746	2.50	0.016	.0013122	.0120413
epeb4tsd	-.0032969	.0032081	-1.03	0.309	-.0097316	.0031377
ldwb4tsd	-.0070648	.0054493	-1.30	0.200	-.0179947	.0038651
st_AL	.018411	.001703	10.81	0.000	.0149953	.0218267
st_AR	.0016168	.0013747	1.18	0.245	-.0011406	.0043741
st_AZ	.0035198	.0015167	2.32	0.024	.0004777	.0065619
st_CA	.0309087	.0016326	18.93	0.000	.0276341	.0341832
st_CO	.0210617	.001545	13.63	0.000	.0179628	.0241606
st_CT	.0073875	.0012619	5.85	0.000	.0048563	.0099186
st_DC	-.0119132	.0015671	-7.60	0.000	-.0150564	-.00877
st_DE	.0086021	.0014561	5.91	0.000	.0056817	.0115226
st_FL	.0168297	.0013343	12.61	0.000	.0141535	.019506
st_GA	.0044159	.0013221	3.34	0.002	.0017642	.0070676
st_HI	-.0102718	.0018194	-5.65	0.000	-.0139211	-.0066225
st_IA	.0252362	.0014659	17.22	0.000	.022296	.0281763
st_ID	-.0128273	.0019668	-6.52	0.000	-.0167722	-.0088825
st_IL	-.0015444	.0017058	-0.91	0.369	-.0049659	.0018771
st_IN	.0005552	.0013365	0.42	0.679	-.0021254	.0032359
st_KS	.0035477	.0013935	2.55	0.014	.0007527	.0063428
st_KY	-.0039723	.0013226	-3.00	0.004	-.006625	-.0013196
st_LA	.0092619	.0013948	6.64	0.000	.0064643	.0120594
st_MA	-.0070959	.0017153	-4.14	0.000	-.0105363	-.0036555
st_MD	.0163484	.0016627	9.83	0.000	.0130134	.0196834
st_ME	-.0158672	.0018621	-8.52	0.000	-.019602	-.0121323
st_MI	.0057811	.0012684	4.56	0.000	.0032369	.0083252
st_MN	.0027161	.0020907	1.30	0.200	-.0014774	.0069096
st_MO	.0035947	.0013484	2.67	0.010	.0008902	.0062991

st_MS	.001075	.0014642	0.73	0.466	-.0018619	.0040119
st_MT	.0008669	.0012756	0.68	0.500	-.0016916	.0034253
st_NC	-.0162488	.001322	-12.29	0.000	-.0189004	-.0135972
st_ND	-.0122016	.0014691	-8.31	0.000	-.0151484	-.0092549
st_NE	.053103	.002861	18.56	0.000	.0473645	.0588414
st_NH	-.0022889	.0013444	-1.70	0.095	-.0049854	.0004076
st_NJ	-.0025706	.0013875	-1.85	0.069	-.0053535	.0002124
st_NM	-.006859	.0015962	-4.30	0.000	-.0100605	-.0036575
st_NV	.0003236	.0013402	0.24	0.810	-.0023644	.0030117
st_NY	.0118489	.0014477	8.18	0.000	.0089451	.0147527
st_OH	-.0015097	.0016481	-0.92	0.364	-.0048154	.0017959
st_OK	.0399922	.0014137	28.29	0.000	.0371566	.0428277
st_OR	-.0146358	.0017772	-8.24	0.000	-.0182005	-.0110711
st_PA	-.038166	.0014037	-27.19	0.000	-.0409816	-.0353504
st_PR	-.0742912	.0033656	-22.07	0.000	-.0810418	-.0675406
st_RI	-.0204713	.0033636	-6.09	0.000	-.0272177	-.0137248
st_SC	-.003991	.0015252	-2.62	0.012	-.0070503	-.0009318
st_SD	.0353665	.0013015	27.17	0.000	.032756	.0379769
st_TN	.0116464	.0013698	8.50	0.000	.0088988	.0143939
st_TX	.0130697	.0014401	9.08	0.000	.0101813	.0159581
st_UT	-.017324	.002536	-6.83	0.000	-.0224106	-.0122375
st_VA	.0064814	.0013644	4.75	0.000	.0037446	.0092181
st_VT	-.0050849	.0018625	-2.73	0.009	-.0088206	-.0013492
st_WA	.003905	.0012898	3.03	0.004	.0013181	.006492
st_WI	.0080944	.0015986	5.06	0.000	.004888	.0113008
st_WV	-.0378444	.0024087	-15.71	0.000	-.0426757	-.0330131
st_WY	.4336467	.0037801	114.72	0.000	.4260648	.4412287
pial	6.01e-06	5.81e-06	1.03	0.306	-5.65e-06	.0000177
pia_miss	-.000108	.0070937	-0.02	0.988	-.0143363	.0141202
ime1	-9.13e-07	1.68e-06	-0.54	0.590	-4.29e-06	2.46e-06
ime_miss	-.0023773	.0024045	-0.99	0.327	-.0072	.0024455
_cons	.6899748	.0151545	45.53	0.000	.6595786	.7203709

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

srvroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0004543	.001964	-0.23	0.818	-.0043935 .0034849

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0004543

srvroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	2.78e-17	.001964	0.00	1.000	-.0039392 .0039392

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 53) = 4.85

Prob > F = 0.0001

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj +
imm17_adj + imm18_adj + imm19_adj = 0

F(1, 53) = 0.05
Prob > F = 0.8180

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 53) = 2.36
Prob > F = 0.0354

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH2_nounemp.xls
dir : seeout

Linear regression

Number of obs = 77161
F(52, 53) = .
Prob > F = .
R-squared = 0.5668
Root MSE = .15394

(Std. Err. adjusted for 54 clusters in tsd_state)

-----	-----	-----	-----	-----	-----	-----
srvroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
-----	-----	-----	-----	-----	-----	-----
imm10_adj	.0019124	.0012074	1.58	0.119	-.0005094	.0043342
imm12_adj	.0028733	.0016167	1.78	0.081	-.0003693	.0061159
imm13_adj	-.0015692	.0014349	-1.09	0.279	-.0044473	.0013088
imm14_adj	-.0006388	.0014583	-0.44	0.663	-.0035638	.0022863
imm15_adj	.0002326	.002306	0.10	0.920	-.0043927	.0048579
imm16_adj	-.000305	.0015438	-0.20	0.844	-.0034015	.0027915
imm17_adj	.0000185	.0020221	0.01	0.993	-.0040373	.0040742
imm18_adj	-.0033764	.0011246	-3.00	0.004	-.0056322	-.0011206
imm19_adj	.0010261	.001614	0.64	0.528	-.0022111	.0042633
male	.0005465	.0007508	0.73	0.470	-.0009594	.0020524
gendermiss_flag	.1529644	.0106183	14.41	0.000	.1316667	.1742621
tsd_age	-.0009019	.0001883	-4.79	0.000	-.0012795	-.0005242
doage2	-.0000236	.0001193	-0.20	0.844	-.0002629	.0002157
doage2miss_flag	-.0511464	.0042783	-11.95	0.000	-.0597276	-.0425651
race_a	.0017047	.0046462	0.37	0.715	-.0076143	.0110237
race_b	.0008054	.0012668	0.64	0.528	-.0017355	.0033464
race_h	-.0030671	.0038323	-0.80	0.427	-.0107538	.0046196
race_i	-.0056483	.0055543	-1.02	0.314	-.0167888	.0054921
race_o	.0065181	.0113158	0.58	0.567	-.0161786	.0292148
race_mis	.0047195	.0051618	0.91	0.365	-.0056338	.0150728
tsd_edu_hs	.0066692	.0015654	4.26	0.000	.0035294	.0098091
tsd_edu_mrhs	.0130173	.002478	5.25	0.000	.0080471	.0179875
tsd_edu_mis	.0078145	.0016315	4.79	0.000	.0045421	.0110868
tsd_mie_exp	-.0068003	.0040726	-1.67	0.101	-.014969	.0013683
tsd_mie_mis	-.0033775	.001864	-1.81	0.076	-.0071163	.0003612
tsd_mie_psbl	-.0043564	.0015333	-2.84	0.006	-.0074319	-.0012809
tsd_medicare	-.0041836	.0016453	-2.54	0.014	-.0074837	-.0008835
tsd_medicare_miss	-.0033266	.0046697	-0.71	0.479	-.0126929	.0060397
tsd_depend_1	-.0040954	.0013703	-2.99	0.004	-.0068438	-.001347

tsd_depend_2	-.0024707	.001634	-1.51	0.136	-.0057481	.0008068
tsd_depend_miss	-.013864	.0053689	-2.58	0.013	-.0246328	-.0030953
tsd_vrpr	-.7776231	.0140412	-55.38	0.000	-.8057862	-.74946
tsd_vrpr_miss	-.8264135	.0090135	-91.69	0.000	-.8444923	-.8083347
pdcgrou2	-.0035656	.0021318	-1.67	0.100	-.0078414	.0007102
pdcgrou3	-.0001256	.0020626	-0.06	0.952	-.0042626	.0040113
pdcgrou4	.003267	.0018891	1.73	0.090	-.0005221	.007056
pdcgrou5	-.0296092	.0096604	-3.07	0.003	-.0489855	-.0102329
cohort2000	-.0000469	.0018909	-0.02	0.980	-.0038396	.0037458
cohort2001	-.0015004	.0039063	-0.38	0.702	-.0093354	.0063347
cohort2002	-.0026495	.0052233	-0.51	0.614	-.0131261	.0078272
cohort2003	-.0018834	.0107217	-0.18	0.861	-.0233884	.0196215
cohort2004	-.0402527	.013973	-2.88	0.006	-.068279	-.0122265
award_b4_tsd	.0024393	.005669	0.43	0.669	-.0089312	.0138098
diaward_tsd	-.0002047	.000127	-1.61	0.113	-.0004595	.0000501
epeb4twp_flag	-.1754961	.084538	-2.08	0.043	-.3450578	-.0059345
ldwb4twp_flag	.1074054	.0720363	1.49	0.142	-.0370811	.2518918
ldwb4epe_flag	.0468192	.0265685	1.76	0.084	-.0064705	.001089
twpb4tsd	.0039801	.0027311	1.46	0.151	-.0014977	.0094579
epeb4tsd	.0038749	.003451	1.12	0.267	-.0030469	.0107967
ldwb4tsd	-.0116041	.0044613	-2.60	0.012	-.0205523	-.002656
st_AL	.0156733	.0020828	7.53	0.000	.0114957	.0198509
st_AR	.0007426	.0019213	0.39	0.701	-.0031111	.0045963
st_AZ	.007443	.0020462	3.64	0.001	.0033389	.0115471
st_CA	.0149357	.0019452	7.68	0.000	.0110341	.0188372
st_CO	.0318598	.0019406	16.42	0.000	.0279674	.0357521
st_CT	.0082997	.0017363	4.78	0.000	.0048171	.0117823
st_DC	-.0123665	.0020836	-5.94	0.000	-.0165457	-.0081874
st_DE	-.0031924	.0021039	-1.52	0.135	-.0074123	.0010274
st_FL	.0210468	.0019245	10.94	0.000	.0171866	.0249069
st_GA	.0042868	.0019431	2.21	0.032	.0003894	.0081843
st_HI	-.0140976	.0022224	-6.34	0.000	-.0185552	-.00964
st_IA	.04041	.0020132	20.07	0.000	.036372	.044448
st_ID	-.0157373	.0020072	-7.84	0.000	-.0197632	-.0117114
st_IL	.0078404	.0022095	3.55	0.001	.0034087	.0122722
st_IN	-.0007745	.0017887	-0.43	0.667	-.0043621	.0028132
st_KS	.005108	.0017274	2.96	0.005	.0016432	.0085728
st_KY	-.0046334	.0018504	-2.50	0.015	-.0083449	-.000922
st_LA	.0102691	.0020952	4.90	0.000	.0060667	.0144716
st_MA	.0072805	.0022366	3.26	0.002	.0027944	.0117666
st_MD	-.0043868	.0019411	-2.26	0.028	-.0082802	-.0004935
st_ME	-.0236618	.0022148	-10.68	0.000	-.0281042	-.0192195
st_MI	.0080821	.0018188	4.44	0.000	.0044341	.01173
st_MN	.0090622	.0021192	4.28	0.000	.0048117	.0133127
st_MO	.0102418	.0017489	5.86	0.000	.006734	.0137497
st_MS	.0007853	.0021911	0.36	0.721	-.0036095	.00518
st_MT	.0006636	.0016438	0.40	0.688	-.0026334	.0039606
st_NC	-.0200526	.0017794	-11.27	0.000	-.0236216	-.0164836
st_ND	-.0137858	.0018865	-7.31	0.000	-.0175696	-.010002
st_NE	.0055893	.0025333	2.21	0.032	.0005082	.0106704
st_NH	-.0082849	.0017974	-4.61	0.000	-.0118901	-.0046797
st_NJ	-.0068967	.0019298	-3.57	0.001	-.0107674	-.003026
st_NM	-.0122744	.0019398	-6.33	0.000	-.0161651	-.0083837
st_NV	-.0036749	.0018405	-2.00	0.051	-.0073666	.0000168
st_NY	.0141507	.0020278	6.98	0.000	.0100835	.018218
st_OH	-.0111029	.0019272	-5.76	0.000	-.0149684	-.0072375
st_OK	.0522542	.0018337	28.50	0.000	.0485764	.0559321
st_OR	-.0075706	.0023304	-3.25	0.002	-.0122447	-.0028964
st_PA	-.0413338	.0018202	-22.71	0.000	-.0449847	-.0376829
st_PR	-.1025912	.0036768	-27.90	0.000	-.109966	-.0952164
st_RI	-.0242661	.002888	-8.40	0.000	-.0300586	-.0184736
st_SC	.006212	.0022479	2.76	0.008	.0017032	.0107208
st_SD	.0531501	.001618	32.85	0.000	.0499048	.0563955

st_TN	.0150316	.0019296	7.79	0.000	.0111613	.0189019
st_TX	.0122536	.0018482	6.63	0.000	.0085465	.0159606
st_UT	-.0241917	.0030486	-7.94	0.000	-.0303065	-.018077
st_VA	.0047218	.0019369	2.44	0.018	.0008369	.0086068
st_VT	-.0177702	.0020862	-8.52	0.000	-.0219546	-.0135859
st_WA	-.0121409	.0017709	-6.86	0.000	-.0156929	-.0085888
st_WI	.0374363	.0020403	18.35	0.000	.033344	.0415286
st_WV	-.0505503	.002934	-17.23	0.000	-.0564352	-.0446654
st_WY	.3675111	.0024714	148.71	0.000	.3625542	.372468
pial	-6.28e-07	6.61e-06	-0.09	0.925	-.0000139	.0000126
pia_miss	.0097251	.0085636	1.14	0.261	-.0074512	.0269015
ime1	6.02e-10	1.95e-06	0.00	1.000	-3.90e-06	3.90e-06
ime_miss	-.0019392	.002745	-0.71	0.483	-.0074449	.0035665
_cons	.8685253	.0134007	64.81	0.000	.8416469	.8954036

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

srvroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0001734	.0017527	-0.10	0.922	-.003689 .0033421

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0001734

srvroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	4.27e-17	.0017527	0.00	1.000	-.0035155 .0035155

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 53) = 2.08
Prob > F = 0.0483

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 53) = 0.01
Prob > F = 0.9216

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 53) = 1.93
Prob > F = 0.0825

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.6217
 Root MSE = .15471

(Std. Err. adjusted for 54 clusters in tsd_state)

-----	-----					
srvroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
-----	-----	-----	-----	-----	-----	-----
imm10_adj	.0024813	.0015542	1.60	0.116	-.0006361	.0055988
imm12_adj	.0022467	.0014477	1.55	0.127	-.0006571	.0051505
imm13_adj	-.0012197	.0012598	-0.97	0.337	-.0037465	.0013071
imm14_adj	.0002388	.0012703	0.19	0.852	-.0023091	.0027867
imm15_adj	-.0010731	.0019997	-0.54	0.594	-.005084	.0029379
imm16_adj	-.0018996	.0014671	-1.29	0.201	-.0048423	.0010431
imm17_adj	.0007441	.0020221	0.37	0.714	-.0033118	.0048
imm18_adj	-.0030748	.0013854	-2.22	0.031	-.0058536	-.000296
imm19_adj	.0012934	.0013564	0.95	0.345	-.0014272	.004014
male	-.0002438	.0009253	-0.26	0.793	-.0020998	.0016122
gendermiss_flag	.0456259	.008481	5.38	0.000	.0286151	.0626367
tsd_age	-.0008403	.0002432	-3.45	0.001	-.0013281	-.0003524
doage2	-.0001446	.0001631	-0.89	0.379	-.0004719	.0001826
doage2miss_flag	-.0630452	.0040454	-15.58	0.000	-.0711592	-.0549312
race_a	-.0031781	.0057639	-0.55	0.584	-.014739	.0083827
race_b	.0010879	.0011694	0.93	0.356	-.0012576	.0034335
race_h	-.0012272	.0027657	-0.44	0.659	-.0067744	.00432
race_i	.0077079	.007314	1.05	0.297	-.0069621	.0223779
race_o	-.0012637	.0105462	-0.12	0.905	-.0224166	.0198893
race_mis	.0016438	.0062769	0.26	0.794	-.0109459	.0142336
tsd_edu_hs	.0079027	.0015236	5.19	0.000	.0048466	.0109587
tsd_edu_mrhs	.0158184	.0024282	6.51	0.000	.0109479	.0206888
tsd_edu_mis	.0079725	.0011837	6.74	0.000	.0055983	.0103466
tsd_mie_exp	-.0077502	.0040357	-1.92	0.060	-.0158448	.0003445
tsd_mie_mis	-.004021	.002314	-1.74	0.088	-.0086624	.0006203
tsd_mie_psbl	-.0059629	.0020579	-2.90	0.005	-.0100906	-.0018352
tsd_medicare	-.006044	.0016258	-3.72	0.000	-.009305	-.002783
tsd_medicare_miss	-.0074255	.0039395	-1.88	0.065	-.0153272	.0004762
tsd_depend_1	-.0040583	.0009935	-4.08	0.000	-.006051	-.0020657
tsd_depend_2	-.0023722	.0008158	-2.91	0.005	-.0040085	-.000736
tsd_depend_miss	-.0151232	.0048154	-3.14	0.003	-.0247816	-.0054648
tsd_vrpr	-.8710369	.0103673	-84.02	0.000	-.8918311	-.8502428
tsd_vrpr_miss	-.9305005	.0052933	-175.79	0.000	-.9411175	-.9198836
pdcgroup2	-.0032761	.0020858	-1.57	0.122	-.0074598	.0009076
pdcgroup3	-.0019251	.0022794	-0.84	0.402	-.006497	.0026469
pdcgroup4	.0011364	.0014674	0.77	0.442	-.0018069	.0040797
pdcgroup5	-.0402936	.0104967	-3.84	0.000	-.0613472	-.0192399
cohort2000	.0033791	.0022108	1.53	0.132	-.0010552	.0078134
cohort2001	.0021969	.0039434	0.56	0.580	-.0057126	.0101064
cohort2002	.003282	.0056854	0.58	0.566	-.0081214	.0146854
cohort2003	.0072654	.0090956	0.80	0.428	-.0109781	.0255089
cohort2004	-.0348431	.0118399	-2.94	0.005	-.058591	-.0110952
award_b4_tsd	-.0000191	.0061352	-0.00	0.998	-.0123247	.0122865
diaward_tsd	-.0001339	.0001387	-0.97	0.339	-.000412	.0001443
epeb4twp_flag	-.0651071	.0324711	-2.01	0.050	-.1302359	.0000217
ldwb4twp_flag	.0644998	.0615871	1.05	0.300	-.0590283	.1880279
ldwb4epe_flag	.0470728	.0264349	1.78	0.081	-.0059489	.1000944

twpb4tsd	.0015701	.0018624	0.84	0.403	-.0021653	.0053055
epeb4tsd	.0058213	.0037447	1.55	0.126	-.0016896	.0133322
ldwb4tsd	-.0137857	.0036147	-3.81	0.000	-.0210358	-.0065356
st_AL	.0218816	.0024497	8.93	0.000	.0169682	.026795
st_AR	.0013501	.0023904	0.56	0.575	-.0034444	.0061446
st_AZ	.0090083	.0025273	3.56	0.001	.0039392	.0140774
st_CA	.0102252	.0024493	4.17	0.000	.0053125	.0151378
st_CO	.0376274	.002378	15.82	0.000	.0328578	.0423971
st_CT	.0098109	.0022162	4.43	0.000	.0053657	.0142561
st_DC	-.0119166	.0022957	-5.19	0.000	-.0165212	-.0073119
st_DE	.0076877	.0026456	2.91	0.005	.0023812	.0129942
st_FL	.0265426	.002517	10.55	0.000	.0214942	.0315911
st_GA	.0064321	.0024122	2.67	0.010	.0015938	.0112703
st_HI	-.0149882	.0026884	-5.58	0.000	-.0203804	-.0095959
st_IA	.036421	.0021045	17.31	0.000	.0322	.0406421
st_ID	-.0189254	.0021954	-8.62	0.000	-.0233288	-.0145221
st_IL	.0251513	.0027274	9.22	0.000	.0196808	.0306218
st_IN	.00187	.0021665	0.86	0.392	-.0024754	.0062154
st_KS	.0075093	.0020716	3.62	0.001	.0033542	.0116645
st_KY	-.0016008	.0023256	-0.69	0.494	-.0062653	.0030637
st_LA	.0145785	.0026052	5.60	0.000	.0093532	.0198039
st_MA	.0123984	.0027843	4.45	0.000	.0068138	.017983
st_MD	-.015921	.0023633	-6.74	0.000	-.0206612	-.0111807
st_ME	-.0284088	.0022996	-12.35	0.000	-.0330211	-.0237964
st_MI	.0144348	.002316	6.23	0.000	.0097895	.0190801
st_MN	.0272743	.0025185	10.83	0.000	.0222229	.0323257
st_MO	.0138578	.0020671	6.70	0.000	.0097117	.0180039
st_MS	.0029131	.0026465	1.10	0.276	-.0023952	.0082213
st_MT	-.0026733	.0017906	-1.49	0.141	-.0062648	.0009182
st_NC	-.0156973	.002318	-6.77	0.000	-.0203466	-.0110479
st_ND	-.0235188	.0019902	-11.82	0.000	-.0275106	-.019527
st_NE	-.0227734	.0028223	-8.07	0.000	-.0284341	-.0171127
st_NH	-.008549	.0021666	-3.95	0.000	-.0128946	-.0042035
st_NJ	-.0095541	.0023998	-3.98	0.000	-.0143676	-.0047406
st_NM	-.0116646	.0018649	-6.25	0.000	-.0154051	-.0079241
st_NV	.0023487	.0023314	1.01	0.318	-.0023276	.0070249
st_NY	.0191057	.0025432	7.51	0.000	.0140047	.0242068
st_OH	-.0239021	.002393	-9.99	0.000	-.0287018	-.0191023
st_OK	.0583977	.0021552	27.10	0.000	.0540748	.0627205
st_OR	.0052107	.0027768	1.88	0.066	-.0003589	.0107803
st_PA	-.0489349	.0021634	-22.62	0.000	-.053274	-.0445957
st_PR	-.1167688	.0042792	-27.29	0.000	-.1253518	-.1081858
st_RI	-.0277017	.0027068	-10.23	0.000	-.0331309	-.0222725
st_SC	.0088819	.0026292	3.38	0.001	.0036083	.0141555
st_SD	.0512878	.0017124	29.95	0.000	.0478531	.0547224
st_TN	.01869	.0024268	7.70	0.000	.0138225	.0235575
st_TX	.0109478	.0022464	4.87	0.000	.0064422	.0154534
st_UT	-.0278441	.0029891	-9.32	0.000	-.0338394	-.0218488
st_VA	.0105977	.0024104	4.40	0.000	.005763	.0154324
st_VT	.1179615	.0024532	48.08	0.000	.113041	.122882
st_WA	-.0216398	.0020556	-10.53	0.000	-.0257628	-.0175169
st_WI	.0617749	.0021704	28.46	0.000	.0574215	.0661282
st_WV	-.0565259	.0038209	-14.79	0.000	-.0641896	-.0488621
st_WY	.3279735	.0027178	120.68	0.000	.3225223	.3334246
pial	-9.98e-06	6.60e-06	-1.51	0.137	-.0000232	3.27e-06
pia_miss	.000939	.0057543	0.16	0.871	-.0106027	.0124807
ime1	2.25e-06	1.85e-06	1.22	0.229	-1.46e-06	5.95e-06
ime_miss	.002819	.0028012	1.01	0.319	-.0027994	.0084375
_cons	.9753088	.0114227	85.38	0.000	.9523976	.9982199

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj -
imm17_adj - imm18_adj - imm19_adj = 0

srvroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	.0002629	.0014755	0.18	0.859	-.0026967	.0032224

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj =
-.0002629

srvroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-2.01e-17	.0014755	-0.00	1.000	-.0029595	.0029595

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 53) = 2.05
Prob > F = 0.0514

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 53) = 0.03
Prob > F = 0.8593

- (1) -.5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) -.5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) -.5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) -.5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) -.5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) -.5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) -.5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 53) = 2.21
Prob > F = 0.0479

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH2_nounemp.xls
dir : seeout

Linear regression

Number of obs = 77161
F(52, 53) = .
Prob > F = .
R-squared = 0.4127
Root MSE = 1.0156

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	-.0242407	.010166	-2.38	0.021	-.0446312	-.0038503

imm12_adj	.006404	.0079483	0.81	0.424	-.0095382	.0223462
imm13_adj	.0051206	.0071353	0.72	0.476	-.0091909	.0194322
imm14_adj	-.0025529	.0125047	-0.20	0.839	-.0276341	.0225284
imm15_adj	-.0038788	.0102021	-0.38	0.705	-.0243416	.0165839
imm16_adj	.0020121	.0106765	0.19	0.851	-.0194024	.0234265
imm17_adj	.0168905	.0095735	1.76	0.083	-.0023114	.0360925
imm18_adj	.0018278	.0129568	0.14	0.888	-.0241602	.0278158
imm19_adj	.002826	.0099919	0.28	0.778	-.0172152	.0228672
male	.016636	.0066501	2.50	0.015	.0032976	.0299744
gendermiss_flag	.0419382	.0216905	1.93	0.059	-.0015675	.0854439
tsd_age	-.0054946	.0008712	-6.31	0.000	-.007242	-.0037473
doage2	.0019016	.0006767	2.81	0.007	.0005444	.0032589
doage2miss_flag	.0263777	.0248359	1.06	0.293	-.0234368	.0761922
race_a	-.0108658	.0444902	-0.24	0.808	-.1001018	.0783702
race_b	.029028	.0099891	2.91	0.005	.0089923	.0490636
race_h	.0583411	.031832	1.83	0.072	-.0055058	.122188
race_i	.048971	.0621191	0.79	0.434	-.0756242	.1735661
race_o	-.0269059	.0801969	-0.34	0.739	-.1377605	.1339487
race_mis	-.0348092	.0237666	-1.46	0.149	-.0824789	.0128605
tsd_edu_hs	.0275678	.0077579	3.55	0.001	.0120073	.0431283
tsd_edu_mrhs	.0683447	.0112202	6.09	0.000	.0458397	.0908496
tsd_edu_mis	.0275873	.0100611	2.74	0.008	.0074073	.0477673
tsd_mie_exp	.0279704	.0228926	1.22	0.227	-.0179465	.0738872
tsd_mie_mis	.0228155	.0141163	1.62	0.112	-.0054982	.0511292
tsd_mie_psbl	.0008505	.0085038	0.10	0.921	-.0162059	.0179069
tsd_medicare	-.0525919	.0164658	-3.19	0.002	-.0856181	-.0195656
tsd_medicare_miss	-.0333034	.018986	-1.75	0.085	-.0713845	.0047778
tsd_depend_1	-.0195768	.0092436	-2.12	0.039	-.0381172	-.0010365
tsd_depend_2	-.025467	.0109904	-2.32	0.024	-.0475109	-.0034231
tsd_depend_miss	.0259075	.0227027	1.14	0.259	-.0196284	.0714434
tsd_vrpr	.1166228	.0177418	6.57	0.000	.0810373	.1522083
tsd_vrpr_miss	.127891	.0175582	7.28	0.000	.0926737	.1631084
pdcgrou2	.0055016	.0105152	0.52	0.603	-.0155893	.0265924
pdcgrou3	.0351904	.0102316	3.44	0.001	.0146683	.0557125
pdcgrou4	.0578212	.0081214	7.12	0.000	.0415317	.0741107
pdcgrou5	-.0356977	.0615259	-0.58	0.564	-.159103	.0877076
cohort2000	.000817	.0154398	0.05	0.958	-.0301514	.0317853
cohort2001	.0037344	.024732	0.15	0.881	-.0458716	.0533404
cohort2002	-.0513108	.0355196	-1.44	0.154	-.1225541	.0199325
cohort2003	.0473621	.0336738	1.41	0.165	-.020179	.1149032
cohort2004	.0904467	.0489503	1.85	0.070	-.0077352	.1886285
award_b4_tsd	-.0289595	.0159833	-1.81	0.076	-.061018	.0030989
diaward_tsd	-.0022853	.0011737	-1.95	0.057	-.0046395	.0000689
epeb4twp_flag	.9894936	1.798972	0.55	0.585	-2.618787	4.597774
ldwb4twp_flag	.1825699	.9100392	0.20	0.842	-1.642738	2.007877
ldwb4epe_flag	-.2776507	.2655348	-1.05	0.300	-.8102461	.2549447
twpb4tsd	.871656	.0607552	14.35	0.000	.7497966	.9935155
epeb4tsd	.5627215	.0484516	11.61	0.000	.4655399	.6599031
ldwb4tsd	5.516913	.1759631	31.35	0.000	5.163976	5.869851
st_AL	-.2535092	.011294	-22.45	0.000	-.2761622	-.2308563
st_AR	.0214778	.0075832	2.83	0.007	.0062678	.0366877
st_AZ	-.0600319	.0092333	-6.50	0.000	-.0785517	-.0415122
st_CA	.1204655	.0102383	11.77	0.000	.0999302	.1410009
st_CO	-.0067386	.0104917	-0.64	0.523	-.0277823	.014305
st_CT	.040648	.0085976	4.73	0.000	.0234033	.0578927
st_DC	.1367772	.0083338	16.41	0.000	.1200617	.1534927
st_DE	.0112609	.0105462	1.07	0.290	-.0098921	.0324138
st_FL	-.0189824	.0095158	-1.99	0.051	-.0380687	.0001038
st_GA	.0707979	.0084603	8.37	0.000	.0538288	.0877671
st_HI	.0266367	.0125454	2.12	0.038	.0014737	.0517996
st_IA	-.113514	.0132359	-8.58	0.000	-.1400619	-.0869662
st_ID	.7555179	.0233283	32.39	0.000	.7087271	.8023086
st_IL	-.0551763	.0105971	-5.21	0.000	-.0764315	-.0339212

st_IN	.0274607	.0074488	3.69	0.001	.0125202	.0424012
st_KS	-.0020979	.0084827	-0.25	0.806	-.0191119	.0149162
st_KY	.0207247	.0080779	2.57	0.013	.0045225	.036927
st_LA	.049319	.0076815	6.42	0.000	.0339119	.064726
st_MA	-.0834853	.0118478	-7.05	0.000	-.1072489	-.0597217
st_MD	.4521154	.0130588	34.62	0.000	.4259229	.478308
st_ME	.7762551	.0113095	68.64	0.000	.7535712	.798939
st_MI	.048034	.0075835	6.33	0.000	.0328233	.0632446
st_MN	.3599515	.0099262	36.26	0.000	.3400422	.3798609
st_MO	.0128278	.0082532	1.55	0.126	-.0037259	.0293816
st_MS	.0528503	.0082984	6.37	0.000	.0362057	.0694948
st_MT	.0789706	.0068734	11.49	0.000	.0651843	.0927568
st_NC	.4428382	.0101735	43.53	0.000	.4224328	.4632435
st_ND	-.0308471	.0066159	-4.66	0.000	-.044117	-.0175772
st_NE	-.0807034	.0156119	-5.17	0.000	-.1120169	-.0493899
st_NH	.0076939	.0088307	0.87	0.388	-.0100183	.025406
st_NJ	.0425328	.0082268	5.17	0.000	.0260319	.0590337
st_NM	.1289947	.0099183	13.01	0.000	.1091011	.1488883
st_NV	-.0126119	.0079217	-1.59	0.117	-.028501	.0032771
st_NY	-.0204547	.0092543	-2.21	0.031	-.0390165	-.0018929
st_OH	.2326348	.0151487	15.36	0.000	.2022503	.2630194
st_OK	.0710103	.0084439	8.41	0.000	.0540739	.0879467
st_OR	-.0784134	.008677	-9.04	0.000	-.0958172	-.0610096
st_PA	.3492937	.013669	25.55	0.000	.321877	.3767103
st_PR	.0322884	.0144507	2.23	0.030	.003304	.0612728
st_RI	-.4851045	.0293988	-16.50	0.000	-.5440711	-.4261379
st_SC	-.023109	.0097451	-2.37	0.021	-.0426552	-.0035628
st_SD	.022647	.0069708	3.25	0.002	.0086653	.0366287
st_TN	.0314711	.0080286	3.92	0.000	.0153678	.0475745
st_TX	.4048232	.0082048	49.34	0.000	.3883665	.4212799
st_UT	-.0332614	.012661	-2.63	0.011	-.0586562	-.0078665
st_VA	.0437932	.0072504	6.04	0.000	.0292507	.0583356
st_VT	-.1184978	.0127223	-9.31	0.000	-.1440154	-.0929802
st_WA	.0106093	.0084851	1.25	0.217	-.0064097	.0276283
st_WI	.0030646	.0101817	0.30	0.765	-.0173574	.0234866
st_WV	.6371486	.0108025	58.98	0.000	.6154814	.6588157
st_WY	.0564625	.0119506	4.72	0.000	.0324926	.0804324
pial	-.0000374	.0000648	-0.58	0.566	-.0001673	.0000925
pia_miss	-.0801999	.0689676	-1.16	0.250	-.2185313	.0581315
ime1	.0000332	.0000245	1.36	0.181	-.0000159	.0000824
ime_miss	.0151813	.0397368	0.38	0.704	-.0645206	.0948833
_cons	.0028676	.0424474	0.07	0.946	-.0822711	.0880063

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

nstw12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0044087	.0129227	-0.34	0.734	-.0303283 .021511

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0044087

nstw12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-1.73e-17	.0129227	-0.00	1.000	-.0259196 .0259196

(1) imm10_adj = 0

(2) imm12_adj = 0
 (3) imm13_adj = 0
 (4) imm14_adj = 0
 (5) imm15_adj = 0
 (6) imm16_adj = 0
 (7) imm17_adj = 0
 (8) imm18_adj = 0
 (9) imm19_adj = 0

F(9, 53) = 0.99
 Prob > F = 0.4608

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj +
 imm17_adj + imm18_adj + imm19_adj = 0

F(1, 53) = 0.12
 Prob > F = 0.7343

(1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
 (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
 (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
 (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
 (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
 (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
 (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 53) = 1.13
 Prob > F = 0.3572

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.3463
 Root MSE = 2.347

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	-.0408187	.0192162	-2.12	0.038	-.0793616	-.0022758
imm12_adj	.0214902	.0235553	0.91	0.366	-.0257557	.068736
imm13_adj	.0131766	.0200506	0.66	0.514	-.0270399	.053393
imm14_adj	-.0169854	.0336205	-0.51	0.616	-.0844196	.0504487
imm15_adj	-.005385	.0255707	-0.21	0.834	-.0566733	.0459032
imm16_adj	.0161746	.0236836	0.68	0.498	-.0313286	.0636779
imm17_adj	.0366389	.0239915	1.53	0.133	-.0114819	.0847598
imm18_adj	-.0040076	.0263832	-0.15	0.880	-.0569255	.0489103
imm19_adj	-.0079803	.0265147	-0.30	0.765	-.0611621	.0452016
male	.0686296	.0135947	5.05	0.000	.041362	.0958972
gendermiss_flag	-.1684429	.0616652	-2.73	0.009	-.2921277	-.0447581
tsd_age	-.0168025	.0018775	-8.95	0.000	-.0205684	-.0130366
doage2	.0035697	.0018339	1.95	0.057	-.0001086	.0072479
doage2miss_flag	-.0427313	.06323	-0.68	0.502	-.1695547	.0840921
race_a	.0028244	.0967333	0.03	0.977	-.1911981	.1968468
race_b	.0889199	.0267266	3.33	0.002	.0353131	.1425267
race_h	.1373492	.0659821	2.08	0.042	.0050058	.2696927
race_i	.0876976	.1144618	0.77	0.447	-.1418836	.3172788
race_o	.0020491	.1627863	0.01	0.990	-.3244589	.328557

race_mis	-.0475403	.0694311	-0.68	0.497	-.1868014	.0917208
tsd_edu_hs	.0614671	.0179538	3.42	0.001	.0254563	.097478
tsd_edu_mrhs	.2040552	.0231032	8.83	0.000	.157716	.2503944
tsd_edu_mis	.1068396	.031962	3.34	0.002	.0427319	.1709473
tsd_mie_exp	.0468072	.0627699	0.75	0.459	-.0790932	.1727077
tsd_mie_mis	.0214106	.0313817	0.68	0.498	-.041533	.0843543
tsd_mie_psbl	.0037592	.0198884	0.19	0.851	-.0361318	.0436503
tsd_medicare	-.1464936	.0333295	-4.40	0.000	-.2133442	-.079643
tsd_medicare_miss	-.1652278	.0443306	-3.73	0.000	-.2541437	-.0763118
tsd_depend_1	-.0837812	.0228495	-3.67	0.001	-.1296115	-.0379508
tsd_depend_2	-.072503	.023053	-3.15	0.003	-.1187416	-.0262645
tsd_depend_miss	.0652833	.032983	1.98	0.053	-.0008723	.1314388
tsd_vrpr	.3335685	.0330983	10.08	0.000	.2671818	.3999552
tsd_vrpr_miss	.30347	.0322526	9.41	0.000	.2387795	.3681606
pdcgrou2	-.0007349	.0218997	-0.03	0.973	-.0446602	.0431904
pdcgrou3	.1076356	.0175765	6.12	0.000	.0723815	.1428897
pdcgrou4	.1649748	.0232005	7.11	0.000	.1184405	.211509
pdcgrou5	.0017692	.1853456	0.01	0.992	-.3699869	.3735253
cohort2000	-.0075779	.0425412	-0.18	0.859	-.0929048	.0777489
cohort2001	.0066461	.0594442	0.11	0.911	-.1125838	.125876
cohort2002	-.1240166	.078139	-1.59	0.118	-.2807436	.0327104
cohort2003	.0800776	.0886473	0.90	0.370	-.0977263	.2578816
cohort2004	.1383965	.1092611	1.27	0.211	-.0807535	.3575464
award_b4_tsd	.0075696	.0650366	0.12	0.908	-.1228774	.1380166
diaward_tsd	-.0073559	.002752	-2.67	0.010	-.0128757	-.0018361
epeb4twp_flag	.9172302	3.155539	0.29	0.772	-5.41198	7.24644
ldwb4twp_flag	.1929395	1.487985	0.13	0.897	-2.791581	3.17746
ldwb4epe_flag	.2682271	.6179535	0.43	0.666	-.9712305	1.507685
twpb4tsd	2.711632	.152683	17.76	0.000	2.405389	3.017875
epeb4tsd	.9772109	.0970256	10.07	0.000	.7826023	1.171819
ldwb4tsd	10.11081	.3367515	30.02	0.000	9.435371	10.78625
st_AL	-.3098437	.0273205	-11.34	0.000	-.3646417	-.2550457
st_AR	-.0265836	.0192635	-1.38	0.173	-.0652213	.0120542
st_AZ	-.0549851	.0242898	-2.26	0.028	-.1037042	-.006266
st_CA	.0742451	.0252539	2.94	0.005	.0235922	.124898
st_CO	-.1179734	.0251668	-4.69	0.000	-.1684516	-.0674951
st_CT	.0354026	.0215927	1.64	0.107	-.0079068	.078712
st_DC	.3622956	.0222144	16.31	0.000	.3177391	.4068521
st_DE	.2429144	.0241719	10.05	0.000	.1944318	.2913971
st_FL	-.053602	.0232322	-2.31	0.025	-.1002	-.007004
st_GA	.1409222	.0209153	6.74	0.000	.0989714	.182873
st_HI	-.0433416	.0263746	-1.64	0.106	-.0962424	.0095593
st_IA	-.258861	.0307709	-8.41	0.000	-.3205797	-.1971423
st_ID	1.622812	.0445162	36.45	0.000	1.533524	1.7121
st_IL	-.1601207	.0271832	-5.89	0.000	-.2146432	-.1055982
st_IN	.0381832	.0193841	1.97	0.054	-.0006964	.0770627
st_KS	-.0229715	.0219434	-1.05	0.300	-.0669843	.0210413
st_KY	-.0067495	.0198809	-0.34	0.736	-.0466255	.0331265
st_LA	.1222304	.0190784	6.41	0.000	.0839639	.1604969
st_MA	-.076698	.0310339	-2.47	0.017	-.1389441	-.0144519
st_MD	.9797617	.0285225	34.35	0.000	.9225528	1.036971
st_ME	1.465639	.0243545	60.18	0.000	1.41679	1.514488
st_MI	.0698196	.0193872	3.60	0.001	.0309337	.1087055
st_MN	.6557572	.025377	25.84	0.000	.6048574	.7066569
st_MO	-.00978	.0204936	-0.48	0.635	-.0508848	.0313249
st_MS	.1032173	.0187201	5.51	0.000	.0656695	.140765
st_MT	.0649296	.0191557	3.39	0.001	.0265081	.1033511
st_NC	.7837549	.0227989	34.38	0.000	.7380261	.8294837
st_ND	-.1026106	.0201126	-5.10	0.000	-.1429515	-.0622698
st_NE	-.3857442	.035476	-10.87	0.000	-.4569	-.3145883
st_NH	.1247203	.0220356	5.66	0.000	.0805224	.1689182
st_NJ	.1030732	.0210739	4.89	0.000	.0608043	.145342
st_NM	.2514541	.0249523	10.08	0.000	.2014061	.3015022

st_NV	-.0342761	.0209115	-1.64	0.107	-.0762193	.0076671
st_NY	-.0549918	.0231552	-2.37	0.021	-.1014353	-.0085482
st_OH	.4047739	.0350609	11.54	0.000	.3344505	.4750972
st_OK	-.0932718	.019855	-4.70	0.000	-.1330958	-.0534478
st_OR	-.1270983	.0226805	-5.60	0.000	-.1725897	-.081607
st_PA	.6217167	.0296682	20.96	0.000	.5622098	.6812236
st_PR	.0257425	.0349559	0.74	0.465	-.0443701	.095855
st_RI	-1.5095	.077819	-19.40	0.000	-1.665585	-1.353415
st_SC	-.0698574	.0228705	-3.05	0.004	-.1157299	-.0239849
st_SD	-.0104204	.0200452	-0.52	0.605	-.0506259	.0297851
st_TN	.0341595	.0196475	1.74	0.088	-.0052484	.0735675
st_TX	.5699539	.0211468	26.95	0.000	.5275387	.612369
st_UT	-.2231656	.0240764	-9.27	0.000	-.2714568	-.1748744
st_VA	.0925683	.0187741	4.93	0.000	.0549123	.1302244
st_VT	-.1443822	.0329059	-4.39	0.000	-.2103832	-.0783813
st_WA	.0631197	.0195938	3.22	0.002	.0238194	.1024199
st_WI	-.0705797	.0246167	-2.87	0.006	-.1199546	-.0212049
st_WV	1.517556	.0239956	63.24	0.000	1.469427	1.565685
st_WY	.0486161	.035169	1.38	0.173	-.0219239	.1191562
pial	-.000075	.0001205	-0.62	0.536	-.0003167	.0001667
pia_miss	-.2866568	.1166217	-2.46	0.017	-.5205703	-.0527433
ime1	.0000956	.0000466	2.05	0.045	2.22e-06	.000189
ime_miss	.0216807	.0746973	0.29	0.773	-.1281432	.1715046
_cons	.2694057	.107037	2.52	0.015	.0547166	.4840947

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

nstw24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0123033	.0286978	-0.43	0.670	-.0698638 .0452573

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0123033

nstw24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-4.51e-17	.0286978	-0.00	1.000	-.0575606 .0575606

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 53) = 1.32
 Prob > F = 0.2471

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 53) = 0.18
 Prob > F = 0.6699

(1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
 (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
 (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
 (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
 (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
 (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
 (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 53) = 1.67
 Prob > F = 0.1363

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.2952
 Root MSE = 3.9277

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	-.0317951	.0264685	-1.20	0.235	-.0848842	.021294
imm12_adj	.0222558	.0446456	0.50	0.620	-.067292	.1118035
imm13_adj	.0360838	.0316183	1.14	0.259	-.0273344	.099502
imm14_adj	-.0293604	.0544809	-0.54	0.592	-.1386353	.0799145
imm15_adj	.0020068	.043495	0.05	0.963	-.0852332	.0892468
imm16_adj	.0449034	.0392957	1.14	0.258	-.0339138	.1237207
imm17_adj	.0421358	.0425686	0.99	0.327	-.0432461	.1275176
imm18_adj	-.0244312	.0345048	-0.71	0.482	-.093639	.0447766
imm19_adj	-.0339192	.0452311	-0.75	0.457	-.1246413	.0568029
male	.1402601	.0250011	5.61	0.000	.0901143	.1904059
gendermiss_flag	-.6801613	.1247612	-5.45	0.000	-.9304006	-.429922
tsd_age	-.0337513	.0035498	-9.51	0.000	-.0408712	-.0266313
doage2	.0042229	.0030086	1.40	0.166	-.0018116	.0102574
doage2miss_flag	-.2210277	.1305969	-1.69	0.096	-.4829718	.0409165
race_a	.0239572	.1658012	0.14	0.886	-.3085979	.3565123
race_b	.1668113	.0413918	4.03	0.000	.0837897	.2498328
race_h	.2229548	.0840457	2.65	0.011	.0543805	.391529
race_i	.1275388	.1924585	0.66	0.510	-.2584841	.5135617
race_o	.0244117	.2399931	0.10	0.919	-.4569536	.5057769
race_mis	-.0774503	.1188693	-0.65	0.518	-.3158719	.1609713
tsd_edu_hs	.1056797	.0298779	3.54	0.001	.0457522	.1656073
tsd_edu_mrhs	.4176215	.0396471	10.53	0.000	.3380996	.4971435
tsd_edu_mis	.22484	.0552785	4.07	0.000	.1139654	.3357146
tsd_mie_exp	.0865683	.1086582	0.80	0.429	-.1313724	.3045091
tsd_mie_mis	-.0075009	.0487504	-0.15	0.878	-.1052819	.0902801
tsd_mie_psbl	-.0167514	.0340722	-0.49	0.625	-.0850915	.0515888
tsd_medicare	-.2431959	.0529806	-4.59	0.000	-.3494616	-.1369303
tsd_medicare_miss	-.3943711	.0885295	-4.45	0.000	-.5719387	-.2168034
tsd_depend_1	-.1845863	.0399967	-4.62	0.000	-.2648094	-.1043631
tsd_depend_2	-.122232	.0355288	-3.44	0.001	-.1934937	-.0509704
tsd_depend_miss	.030434	.0614552	0.50	0.622	-.0928295	.1536976
tsd_vrpr	.573545	.0540712	10.61	0.000	.4650919	.6819981
tsd_vrpr_miss	.4300049	.0480653	8.95	0.000	.3335981	.5264118
pdcgrou2	-.0319083	.0414732	-0.77	0.445	-.1150931	.0512764
pdcgrou3	.1916304	.0309067	6.20	0.000	.1296393	.2536214
pdcgrou4	.2886224	.0390832	7.38	0.000	.2102315	.3670134
pdcgrou5	-.0387765	.3674508	-0.11	0.916	-.7757895	.6982365

cohort2000	-.048368	.0795671	-0.61	0.546	-.2079594	.1112234
cohort2001	-.0333801	.1098798	-0.30	0.762	-.2537711	.1870109
cohort2002	-.2411656	.1384073	-1.74	0.087	-.5187755	.0364443
cohort2003	.2045954	.1715797	1.19	0.238	-.1395498	.5487407
cohort2004	.2092967	.1883888	1.11	0.272	-.1685633	.5871567
award_b4_tsd	.0860951	.1177773	0.73	0.468	-.1501362	.3223264
diaward_tsd	-.0140005	.0046868	-2.99	0.004	-.023401	-.0046
epeb4twp_flag	.8706567	3.477296	0.25	0.803	-6.103916	7.845229
ldwb4twp_flag	-.8539632	1.997992	-0.43	0.671	-4.861429	3.153502
ldwb4epe_flag	1.700371	1.122605	1.51	0.136	-.5512909	3.952032
twpb4tsd	4.670186	.2721181	17.16	0.000	4.124386	5.215985
epeb4tsd	1.220294	.1675818	7.28	0.000	.8841676	1.556421
ldwb4tsd	14.21014	.5093045	27.90	0.000	13.1886	15.23168
st_AL	.021119	.0491609	0.43	0.669	-.0774852	.1197232
st_AR	-.0833108	.0406244	-2.05	0.045	-.1647931	-.0018285
st_AZ	.0990459	.0458222	2.16	0.035	.0071382	.1909536
st_CA	.2688135	.0489072	5.50	0.000	.1707181	.366909
st_CO	-.3402003	.0480409	-7.08	0.000	-.436558	-.2438425
st_CT	.0605781	.0440301	1.38	0.175	-.0277351	.1488912
st_DC	.7184632	.0444804	16.15	0.000	.6292468	.8076797
st_DE	.6855738	.0450248	15.23	0.000	.5952655	.7758821
st_FL	.0225976	.0445723	0.51	0.614	-.0668031	.1119983
st_GA	.2507108	.0431343	5.81	0.000	.1641944	.3372272
st_HI	-.1716375	.0522974	-3.28	0.002	-.2765328	-.0667422
st_IA	-.5739493	.0553523	-10.37	0.000	-.684972	-.4629266
st_ID	2.791393	.0721138	38.71	0.000	2.646751	2.936035
st_IL	-.1987619	.0515842	-3.85	0.000	-.3022268	-.095297
st_IN	.095553	.0405358	2.36	0.022	.0142486	.1768575
st_KS	.0753374	.0439401	1.71	0.092	-.0127953	.1634702
st_KY	-.0055053	.0408551	-0.13	0.893	-.0874503	.0764397
st_LA	.2171486	.0404029	5.37	0.000	.1361106	.2981866
st_MA	.1324444	.0571774	2.32	0.024	.0177611	.2471277
st_MD	1.43961	.049053	29.35	0.000	1.341222	1.537998
st_ME	2.086638	.0475547	43.88	0.000	1.991256	2.182021
st_MI	.1052882	.0406447	2.59	0.012	.0237653	.186811
st_MN	.9498	.0482316	19.69	0.000	.8530598	1.04654
st_MO	-.0259448	.0417173	-0.62	0.537	-.1096192	.0577296
st_MS	.2039758	.0389139	5.24	0.000	.1259244	.2820272
st_MT	.1572274	.0399844	3.93	0.000	.0770289	.2374259
st_NC	1.096861	.0453223	24.20	0.000	1.005956	1.187766
st_ND	-.1593435	.0417829	-3.81	0.000	-.2431494	-.0755376
st_NE	-.7994669	.0583566	-13.70	0.000	-.9165154	-.6824185
st_NH	.3629488	.0427298	8.49	0.000	.2772436	.4486539
st_NJ	.2207851	.0423016	5.22	0.000	.1359389	.3056312
st_NM	.3924989	.0448109	8.76	0.000	.3026197	.4823782
st_NV	-.007479	.0415225	-0.18	0.858	-.0907625	.0758045
st_NY	-.0339636	.045093	-0.75	0.455	-.1244087	.0564814
st_OH	.6703975	.0630081	10.64	0.000	.5440192	.7967758
st_OK	.1034535	.0399587	2.59	0.012	.0233066	.1836004
st_OR	-.0902616	.0469199	-1.92	0.060	-.184371	.0038478
st_PA	.9197219	.0517676	17.77	0.000	.8158893	1.023555
st_PR	-.0088652	.0591105	-0.15	0.881	-.1274258	.1096954
st_RI	-2.659424	.1460564	-18.21	0.000	-2.952377	-2.366472
st_SC	-.1656637	.0454722	-3.64	0.001	-.2568695	-.074458
st_SD	-.0445989	.0404528	-1.10	0.275	-.1257369	.0365391
st_TN	.055958	.0407536	1.37	0.176	-.0257834	.1376995
st_TX	.7958896	.043614	18.25	0.000	.7084111	.8833682
st_UT	-.4462589	.0479002	-9.32	0.000	-.5423346	-.3501833
st_VA	.1992697	.0399482	4.99	0.000	.1191438	.2793956
st_VT	-.4133984	.0596039	-6.94	0.000	-.5329486	-.2938481
st_WA	.1814539	.0388429	4.67	0.000	.1035449	.259363
st_WI	-.0778709	.0478976	-1.63	0.110	-.1739413	.0181994
st_WV	2.819627	.0483709	58.29	0.000	2.722608	2.916647

st_WY		3.638905	.0708949	51.33	0.000	3.496708	3.781102
pial		-.0000789	.0001976	-0.40	0.691	-.0004752	.0003175
pia_miss		-.4444112	.1682956	-2.64	0.011	-.7819694	-.106853
ime1		.0001747	.0000746	2.34	0.023	.0000251	.0003243
ime_miss		-.0403936	.1062521	-0.38	0.705	-.2535083	.172721
_cons		.8798343	.2257126	3.90	0.000	.4271121	1.332556

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

nstw36		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)		-.0278797	.0448865	-0.62	0.537	-.1179106 .0621511

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0278797

nstw36		Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)		-4.51e-17	.0448865	-0.00	1.000	-.0900309 .0900309

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 53) = 1.98
 Prob > F = 0.0597

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 53) = 0.39
 Prob > F = 0.5372

- (1) - .5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) - .5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) - .5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) - .5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) - .5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) - .5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) - .5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 53) = 1.68
 Prob > F = 0.1328

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(52, 53) = .
 Prob > F = .

R-squared = 0.2577
 Root MSE = 5.6657

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm10_adj	-.024661	.04413	-0.56	0.579	-.1131745	.0638526
imm12_adj	.0230222	.0664118	0.35	0.730	-.110183	.1562273
imm13_adj	.0716213	.0454402	1.58	0.121	-.0195202	.1627629
imm14_adj	-.0309389	.0801808	-0.39	0.701	-.1917612	.1298834
imm15_adj	.017942	.0564093	0.32	0.752	-.0952007	.1310848
imm16_adj	.0566441	.0574563	0.99	0.329	-.0585987	.171887
imm17_adj	.0311782	.0666555	0.47	0.642	-.1025159	.1648722
imm18_adj	-.0351415	.0389637	-0.90	0.371	-.1132927	.0430098
imm19_adj	-.07646	.0651472	-1.17	0.246	-.2071286	.0542087
male	.2263789	.0413344	5.48	0.000	.1434726	.3092853
gendermiss_flag	-1.49798	.2020253	-7.41	0.000	-1.903191	-1.092768
tsd_age	-.0540337	.0052687	-10.26	0.000	-.0646013	-.0434661
doage2	.0032625	.0039865	0.82	0.417	-.0047333	.0112583
doage2miss_flag	-.7224211	.2178731	-3.32	0.002	-1.159419	-.285423
race_a	-.0077329	.2098327	-0.04	0.971	-.428604	.4131383
race_b	.2659706	.0622302	4.27	0.000	.1411527	.3907886
race_h	.2948522	.1107232	2.66	0.010	.0727697	.5169348
race_i	.1997765	.2886798	0.69	0.492	-.3792419	.7787949
race_o	-.0378593	.3199955	-0.12	0.906	-.6796889	.6039704
race_mis	-.1005654	.1682087	-0.60	0.552	-.4379494	.2368186
tsd_edu_hs	.1543146	.0431865	3.57	0.001	.0676934	.2409358
tsd_edu_mrhs	.6898161	.0588569	11.72	0.000	.5717641	.807868
tsd_edu_mis	.3611375	.0784782	4.60	0.000	.2037301	.5185448
tsd_mie_exp	.1020528	.1655684	0.62	0.540	-.2300352	.4341409
tsd_mie_mis	-.0392357	.0694794	-0.56	0.575	-.1785938	.1001224
tsd_mie_psbl	-.0582359	.0500478	-1.16	0.250	-.158619	.0421471
tsd_medicare	-.3457239	.0740483	-4.67	0.000	-.494246	-.1972019
tsd_medicare_miss	-.6911065	.1339773	-5.16	0.000	-.9598309	-.4223821
tsd_depend_1	-.2841325	.0592167	-4.80	0.000	-.4029061	-.1653588
tsd_depend_2	-.1580512	.0423492	-3.73	0.000	-.2429929	-.0731096
tsd_depend_miss	-.1165162	.0877892	-1.33	0.190	-.292599	.0595666
tsd_vrpr	.6448175	.0916334	7.04	0.000	.4610242	.8286107
tsd_vrpr_miss	.3491844	.0760731	4.59	0.000	.1966011	.5017677
pdcgrou2	-.0995526	.0618324	-1.61	0.113	-.2235727	.0244674
pdcgrou3	.2552477	.0529065	4.82	0.000	.1491308	.3613647
pdcgrou4	.4049737	.0606188	6.68	0.000	.2833879	.5265596
pdcgrou5	-.1467936	.5159284	-0.28	0.777	-1.181615	.8880277
cohort2000	-.081191	.1158682	-0.70	0.487	-.3135932	.1512113
cohort2001	-.0650495	.1590687	-0.41	0.684	-.3841008	.2540019
cohort2002	-.3354402	.2041469	-1.64	0.106	-.7449071	.0740267
cohort2003	.4589739	.3019898	1.52	0.134	-.1467408	1.064689
cohort2004	.4653894	.33116	1.41	0.166	-.1988334	1.129612
award_b4_tsd	.1467584	.1861337	0.79	0.434	-.2265785	.5200953
diaward_tsd	-.0197764	.0069968	-2.83	0.007	-.0338102	-.0057426
epeb4twp_flag	2.637	4.469745	0.59	0.558	-6.328173	11.60217
ldwb4twp_flag	-2.187546	2.526734	-0.87	0.391	-7.255533	2.88044
ldwb4epe_flag	3.700685	1.650263	2.24	0.029	.3906771	7.010694
twpb4tsd	6.518267	.3741535	17.42	0.000	5.76781	7.268724
epeb4tsd	1.319197	.2342744	5.63	0.000	.8493017	1.789092
ldwb4tsd	18.01115	.6755256	26.66	0.000	16.65622	19.36609
st_AL	.4061483	.0940049	4.32	0.000	.2175983	.5946983
st_AR	-.3159068	.0857525	-3.68	0.001	-.4879046	-.143909
st_AZ	.17946	.0901411	1.99	0.052	-.0013402	.3602601
st_CA	.2209651	.093519	2.36	0.022	.0333898	.4085404
st_CO	-.6604665	.0934133	-7.07	0.000	-.8478299	-.473103

st_CT	-.1050043	.0887016	-1.18	0.242	-.2829173	.0729086
st_DC	.8847155	.0920809	9.61	0.000	.7000247	1.069406
st_DE	.9883021	.0886165	11.15	0.000	.8105598	1.166044
st_FL	-.1172658	.0887224	-1.32	0.192	-.2952205	.0606889
st_GA	.2268968	.0877296	2.59	0.012	.0509335	.4028602
st_HI	-.5421117	.0979485	-5.53	0.000	-.7385715	-.3456519
st_IA	-1.000903	.1003588	-9.97	0.000	-1.202197	-.7996088
st_ID	5.182416	.111915	46.31	0.000	4.957943	5.406889
st_IL	-.4088662	.0969564	-4.22	0.000	-.603336	-.2143963
st_IN	-.0332917	.0850413	-0.39	0.697	-.2038629	.1372795
st_KS	-.003657	.0888957	-0.04	0.967	-.1819591	.1746452
st_KY	-.1936233	.0854921	-2.26	0.028	-.3650988	-.0221478
st_LA	.1550636	.085438	1.81	0.075	-.0163034	.3264306
st_MA	.1808618	.103066	1.75	0.085	-.0258624	.387586
st_MD	2.120531	.0925302	22.92	0.000	1.934938	2.306123
st_ME	2.467678	.0937212	26.33	0.000	2.279697	2.655659
st_MI	-.0514201	.0847217	-0.61	0.546	-.2213503	.1185101
st_MN	.9255086	.0940021	9.85	0.000	.7369643	1.114053
st_MO	-.2317904	.0864112	-2.68	0.010	-.4051093	-.0584714
st_MS	.1467842	.0834102	1.76	0.084	-.0205154	.3140838
st_MT	.1112981	.0846619	1.31	0.194	-.0585122	.2811083
st_NC	1.29878	.090051	14.42	0.000	1.11816	1.479399
st_ND	-.4127163	.0873202	-4.73	0.000	-.5878586	-.2375741
st_NE	-1.519062	.1050373	-14.46	0.000	-1.72974	-1.308384
st_NH	.4874552	.0863856	5.64	0.000	.3141876	.6607229
st_NJ	.1697706	.0868626	1.95	0.056	-.0044537	.343995
st_NM	.341003	.0895078	3.81	0.000	.161473	.520533
st_NV	-.1022394	.084899	-1.20	0.234	-.2725252	.0680464
st_NY	-.0768615	.0902323	-0.85	0.398	-.2578446	.1041216
st_OH	.5778399	.1075331	5.37	0.000	.3621559	.7935239
st_OK	.3913439	.0840245	4.66	0.000	.222812	.5598757
st_OR	-.2376524	.0921275	-2.58	0.013	-.4224367	-.052868
st_PA	1.079169	.09482	11.38	0.000	.888984	1.269354
st_PR	-.270214	.1081431	-2.50	0.016	-.4871215	-.0533064
st_RI	-4.014277	.2115133	-18.98	0.000	-4.438519	-3.590035
st_SC	-.5417043	.0933156	-5.81	0.000	-.7288716	-.3545369
st_SD	-.3347116	.085361	-3.92	0.000	-.505924	-.1634992
st_TN	-.1070229	.0856979	-1.25	0.217	-.2789111	.0648654
st_TX	.9060588	.0897492	10.10	0.000	.7260446	1.086073
st_UT	-.8657689	.09407	-9.20	0.000	-1.054449	-.6770884
st_VA	.1468306	.0850718	1.73	0.090	-.0238018	.3174631
st_VT	-1.09724	.1054532	-10.40	0.000	-1.308752	-.8857273
st_WA	.2499064	.0822649	3.04	0.004	.084904	.4149089
st_WI	-.2889192	.0951543	-3.04	0.004	-.4797746	-.0980638
st_WV	4.301411	.0949654	45.29	0.000	4.110934	4.491887
st_WY	7.254708	.1285496	56.44	0.000	6.99687	7.512546
pial	-.0000841	.0002884	-0.29	0.772	-.0006625	.0004942
pia_miss	-.5201838	.2162079	-2.41	0.020	-.953842	-.0865256
ime1	.0002661	.0001054	2.53	0.015	.0000548	.0004774
ime_miss	-.1649307	.1385	-1.19	0.239	-.4427266	.1128652
_cons	2.070622	.3607458	5.74	0.000	1.347058	2.794186

(1) - imm10_adj - imm12_adj - imm13_adj - imm14_adj - imm15_adj - imm16_adj - imm17_adj - imm18_adj - imm19_adj = 0

nstw48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0332065	.0587872	-0.56	0.575	-.1511188 .0847057

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = .0332065

nstw48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-2.78e-17	.0587872	-0.00	1.000	-.1179122 .1179122

- (1) imm10_adj = 0
- (2) imm12_adj = 0
- (3) imm13_adj = 0
- (4) imm14_adj = 0
- (5) imm15_adj = 0
- (6) imm16_adj = 0
- (7) imm17_adj = 0
- (8) imm18_adj = 0
- (9) imm19_adj = 0

F(9, 53) = 1.98
 Prob > F = 0.0597

(1) imm10_adj + imm12_adj + imm13_adj + imm14_adj + imm15_adj + imm16_adj + imm17_adj + imm18_adj + imm19_adj = 0

F(1, 53) = 0.32
 Prob > F = 0.5746

- (1) -.5*imm10_adj + 1.5*imm12_adj - imm13_adj = 0
- (2) -.5*imm10_adj + .5*imm12_adj + imm13_adj - imm14_adj = 0
- (3) -.5*imm10_adj + .5*imm12_adj + imm14_adj - imm15_adj = 0
- (4) -.5*imm10_adj + .5*imm12_adj + imm15_adj - imm16_adj = 0
- (5) -.5*imm10_adj + .5*imm12_adj + imm16_adj - imm17_adj = 0
- (6) -.5*imm10_adj + .5*imm12_adj + imm17_adj - imm18_adj = 0
- (7) -.5*imm10_adj + .5*imm12_adj + imm18_adj - imm19_adj = 0

F(7, 53) = 1.26
 Prob > F = 0.2903

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression Number of obs = 114657
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.1210
 Root MSE = .12645

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll112	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
imm21_adj	-.0022708	.0006845	-3.32	0.002	-.0036438 -.0008977
imm23_adj	.0018505	.0013267	1.39	0.169	-.0008106 .0045116
imm24_adj	-.0006441	.0007797	-0.83	0.412	-.0022079 .0009197
imm25_adj	.0004994	.0009179	0.54	0.589	-.0013416 .0023404
imm26_adj	-.0001616	.0005898	-0.27	0.785	-.0013446 .0010214
imm27_adj	-.0003733	.0010776	-0.35	0.730	-.0025346 .0017881
imm28_adj	.0022281	.0007375	3.02	0.004	.0007489 .0037073
imm29_adj	-.0013103	.0010142	-1.29	0.202	-.0033445 .000724
imm30_adj	-.0005331	.000893	-0.60	0.553	-.0023243 .0012581

male	.001314	.0006862	1.91	0.061	-.0000623	.0026903
gendermiss_flag	-.007417	.0031739	-2.34	0.023	-.0137831	-.0010509
tsd_age	-.0002799	.0000899	-3.11	0.003	-.0004602	-.0000996
doage2	-.0000815	.0000598	-1.36	0.178	-.0002014	.0000383
doage2miss_flag	-.1179252	.00686	-17.19	0.000	-.1316847	-.1041658
race_a	-.0019594	.0027351	-0.72	0.477	-.0074454	.0035266
race_b	.0040811	.0016481	2.48	0.017	.0007755	.0073866
race_h	.0014642	.0005806	2.52	0.015	.0002996	.0026288
race_i	.0044508	.004168	1.07	0.290	-.0039092	.0128108
race_o	.0113637	.003207	3.54	0.001	.0049313	.017796
race_mis	.0066659	.0023867	2.79	0.007	.0018787	.0114531
tsd_edu_hs	.0028381	.00075	3.78	0.000	.0013338	.0043424
tsd_edu_mrhs	.0067637	.0011349	5.96	0.000	.0044875	.00904
tsd_edu_mis	.0049781	.00097	5.13	0.000	.0030325	.0069236
tsd_mie_exp	.0031162	.0024163	1.29	0.203	-.0017302	.0079626
tsd_mie_mis	-.0018776	.0011622	-1.62	0.112	-.0042085	.0004534
tsd_mie_psbl	-.0000578	.0010365	-0.06	0.956	-.0021367	.0020211
tsd_medicare	-.0051795	.0011815	-4.38	0.000	-.0075492	-.0028098
tsd_medicare_mis	-.0066987	.0028969	-2.31	0.025	-.0125091	-.0008882
tsd_depend_1	-.002535	.0008571	-2.96	0.005	-.0042542	-.0008158
tsd_depend_2	-.0004917	.0008213	-0.60	0.552	-.002139	.0011556
tsd_depend_mis	.0045116	.0030663	1.47	0.147	-.0016386	.0106618
tsd_vrpr	.0101141	.0022664	4.46	0.000	.0055684	.0146599
tsd_vrpr_mis	.0121532	.0019726	6.16	0.000	.0081967	.0161097
pdcgrou2	-.0025078	.0012117	-2.07	0.043	-.0049382	-.0000774
pdcgrou3	.0036063	.0013981	2.58	0.013	.0008021	.0064105
pdcgrou4	.001631	.0006929	2.35	0.022	.0002413	.0030207
pdcgrou5	-.0012224	.0078782	-0.16	0.877	-.0170241	.0145792
cohort2000	.0023431	.0025576	0.92	0.364	-.0027869	.0074731
cohort2001	.005659	.0028277	2.00	0.050	-.0000127	.0113307
cohort2002	.0068556	.0053379	1.28	0.205	-.003851	.0175621
cohort2003	.0048782	.0057521	0.85	0.400	-.0066592	.0164155
cohort2004	.0157006	.0092615	1.70	0.096	-.0028755	.0342768
award_b4_tsd	-.0045077	.0030702	-1.47	0.148	-.0106656	.0016503
diaward_tsd	-.0002205	.000097	-2.27	0.027	-.000415	-.000026
epeb4twp_flag	-.0927779	.035019	-2.65	0.011	-.1630172	-.0225386
ldwb4twp_flag	.1014964	.0563225	1.80	0.077	-.0114723	.214465
ldwb4epe_flag	.1160709	.0227628	5.10	0.000	.0704145	.1617273
twpb4tsd	.1538544	.0125209	12.29	0.000	.1287405	.1789682
epeb4tsd	.0593083	.0054781	10.83	0.000	.0483207	.0702959
ldwb4tsd	-.0933583	.0176637	-5.29	0.000	-.1287871	-.0579295
st_AL	.0031051	.001105	2.81	0.007	.0008887	.0053215
st_AR	-.0076188	.0011502	-6.62	0.000	-.0099258	-.0053117
st_AZ	.0157503	.0011944	13.19	0.000	.0133547	.0181459
st_CA	.0117629	.0009673	12.16	0.000	.0098228	.0137031
st_CO	-.0043541	.0013262	-3.28	0.002	-.007014	-.0016942
st_CT	.0078559	.0012198	6.44	0.000	.0054092	.0103026
st_DC	-.0277175	.0013787	-20.10	0.000	-.0304829	-.0249522
st_DE	-.0010479	.0021958	-0.48	0.635	-.0054521	.0033563
st_FL	-.0056645	.0011562	-4.90	0.000	-.0079836	-.0033454
st_GA	.0034677	.0012531	2.77	0.008	.0009543	.005981
st_HI	.0109557	.0010839	10.11	0.000	.0087816	.0131298
st_IA	-.0189555	.0012689	-14.94	0.000	-.0215005	-.0164105
st_ID	.0086362	.0011906	7.25	0.000	.0062481	.0110243
st_IL	-.0133618	.0010779	-12.40	0.000	-.0155237	-.0111999
st_IN	-.0093851	.0010975	-8.55	0.000	-.0115864	-.0071838
st_KS	.0028643	.0012034	2.38	0.021	.0004505	.0052781
st_KY	-.002463	.00121	-2.04	0.047	-.00489	-.000036
st_LA	.0091001	.0015454	5.89	0.000	.0060005	.0121997
st_MA	.0005914	.001091	0.54	0.590	-.0015969	.0027797
st_MD	.0117486	.001028	11.43	0.000	.0096866	.0138106
st_ME	.0078405	.0011527	6.80	0.000	.0055285	.0101525
st_MI	-.0017568	.0011326	-1.55	0.127	-.0040285	.0005148

st_MN	.0088947	.0011026	8.07	0.000	.0066832	.0111062
st_MO	-.0043579	.0011846	-3.68	0.001	-.0067338	-.0019819
st_MS	.0024838	.0012444	2.00	0.051	-.0000122	.0049797
st_MT	.0623157	.0012866	48.43	0.000	.0597351	.0648963
st_NC	.0053758	.0010292	5.22	0.000	.0033116	.00744
st_ND	-.0427208	.0033365	-12.80	0.000	-.0494129	-.0360287
st_NE	.0046922	.0010488	4.47	0.000	.0025886	.0067959
st_NH	-.0060551	.0013757	-4.40	0.000	-.0088144	-.0032959
st_NJ	-.0038615	.0010853	-3.56	0.001	-.0060384	-.0016847
st_NM	-.0242115	.0016632	-14.56	0.000	-.0275475	-.0208755
st_NV	-.0136245	.0009204	-14.80	0.000	-.0154706	-.0117784
st_NY	-.0073807	.0011286	-6.54	0.000	-.0096444	-.0051169
st_OH	.0039462	.0010097	3.91	0.000	.0019211	.0059713
st_OK	-.006978	.0012962	-5.38	0.000	-.0095779	-.0043782
st_OR	-.0037849	.0012541	-3.02	0.004	-.0063003	-.0012695
st_PA	.0092578	.0010529	8.79	0.000	.007146	.0113697
st_PR	.0028771	.0014885	1.93	0.059	-.0001085	.0058627
st_RI	.0115999	.0011039	10.51	0.000	.0093858	.0138139
st_SC	.0049311	.0013223	3.73	0.000	.002279	.0075833
st_SD	-.0231398	.003026	-7.65	0.000	-.0292092	-.0170703
st_TN	-.0061986	.0012166	-5.10	0.000	-.0086387	-.0037584
st_TX	.0101651	.0010263	9.90	0.000	.0081065	.0122237
st_UT	.0057267	.0011125	5.15	0.000	.0034954	.007958
st_VA	.0016114	.0012002	1.34	0.185	-.0007958	.0040186
st_VT	.0435194	.001489	29.23	0.000	.0405328	.0465061
st_WA	.0077551	.00102	7.60	0.000	.0057091	.009801
st_WI	-.0146456	.0012563	-11.66	0.000	-.0171654	-.0121258
st_WV	.008767	.0013311	6.59	0.000	.0060971	.0114369
st_WY	-.0012224	.0011919	-1.03	0.310	-.003613	.0011682
pia1	-8.29e-06	2.85e-06	-2.91	0.005	-.000014	-2.59e-06
pia_miss	-.018456	.0033046	-5.58	0.000	-.0250842	-.0118278
ime1	4.33e-06	8.87e-07	4.88	0.000	2.55e-06	6.10e-06
ime_miss	.0045351	.001644	2.76	0.008	.0012377	.0078325
_cons	-.0005051	.0074733	-0.07	0.946	-.0154946	.0144845

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

ldwroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0007151	.0008885	0.80	0.425	-.001067 .0024971

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj =
-.0007151

ldwroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	2.49e-18	.0008885	0.00	1.000	-.001782 .001782

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0

(9) imm30_adj = 0

F(9, 53) = 4.77
Prob > F = 0.0001

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
imm28_adj + imm29_adj + imm30_adj = 0

F(1, 53) = 0.65
Prob > F = 0.4245

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 53) = 4.42
Prob > F = 0.0006

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH3_nounemp.xls
dir : seeout

Linear regression

Number of obs = 114657
F(52, 53) = .
Prob > F = .
R-squared = 0.1204
Root MSE = .17628

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll124	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	-.0020073	.000991	-2.03	0.048	-.0039949	-.0000197
imm23_adj	.0023962	.001408	1.70	0.095	-.0004278	.0052202
imm24_adj	.0005948	.0009084	0.65	0.515	-.0012271	.0024168
imm25_adj	.0003267	.0015636	0.21	0.835	-.0028095	.003463
imm26_adj	-.0007703	.001783	-0.43	0.667	-.0043466	.002806
imm27_adj	.0018487	.0014203	1.30	0.199	-.001	.0046974
imm28_adj	.0012999	.0011334	1.15	0.257	-.0009733	.0035731
imm29_adj	-.0030161	.0012532	-2.41	0.020	-.0055296	-.0005025
imm30_adj	.0002659	.0015578	0.17	0.865	-.0028586	.0033905
male	.0040875	.0011467	3.56	0.001	.0017874	.0063876
gendermiss_flag	-.0225922	.0061919	-3.65	0.001	-.0350115	-.0101729
tsd_age	-.0008866	.0001462	-6.07	0.000	-.0011798	-.0005934
doage2	-.0001365	.0000765	-1.78	0.080	-.0002901	.000017
doage2miss_flag	-.1460801	.0116668	-12.52	0.000	-.1694807	-.1226795
race_a	.0013241	.0038663	0.34	0.733	-.0064308	.0090789
race_b	.0098801	.0026078	3.79	0.000	.0046496	.0151107
race_h	.0058946	.0012609	4.67	0.000	.0033656	.0084236
race_i	-.0012013	.0055785	-0.22	0.830	-.0123904	.0099877
race_o	.0206788	.0056569	3.66	0.001	.0093324	.0320252
race_mis	.0075271	.005079	1.48	0.144	-.0026602	.0177143
tsd_edu_hs	.0058786	.0010718	5.48	0.000	.0037289	.0080282
tsd_edu_mrhs	.0159565	.001747	9.13	0.000	.0124525	.0194606
tsd_edu_mis	.0102082	.0016196	6.30	0.000	.0069596	.0134568
tsd_mie_exp	.0051656	.0026155	1.98	0.053	-.0000804	.0104115
tsd_mie_mis	-.0037451	.0015135	-2.47	0.017	-.0067807	-.0007094
tsd_mie_psbl	-.0008078	.0011985	-0.67	0.503	-.0032116	.001596

tsd_medicare	-.01038	.0012188	-8.52	0.000	-.0128245	-.0079355
tsd_medicare_miss	-.0235224	.0054384	-4.33	0.000	-.0344304	-.0126144
tsd_depend_1	-.0041995	.0014758	-2.85	0.006	-.0071596	-.0012394
tsd_depend_2	-.0012703	.001886	-0.67	0.504	-.0050531	.0025125
tsd_depend_miss	-.0020797	.0047822	-0.43	0.665	-.0116716	.0075122
tsd_vrpr	.0132704	.0046352	2.86	0.006	.0039733	.0225674
tsd_vrpr_miss	.0055093	.0035905	1.53	0.131	-.0016924	.0127109
pdcgrou2	-.0091552	.0018301	-5.00	0.000	-.012826	-.0054844
pdcgrou3	.0052819	.0013561	3.89	0.000	.0025619	.008002
pdcgrou4	.001382	.0012022	1.15	0.255	-.0010293	.0037933
pdcgrou5	-.001997	.0108938	-0.18	0.855	-.0238471	.0198531
cohort2000	-.001771	.0026488	-0.67	0.507	-.0070838	.0035419
cohort2001	.0000381	.0030273	0.01	0.990	-.0060338	.0061101
cohort2002	-.0008294	.0056744	-0.15	0.884	-.0122108	.0105519
cohort2003	.0012254	.0076913	0.16	0.874	-.0142015	.0166523
cohort2004	.0333629	.0170731	1.95	0.056	-.0008814	.0676072
award_b4_tsd	-.0138518	.008445	-1.64	0.107	-.0307904	.0030868
diaward_tsd	-.0005767	.0001551	-3.72	0.000	-.0008877	-.0002656
epeb4twp_flag	-.1005622	.0421836	-2.38	0.021	-.1851717	-.0159526
ldwb4twp_flag	.1056239	.0545525	1.94	0.058	-.0037946	.2150424
ldwb4epe_flag	.2749634	.0315588	8.71	0.000	.2116645	.3382623
twpb4tsd	.2102535	.0131056	16.04	0.000	.183967	.2365401
epeb4tsd	.0565807	.0052558	10.77	0.000	.0460389	.0671225
ldwb4tsd	-.1308558	.021751	-6.02	0.000	-.1744829	-.0872288
st_AL	.0042769	.0020233	2.11	0.039	.0002187	.0083351
st_AR	.0032847	.0025436	1.29	0.202	-.0018172	.0083866
st_AZ	.0120761	.0021875	5.52	0.000	.0076886	.0164636
st_CA	.0200935	.0016273	12.35	0.000	.0168294	.0233575
st_CO	-.0086409	.0014988	-5.77	0.000	-.0116472	-.0056346
st_CT	.0430117	.00201	21.40	0.000	.0389802	.0470432
st_DC	-.0471074	.0021154	-22.27	0.000	-.0513504	-.0428644
st_DE	.0140866	.0030653	4.60	0.000	.0079383	.0202349
st_FL	-.0126549	.0020428	-6.19	0.000	-.0167522	-.0085575
st_GA	.0021461	.002191	0.98	0.332	-.0022485	.0065407
st_HI	.0136677	.0013787	9.91	0.000	.0109024	.0164329
st_IA	-.035567	.0016033	-22.18	0.000	-.0387829	-.0323512
st_ID	.0123718	.0014754	8.39	0.000	.0094125	.0153312
st_IL	-.009219	.0019258	-4.79	0.000	-.0130816	-.0053564
st_IN	.0029503	.0020292	1.45	0.152	-.0011198	.0070204
st_KS	.0023167	.0024341	0.95	0.346	-.0025655	.007199
st_KY	-.000214	.0023944	-0.09	0.929	-.0050165	.0045885
st_LA	-.0033373	.0024261	-1.38	0.175	-.0082034	.0015288
st_MA	-.0110669	.0023062	-4.80	0.000	-.0156925	-.0064412
st_MD	.0189889	.0017711	10.72	0.000	.0154366	.0225413
st_ME	.0141602	.0020187	7.01	0.000	.0101113	.0182091
st_MI	.0009463	.0020856	0.45	0.652	-.0032369	.0051294
st_MN	.0136897	.0014533	9.42	0.000	.0107748	.0166046
st_MO	.0011486	.0017014	0.68	0.503	-.0022639	.0045611
st_MS	-.0013122	.0022449	-0.58	0.561	-.0058149	.0031906
st_MT	.0404437	.0020723	19.52	0.000	.0362873	.0446001
st_NC	.0031367	.0017363	1.81	0.077	-.0003458	.0066192
st_ND	-.0696161	.0027634	-25.19	0.000	-.0751589	-.0640733
st_NE	.0088441	.0016811	5.26	0.000	.0054723	.0122159
st_NH	.0060097	.0017403	3.45	0.001	.0025191	.0095003
st_NJ	-.0049704	.0018286	-2.72	0.009	-.0086381	-.0013027
st_NM	-.0255605	.0020331	-12.57	0.000	-.0296384	-.0214826
st_NV	-.0160291	.0019624	-8.17	0.000	-.0199652	-.012093
st_NY	-.0040871	.0020907	-1.95	0.056	-.0082805	.0001062
st_OH	.0080308	.0016944	4.74	0.000	.0046322	.0114294
st_OK	-.0220715	.0021087	-10.47	0.000	-.0263009	-.017842
st_OR	-.0096667	.0020973	-4.61	0.000	-.0138734	-.00546
st_PA	.0133704	.0018785	7.12	0.000	.0096026	.0171382
st_PR	-.002879	.0028816	-1.00	0.322	-.0086587	.0029007

st_RI	.0188988	.0017293	10.93	0.000	.0154303	.0223673
st_SC	-.0019323	.0025631	-0.75	0.454	-.0070732	.0032087
st_SD	-.0548044	.0040627	-13.49	0.000	-.0629533	-.0466556
st_TN	-.0091271	.0023376	-3.90	0.000	-.0138158	-.0044384
st_TX	.0140348	.0017021	8.25	0.000	.0106208	.0174488
st_UT	.0099334	.0017635	5.63	0.000	.0063964	.0134705
st_VA	.0089485	.0022985	3.89	0.000	.0043383	.0135588
st_VT	.0332925	.0031333	10.63	0.000	.0270079	.039577
st_WA	.0187488	.0017871	10.49	0.000	.0151644	.0223332
st_WI	-.0070045	.0016516	-4.24	0.000	-.0103173	-.0036918
st_WV	.0095855	.0024638	3.89	0.000	.0046437	.0145273
st_WY	-.0056188	.0016394	-3.43	0.001	-.008907	-.0023306
pia1	-.0000108	3.45e-06	-3.14	0.003	-.0000178	-3.91e-06
pia_miss	-.0208163	.004464	-4.66	0.000	-.02977	-.0118627
ime1	6.61e-06	1.18e-06	5.59	0.000	4.24e-06	8.99e-06
ime_miss	-.0017386	.0024893	-0.70	0.488	-.0067316	.0032544
_cons	.0518887	.00941	5.51	0.000	.0330146	.0707628

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

ldwroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0009387	.0008539	-1.10	0.277	-.0026513 .000774

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = .0009387

ldwroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-3.12e-17	.0008539	-0.00	1.000	-.0017127 .0017127

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 53) = 2.30
Prob > F = 0.0292

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 53) = 1.21
Prob > F = 0.2766

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 53) = 2.47
 Prob > F = 0.0289

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.1203
 Root MSE = .21025

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	-.0017405	.0014384	-1.21	0.232	-.0046255	.0011446
imm23_adj	.0040673	.0023812	1.71	0.093	-.0007088	.0088434
imm24_adj	-.0004453	.0015859	-0.28	0.780	-.0036263	.0027356
imm25_adj	-.0008195	.0015629	-0.52	0.602	-.0039543	.0023153
imm26_adj	-.0002052	.0022673	-0.09	0.928	-.0047528	.0043425
imm27_adj	.00282	.0018329	1.54	0.130	-.0008564	.0064964
imm28_adj	.0009709	.0013275	0.73	0.468	-.0016916	.0036335
imm29_adj	-.0035717	.0014755	-2.42	0.019	-.0065312	-.0006121
imm30_adj	-.0006502	.0021126	-0.31	0.759	-.0048876	.0035872
male	.0055389	.0015599	3.55	0.001	.00241	.0086677
gendermiss_flag	-.035343	.0068175	-5.18	0.000	-.0490171	-.0216689
tsd_age	-.0014463	.0001976	-7.32	0.000	-.0018426	-.0010499
doage2	-.0003231	.000124	-2.61	0.012	-.0005718	-.0000744
doage2miss_flag	-.1474146	.013218	-11.15	0.000	-.1739266	-.1209026
race_a	.0026254	.0028626	0.92	0.363	-.0031163	.008367
race_b	.0150469	.0025543	5.89	0.000	.0099236	.0201702
race_h	.0063937	.0024615	2.60	0.012	.0014566	.0113307
race_i	.0045522	.0067328	0.68	0.502	-.0089521	.0180564
race_o	.016557	.0059481	2.78	0.007	.0046267	.0284873
race_mis	.0052391	.0062212	0.84	0.403	-.0072389	.0177172
tsd_edu_hs	.0084386	.0012495	6.75	0.000	.0059324	.0109447
tsd_edu_mrhs	.0218429	.0020526	10.64	0.000	.017726	.0259598
tsd_edu_mis	.0134751	.0014854	9.07	0.000	.0104959	.0164544
tsd_mie_exp	.003994	.0039745	1.00	0.320	-.0039779	.0119659
tsd_mie_mis	-.00341	.0019754	-1.73	0.090	-.0073722	.0005522
tsd_mie_psbl	-.002099	.0015829	-1.33	0.191	-.0052738	.0010759
tsd_medicare	-.0135787	.0014384	-9.44	0.000	-.0164637	-.0106936
tsd_medicare_miss	-.0369255	.0069601	-5.31	0.000	-.0508858	-.0229653
tsd_depend_1	-.0027381	.0018623	-1.47	0.147	-.0064734	.0009971
tsd_depend_2	.0009933	.0025094	0.40	0.694	-.0040399	.0060265
tsd_depend_miss	-.0092459	.0053775	-1.72	0.091	-.0200318	.00154
tsd_vrpr	.0002518	.0040817	0.06	0.951	-.007935	.0084386
tsd_vrpr_miss	-.0180228	.0042327	-4.26	0.000	-.0265126	-.009533
pdcgrou2	-.0145692	.0027336	-5.33	0.000	-.0200521	-.0090863
pdcgrou3	.005245	.0016261	3.23	0.002	.0019835	.0085066
pdcgrou4	-.0019669	.0019776	-0.99	0.324	-.0059334	.0019995
pdcgrou5	-.0134513	.0115663	-1.16	0.250	-.0366505	.0097479
cohort2000	-.0026546	.0023275	-1.14	0.259	-.0073229	.0020137
cohort2001	-.0025306	.0035621	-0.71	0.481	-.0096753	.0046141
cohort2002	-.0057014	.0062621	-0.91	0.367	-.0182616	.0068589
cohort2003	-.0026862	.0084961	-0.32	0.753	-.0197272	.0143549
cohort2004	.0463769	.0199937	2.32	0.024	.0062745	.0864792
award_b4_tsd	-.0025643	.0130522	-0.20	0.845	-.0287437	.0236151
diaward_tsd	-.0007544	.0002055	-3.67	0.001	-.0011666	-.0003421

epeb4twp_flag	-.2244789	.0587534	-3.82	0.000	-.3423232	-.1066346
ldwb4twp_flag	.3523712	.0825599	4.27	0.000	.186777	.5179654
ldwb4epe_flag	.393049	.0308196	12.75	0.000	.3312326	.4548653
twpb4tsd	.245298	.0125574	19.53	0.000	.2201111	.270485
epeb4tsd	.0458616	.0059941	7.65	0.000	.0338389	.0578843
ldwb4tsd	-.1627688	.0229298	-7.10	0.000	-.2087601	-.1167774
st_AL	.0071673	.0020657	3.47	0.001	.003024	.0113106
st_AR	-.0088983	.0023443	-3.80	0.000	-.0136004	-.0041961
st_AZ	.0053036	.0023118	2.29	0.026	.0006668	.0099404
st_CA	.0317242	.0020027	15.84	0.000	.0277072	.0357411
st_CO	.018431	.0023498	7.84	0.000	.013718	.0231441
st_CT	.0431561	.0024843	17.37	0.000	.0381732	.0481389
st_DC	-.0077182	.0028574	-2.70	0.009	-.0134495	-.0019869
st_DE	.0000347	.0022943	0.02	0.988	-.0045671	.0046366
st_FL	-.0131064	.0023054	-5.69	0.000	-.0177305	-.0084824
st_GA	.0018975	.0020595	0.92	0.361	-.0022333	.0060282
st_HI	.0252633	.0020874	12.10	0.000	.0210765	.0294502
st_IA	-.0356348	.0025215	-14.13	0.000	-.0406922	-.0305774
st_ID	.0112364	.0024875	4.52	0.000	.0062472	.0162257
st_IL	.0024967	.0021981	1.14	0.261	-.0019122	.0069056
st_IN	.002588	.0021595	1.20	0.236	-.0017433	.0069193
st_KS	.0153305	.0020843	7.36	0.000	.01115	.019511
st_KY	.0232964	.0022019	10.58	0.000	.0188799	.027713
st_LA	.0099842	.0022031	4.53	0.000	.0055652	.0144031
st_MA	.0020343	.002316	0.88	0.384	-.002611	.0066796
st_MD	.0241071	.0020452	11.79	0.000	.0200049	.0282093
st_ME	.0242344	.0021807	11.11	0.000	.0198604	.0286083
st_MI	.0055842	.002162	2.58	0.013	.0012477	.0099207
st_MN	.0222438	.0024464	9.09	0.000	.0173369	.0271507
st_MO	-.0017853	.0023777	-0.75	0.456	-.0065544	.0029838
st_MS	.0090733	.0022613	4.01	0.000	.0045377	.0136088
st_MT	.0213527	.002572	8.30	0.000	.016194	.0265114
st_NC	.0045633	.0021356	2.14	0.037	.0002798	.0088468
st_ND	-.0874	.0045039	-19.41	0.000	-.0964337	-.0783663
st_NE	.011917	.0021721	5.49	0.000	.0075603	.0162737
st_NH	-.0092993	.002601	-3.58	0.001	-.0145162	-.0040824
st_NJ	.0112508	.0022706	4.96	0.000	.0066966	.0158051
st_NM	.0157354	.0031204	5.04	0.000	.0094767	.0219941
st_NV	-.0040867	.0021269	-1.92	0.060	-.0083528	.0001793
st_NY	.0064951	.0022775	2.85	0.006	.001927	.0110633
st_OH	.0104574	.0022075	4.74	0.000	.0060298	.0148851
st_OK	-.0164097	.0022212	-7.39	0.000	-.0208649	-.0119546
st_OR	-.0233818	.0022743	-10.28	0.000	-.0279435	-.0188201
st_PA	.0181514	.0020862	8.70	0.000	.0139669	.0223359
st_PR	-.0053202	.002907	-1.83	0.073	-.0111508	.0005104
st_RI	.0260394	.0021919	11.88	0.000	.0216429	.0304358
st_SC	-.0087237	.002258	-3.86	0.000	-.0132526	-.0041948
st_SD	-.0804839	.0043139	-18.66	0.000	-.0891365	-.0718313
st_TN	-.0115443	.0021137	-5.46	0.000	-.0157839	-.0073047
st_TX	.0194297	.0020958	9.27	0.000	.0152262	.0236333
st_UT	.0120922	.0021405	5.65	0.000	.007799	.0163855
st_VA	.0233933	.0020755	11.27	0.000	.0192303	.0275563
st_VT	.0679628	.0027143	25.04	0.000	.0625186	.0734069
st_WA	.0233658	.0021004	11.12	0.000	.0191529	.0275787
st_WI	.0088589	.0024996	3.54	0.001	.0038454	.0138724
st_WV	.0110841	.0022201	4.99	0.000	.0066311	.0155371
st_WY	-.0035063	.0022998	-1.52	0.133	-.0081191	.0011065
pial	-4.67e-06	4.30e-06	-1.09	0.283	-.0000133	3.96e-06
pia_miss	-.0174965	.0047428	-3.69	0.001	-.0270095	-.0079836
ime1	4.91e-06	1.48e-06	3.33	0.002	1.95e-06	7.87e-06
ime_miss	-.0125118	.0031609	-3.96	0.000	-.0188519	-.0061718
_cons	.1143303	.0149915	7.63	0.000	.0842611	.1443995

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

ldwroll136	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.000426	.0015249	-0.28	0.781	-.0034845 .0026326

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = .000426

ldwroll136	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-5.75e-18	.0015249	-0.00	1.000	-.0030585 .0030585

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 53) = 2.45
 Prob > F = 0.0205

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 53) = 0.08
 Prob > F = 0.7811

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 53) = 1.77
 Prob > F = 0.1133

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression
 Number of obs = 114657
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.1137
 Root MSE = .23678

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll148	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
------------	-------	------------------	---	------	----------------------

imm21_adj	-.0016147	.0012137	-1.33	0.189	-.004049	.0008196
imm23_adj	.0029716	.0028967	1.03	0.310	-.0028385	.0087816
imm24_adj	-.0000818	.001982	-0.04	0.967	-.0040572	.0038935
imm25_adj	-.0008246	.0020302	-0.41	0.686	-.0048966	.0032473
imm26_adj	-.0004818	.0028968	-0.17	0.869	-.0062921	.0053284
imm27_adj	.005354	.0018031	2.97	0.004	.0017374	.0089706
imm28_adj	.0003467	.0013648	0.25	0.800	-.0023908	.0030842
imm29_adj	-.004464	.0017697	-2.52	0.015	-.0080136	-.0009144
imm30_adj	.0003645	.0026201	0.14	0.890	-.0048908	.0056197
male	.0077995	.0016831	4.63	0.000	.0044236	.0111755
gendermiss_flag	-.0484047	.0080247	-6.03	0.000	-.0645003	-.0323091
tsd_age	-.0022141	.0002776	-7.98	0.000	-.0027709	-.0016574
doage2	-.0003187	.0001759	-1.81	0.076	-.0006716	.0000341
doage2miss_flag	-.140648	.0148058	-9.50	0.000	-.1703448	-.1109513
race_a	-.0019995	.0040317	-0.50	0.622	-.0100861	.006087
race_b	.0211567	.0031692	6.68	0.000	.0148001	.0275134
race_h	.006684	.0038328	1.74	0.087	-.0010037	.0143717
race_i	.0079617	.009078	0.88	0.384	-.0102465	.0261699
race_o	.0216499	.0069674	3.11	0.003	.0076752	.0356247
race_mis	.0018175	.0072804	0.25	0.804	-.0127851	.0164201
tsd_edu_hs	.0089513	.0017994	4.97	0.000	.0053422	.0125604
tsd_edu_mrhs	.0286093	.0025377	11.27	0.000	.0235194	.0336993
tsd_edu_mis	.0159828	.0019567	8.17	0.000	.0120581	.0199074
tsd_mie_exp	.0066821	.0053484	1.25	0.217	-.0040455	.0174097
tsd_mie_mis	-.0043728	.0027032	-1.62	0.112	-.0097947	.001049
tsd_mie_psbl	-.0027716	.0019296	-1.44	0.157	-.0066419	.0010988
tsd_medicare	-.0156339	.0022123	-7.07	0.000	-.0200713	-.0111965
tsd_medicare_miss	-.0491822	.0086862	-5.66	0.000	-.0666045	-.0317599
tsd_depend_1	-.0022678	.0022467	-1.01	0.317	-.0067742	.0022386
tsd_depend_2	.004043	.002966	1.36	0.179	-.0019061	.0099921
tsd_depend_miss	-.0133683	.0060813	-2.20	0.032	-.0255658	-.0011708
tsd_vrpr	-.0179027	.0053267	-3.36	0.001	-.0285867	-.0072188
tsd_vrpr_miss	-.0437557	.0073118	-5.98	0.000	-.0584213	-.0290901
pdcgrou2	-.021745	.0029707	-7.32	0.000	-.0277035	-.0157865
pdcgrou3	.0039127	.0022654	1.73	0.090	-.0006311	.0084565
pdcgrou4	-.0057916	.0021765	-2.66	0.010	-.0101572	-.001426
pdcgrou5	-.0261112	.0117526	-2.22	0.031	-.0496839	-.0025385
cohort2000	-.0047049	.0026716	-1.76	0.084	-.0100635	.0006536
cohort2001	-.0070329	.003373	-2.09	0.042	-.0137982	-.0002675
cohort2002	-.0126466	.0062472	-2.02	0.048	-.0251769	-.0001163
cohort2003	-.0086062	.00851	-1.01	0.316	-.0256751	.0084627
cohort2004	.0516371	.0222377	2.32	0.024	.0070339	.0962402
award_b4_tsd	.0009509	.0126606	0.08	0.940	-.0244431	.0263449
diaward_tsd	-.0009564	.0002172	-4.40	0.000	-.001392	-.0005209
epeb4twp_flag	-.2307599	.059067	-3.91	0.000	-.3492333	-.1122866
ldwb4twp_flag	.3504093	.0811582	4.32	0.000	.1876266	.5131919
ldwb4epe_flag	.4730641	.0356891	13.26	0.000	.401481	.5446473
twpb4tsd	.2551599	.0116817	21.84	0.000	.2317294	.2785905
epeb4tsd	.0393656	.0069346	5.68	0.000	.0254565	.0532747
ldwb4tsd	-.1830137	.0225609	-8.11	0.000	-.2282651	-.1377622
st_AL	-.0117059	.0024543	-4.77	0.000	-.0166287	-.0067831
st_AR	-.0162623	.0024867	-6.54	0.000	-.02125	-.0112747
st_AZ	.0095111	.0025566	3.72	0.000	.0043832	.014639
st_CA	.0209751	.0022729	9.23	0.000	.0164163	.025534
st_CO	.0005869	.0026876	0.22	0.828	-.0048038	.0059775
st_CT	.0452511	.0027028	16.74	0.000	.0398299	.0506722
st_DC	.0137352	.0035097	3.91	0.000	.0066956	.0207749
st_DE	-.033377	.0027328	-12.21	0.000	-.0388583	-.0278957
st_FL	-.0207925	.0025691	-8.09	0.000	-.0259454	-.0156396
st_GA	-.0113539	.0025348	-4.48	0.000	-.016438	-.0062698
st_HI	.014377	.0024589	5.85	0.000	.009445	.019309
st_IA	-.0382044	.0028906	-13.22	0.000	-.0440021	-.0324067

st_ID	-.0005373	.00319	-0.17	0.867	-.0069356	.005861
st_IL	.0010824	.0025176	0.43	0.669	-.0039673	.006132
st_IN	-.0290249	.0026731	-10.86	0.000	-.0343864	-.0236634
st_KS	-.0026623	.0023012	-1.16	0.252	-.007278	.0019533
st_KY	.0023152	.0026945	0.86	0.394	-.0030892	.0077197
st_LA	-.0120187	.002479	-4.85	0.000	-.0169909	-.0070465
st_MA	.003263	.0026841	1.22	0.229	-.0021207	.0086467
st_MD	.009758	.0024802	3.93	0.000	.0047833	.0147328
st_ME	.003575	.0026163	1.37	0.178	-.0016726	.0088225
st_MI	-.0086942	.0025174	-3.45	0.001	-.0137434	-.0036449
st_MN	.007166	.0029549	2.43	0.019	.0012391	.0130929
st_MO	-.0051033	.0030045	-1.70	0.095	-.0111295	.0009229
st_MS	-.0045506	.0029517	-1.54	0.129	-.0104709	.0013697
st_MT	-.0127594	.0031267	-4.08	0.000	-.0190308	-.006488
st_NC	-.0166967	.0026917	-6.20	0.000	-.0220954	-.0112979
st_ND	-.1204392	.0044119	-27.30	0.000	-.1292883	-.1115901
st_NE	-.0025737	.0025635	-1.00	0.320	-.0077155	.0025681
st_NH	-.0114553	.0032535	-3.52	0.001	-.017981	-.0049296
st_NJ	-.0061659	.0026291	-2.35	0.023	-.0114391	-.0008927
st_NM	.0023623	.0032593	0.72	0.472	-.004175	.0088995
st_NV	-.0223333	.0022436	-9.95	0.000	-.0268333	-.0178333
st_NY	.0008047	.0024641	0.33	0.745	-.0041376	.0057469
st_OH	-.0066718	.0027179	-2.45	0.017	-.0121231	-.0012204
st_OK	-.0288898	.0025356	-11.39	0.000	-.0339756	-.023804
st_OR	-.0146098	.0026741	-5.46	0.000	-.0199734	-.0092462
st_PA	.0040198	.002459	1.63	0.108	-.0009123	.0089518
st_PR	-.029165	.0029845	-9.77	0.000	-.0351511	-.0231789
st_RI	.0114388	.0026216	4.36	0.000	.0061805	.016697
st_SC	-.0267828	.0026392	-10.15	0.000	-.0320764	-.0214892
st_SD	-.1207686	.00475	-25.42	0.000	-.1302959	-.1112413
st_TN	-.0370224	.0025705	-14.40	0.000	-.0421782	-.0318667
st_TX	.0050284	.0023582	2.13	0.038	.0002984	.0097584
st_UT	.0003893	.002477	0.16	0.876	-.004579	.0053575
st_VA	.0039573	.0023242	1.70	0.094	-.0007044	.008619
st_VT	.0843787	.0028031	30.10	0.000	.0787565	.090001
st_WA	.0103689	.0024729	4.19	0.000	.0054088	.015329
st_WI	-.0154779	.0029084	-5.32	0.000	-.0213114	-.0096445
st_WV	-.0064373	.002501	-2.57	0.013	-.0114536	-.001421
st_WY	-.0014979	.0026825	-0.56	0.579	-.0068783	.0038825
pial	-4.33e-06	4.96e-06	-0.87	0.386	-.0000143	5.61e-06
pia_miss	-.0197092	.0068768	-2.87	0.006	-.0335022	-.0059161
ime1	5.13e-06	1.49e-06	3.45	0.001	2.15e-06	8.11e-06
ime_miss	-.0168156	.0033788	-4.98	0.000	-.0235926	-.0100386
_cons	.2050137	.0200642	10.22	0.000	.1647701	.2452574

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

ldwroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0015698	.0014563	-1.08	0.286	-.0044907 .0013511

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = .0015698

ldwroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-4.90e-17	.0014563	-0.00	1.000	-.0029209 .0029209

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 53) = 3.61
 Prob > F = 0.0015

- (1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 53) = 1.16
 Prob > F = 0.2859

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 53) = 3.06
 Prob > F = 0.0088

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.1244
 Root MSE = .14775

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll112	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	-.0032871	.0015371	-2.14	0.037	-.0063702	-.000204
imm23_adj	.0003019	.0010807	0.28	0.781	-.0018657	.0024695
imm24_adj	.0008637	.0016686	0.52	0.607	-.002483	.0042105
imm25_adj	.0011975	.0012663	0.95	0.349	-.0013423	.0037373
imm26_adj	.0012424	.001316	0.94	0.349	-.0013972	.003882
imm27_adj	-.0004985	.0010602	-0.47	0.640	-.002625	.0016279
imm28_adj	.0003936	.0014476	0.27	0.787	-.0025099	.0032972
imm29_adj	-.0012263	.0015694	-0.78	0.438	-.0043742	.0019216
imm30_adj	.0002849	.0015434	0.18	0.854	-.0028107	.0033805
male	.0017439	.0010461	1.67	0.101	-.0003543	.003842
gendermiss_flag	-.0114147	.0030122	-3.79	0.000	-.0174565	-.0053729
tsd_age	-.0002042	.0001084	-1.88	0.065	-.0004216	.0000132
doage2	-.0003465	.0001014	-3.42	0.001	-.0005499	-.0001431
doage2miss_flag	-.0876453	.007118	-12.31	0.000	-.1019222	-.0733683
race_a	.0001945	.0031547	0.06	0.951	-.0061331	.006522
race_b	.0032991	.0015909	2.07	0.043	.0001081	.00649
race_h	.0012148	.0016638	0.73	0.469	-.0021224	.0045521

race_i	-.0069119	.0043053	-1.61	0.114	-.0155473	.0017235
race_o	.0105109	.0040063	2.62	0.011	.0024753	.0185464
race_mis	.0000577	.0028496	0.02	0.984	-.0056578	.0057732
tsd_edu_hs	.0029172	.0014539	2.01	0.050	1.07e-06	.0058333
tsd_edu_mrhs	.0074662	.001628	4.59	0.000	.0042009	.0107314
tsd_edu_mis	.0055339	.0017129	3.23	0.002	.0020983	.0089694
tsd_mie_exp	.0026479	.0029915	0.89	0.380	-.0033523	.008648
tsd_mie_mis	-.005514	.0019862	-2.78	0.008	-.0094979	-.0015301
tsd_mie_psbl	-.0049283	.0014516	-3.40	0.001	-.0078398	-.0020168
tsd_medicare	-.0100785	.0014932	-6.75	0.000	-.0130734	-.0070835
tsd_medicare_miss	-.0178555	.0036119	-4.94	0.000	-.0251	-.010611
tsd_depend_1	-.002677	.0013681	-1.96	0.056	-.0054211	.000067
tsd_depend_2	-.0013966	.0008591	-1.63	0.110	-.0031198	.0003266
tsd_depend_miss	-.0057245	.0039226	-1.46	0.150	-.0135923	.0021432
tsd_vrpr	.0111975	.0021243	5.27	0.000	.0069368	.0154583
tsd_vrpr_miss	.0006824	.001894	0.36	0.720	-.0031166	.0044813
pdcgrou2	.0007048	.00174	0.41	0.687	-.0027851	.0041948
pdcgrou3	.0044643	.0016618	2.69	0.010	.0011312	.0077975
pdcgrou4	.0030652	.0011143	2.75	0.008	.0008302	.0053002
pdcgrou5	-.0116364	.0041637	-2.79	0.007	-.0199876	-.0032851
cohort2000	-.0036306	.0015767	-2.30	0.025	-.0067931	-.0004682
cohort2001	-.0029925	.002547	-1.17	0.245	-.0081011	.0021161
cohort2002	-.0039785	.0041627	-0.96	0.344	-.0123278	.0043709
cohort2003	.0007698	.004924	0.16	0.876	-.0091065	.0106461
cohort2004	.0267506	.0084359	3.17	0.003	.0098303	.0436708
award_b4_tsd	-.009481	.0069329	-1.37	0.177	-.0233866	.0044245
diaward_tsd	-.0004351	.0001387	-3.14	0.003	-.0007134	-.0001569
epeb4twp_flag	.0581597	.0361051	1.61	0.113	-.014258	.1305774
ldwb4twp_flag	-.0056013	.0165846	-0.34	0.737	-.0388658	.0276632
ldwb4epe_flag	.0965313	.0268708	3.59	0.001	.0426352	.1504273
twpb4tsd	.2067502	.009451	21.88	0.000	.1877939	.2257064
epeb4tsd	-.0876531	.0108658	-8.07	0.000	-.1094471	-.0658592
ldwb4tsd	-.046561	.0045414	-10.25	0.000	-.0556698	-.0374522
st_AL	.0135818	.0016485	8.24	0.000	.0102754	.0168881
st_AR	.007921	.0019814	4.00	0.000	.0039468	.0118951
st_AZ	.0125183	.001703	7.35	0.000	.0091024	.0159341
st_CA	.0192172	.0012254	15.68	0.000	.0167594	.021675
st_CO	.009751	.001419	6.87	0.000	.0069048	.0125971
st_CT	.0398789	.0017607	22.65	0.000	.0363474	.0434103
st_DC	.0407841	.0027294	14.94	0.000	.0353097	.0462586
st_DE	-.0024424	.0020944	-1.17	0.249	-.0066434	.0017585
st_FL	.0073681	.0016139	4.57	0.000	.004131	.0106051
st_GA	.0046891	.0016472	2.85	0.006	.0013851	.007993
st_HI	.0117614	.0007998	14.71	0.000	.0101572	.0133655
st_IA	-.0191685	.0016538	-11.59	0.000	-.0224857	-.0158514
st_ID	.0160909	.0013196	12.19	0.000	.0134441	.0187376
st_IL	.0026562	.0018692	1.42	0.161	-.001093	.0064053
st_IN	-.0068885	.0018836	-3.66	0.001	-.0106666	-.0031104
st_KS	.007783	.0019215	4.05	0.000	.0039289	.0116371
st_KY	-.0016386	.0017907	-0.92	0.364	-.0052302	.001953
st_LA	.0044769	.002027	2.21	0.032	.0004113	.0085425
st_MA	-.0060218	.0017532	-3.43	0.001	-.0095383	-.0025054
st_MD	.0244869	.0016668	14.69	0.000	.0211437	.02783
st_ME	.0221594	.0017532	12.64	0.000	.018643	.0256757
st_MI	.0057584	.0017295	3.33	0.002	.0022894	.0092273
st_MN	.0230272	.0015721	14.65	0.000	.019874	.0261805
st_MO	-.0000997	.0016094	-0.06	0.951	-.0033278	.0031284
st_MS	-.0011031	.0020171	-0.55	0.587	-.005149	.0029427
st_MT	.011989	.0017596	6.81	0.000	.0084597	.0155183
st_NC	.0117189	.0014899	7.87	0.000	.0087304	.0147073
st_ND	-.040261	.0013201	-30.50	0.000	-.0429088	-.0376132
st_NE	.0130773	.0016548	7.90	0.000	.0097583	.0163964
st_NH	.0250653	.001728	14.51	0.000	.0215995	.0285311

st_NJ	.0212508	.0015764	13.48	0.000	.0180889	.0244127
st_NM	-.0049788	.0014259	-3.49	0.001	-.0078388	-.0021188
st_NV	.0159124	.0017194	9.25	0.000	.0124637	.0193611
st_NY	-.0011995	.0016308	-0.74	0.465	-.0044706	.0020715
st_OH	.0163705	.0016613	9.85	0.000	.0130383	.0197027
st_OK	.0120089	.0017189	6.99	0.000	.0085613	.0154565
st_OR	-.018837	.0015923	-11.83	0.000	-.0220307	-.0156434
st_PA	.018361	.0016253	11.30	0.000	.0151011	.0216209
st_PR	.0074098	.0017774	4.17	0.000	.0038449	.0109748
st_RI	.0280204	.0014869	18.84	0.000	.0250381	.0310027
st_SC	.002613	.0019445	1.34	0.185	-.0012873	.0065132
st_SD	-.0195514	.0044274	-4.42	0.000	-.0284315	-.0106712
st_TN	-.0002095	.0018306	-0.11	0.909	-.0038813	.0034623
st_TX	.0163266	.0014681	11.12	0.000	.013382	.0192713
st_UT	.0184249	.0015371	11.99	0.000	.0153418	.021508
st_VA	.0017994	.0020139	0.89	0.376	-.00224	.0058389
st_VT	.0001952	.0022713	0.09	0.932	-.0043605	.0047509
st_WA	.0196236	.0015388	12.75	0.000	.016537	.0227101
st_WI	.0083668	.0019372	4.32	0.000	.0044811	.0122524
st_WV	.0101733	.0018081	5.63	0.000	.0065467	.0137999
st_WY	.0259387	.0014849	17.47	0.000	.0229604	.0289171
pial	-.0000134	4.74e-06	-2.81	0.007	-.0000229	-3.84e-06
pia_miss	-.0162696	.0048867	-3.33	0.002	-.026071	-.0064682
ime1	4.46e-06	1.42e-06	3.15	0.003	1.62e-06	7.30e-06
ime_miss	-.0022127	.0020972	-1.06	0.296	-.0064191	.0019936
_cons	.0367375	.0041739	8.80	0.000	.0283657	.0451093

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

eperoll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0007279	.0010348	0.70	0.485	-.0013477 .0028035

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj =
-.0007279

eperoll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-2.93e-18	.0010348	-0.00	1.000	-.0020756 .0020756

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 53) = 1.03
Prob > F = 0.4300

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 53) = 0.49
 Prob > F = 0.4849

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 53) = 1.10
 Prob > F = 0.3762

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_nounemp.xls

dir : seeout

Linear regression

Number of obs = 114657
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.1289
 Root MSE = .20385

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	-.0018604	.0015377	-1.21	0.232	-.0049448	.0012239
imm23_adj	.0039857	.0024403	1.63	0.108	-.0009089	.0088804
imm24_adj	.0004032	.0017492	0.23	0.819	-.0031053	.0039116
imm25_adj	.0015331	.0012719	1.21	0.233	-.0010179	.0040841
imm26_adj	-.000035	.0022128	-0.02	0.987	-.0044733	.0044032
imm27_adj	.0002569	.0017719	0.14	0.885	-.0032971	.0038108
imm28_adj	-.0010504	.0015717	-0.67	0.507	-.0042028	.002102
imm29_adj	-.0023312	.0016394	-1.42	0.161	-.0056195	.000957
imm30_adj	-.0009078	.0017584	-0.52	0.608	-.0044348	.0026192
male	.0019853	.0015896	1.25	0.217	-.0012029	.0051736
gendermiss_flag	-.0280013	.0055214	-5.07	0.000	-.0390758	-.0169268
tsd_age	-.0010388	.0001303	-7.98	0.000	-.0013001	-.0007776
doage2	-.0003704	.0001649	-2.25	0.029	-.0007012	-.0000396
doage2miss_flag	-.0957286	.0117166	-8.17	0.000	-.1192291	-.0722282
race_a	.003153	.0037921	0.83	0.409	-.004453	.010759
race_b	.0110544	.0024982	4.42	0.000	.0060436	.0160652
race_h	.0012386	.0010764	1.15	0.255	-.0009204	.0033975
race_i	-.0088638	.0075395	-1.18	0.245	-.0239862	.0062585
race_o	.0097172	.0060131	1.62	0.112	-.0023435	.0217779
race_mis	-.0000649	.0044145	-0.01	0.988	-.0089194	.0087895
tsd_edu_hs	.0032025	.0014962	2.14	0.037	.0002015	.0062035
tsd_edu_mrhs	.0155018	.0017703	8.76	0.000	.011951	.0190527
tsd_edu_mis	.010181	.0019202	5.30	0.000	.0063297	.0140324
tsd_mie_exp	.0016377	.0038717	0.42	0.674	-.006128	.0094034
tsd_mie_mis	-.0093004	.0025264	-3.68	0.001	-.0143676	-.0042331
tsd_mie_psbl	-.0072663	.0013703	-5.30	0.000	-.0100148	-.0045178
tsd_medicare	-.0152584	.0023178	-6.58	0.000	-.0199073	-.0106095
tsd_medicare_miss	-.0424008	.0049394	-8.58	0.000	-.0523081	-.0324935
tsd_depend_1	-.0036492	.0017513	-2.08	0.042	-.0071619	-.0001365
tsd_depend_2	-.002855	.0016789	-1.70	0.095	-.0062224	.0005124
tsd_depend_miss	-.0204301	.0060846	-3.36	0.001	-.0326343	-.008226
tsd_vrpr	.0031819	.0042689	0.75	0.459	-.0053805	.0117443
tsd_vrpr_miss	-.0253162	.0045305	-5.59	0.000	-.0344032	-.0162291
pdcgrou2	-.0054181	.0021195	-2.56	0.013	-.0096691	-.001167

pdgroup3	.0032104	.0014333	2.24	0.029	.0003355	.0060852
pdgroup4	-.0001612	.001469	-0.11	0.913	-.0031077	.0027853
pdgroup5	-.0028402	.0131505	-0.22	0.830	-.0292166	.0235363
cohort2000	-.0093088	.0022157	-4.20	0.000	-.0137529	-.0048648
cohort2001	-.013928	.0038736	-3.60	0.001	-.0216973	-.0061586
cohort2002	-.01714	.0057327	-2.99	0.004	-.0286384	-.0056416
cohort2003	-.0106283	.0072105	-1.47	0.146	-.0250907	.0038341
cohort2004	.0474234	.0139414	3.40	0.001	.0194605	.0753863
award_b4_tsd	-.0132317	.0118977	-1.11	0.271	-.0370954	.0106321
diaward_tsd	-.000968	.0002231	-4.34	0.000	-.0014155	-.0005205
epeb4twp_flag	.076883	.0502568	1.53	0.132	-.0239194	.1776853
ldwb4twp_flag	-.0120201	.0237073	-0.51	0.614	-.0595709	.0355307
ldwb4epe_flag	.2541838	.0342025	7.43	0.000	.1855822	.3227853
twpb4tsd	.2732772	.0095923	28.49	0.000	.2540374	.2925169
epeb4tsd	-.1317629	.0132801	-9.92	0.000	-.1583996	-.1051263
ldwb4tsd	-.0757407	.0053615	-14.13	0.000	-.0864946	-.0649868
st_AL	-.0005006	.0030124	-0.17	0.869	-.0065427	.0055415
st_AR	-.0016648	.0029053	-0.57	0.569	-.0074922	.0041625
st_AZ	-.0116328	.0028096	-4.14	0.000	-.0172681	-.0059975
st_CA	.011598	.0026062	4.45	0.000	.0063706	.0168253
st_CO	-.0014926	.0028019	-0.53	0.596	-.0071124	.0041273
st_CT	.0432862	.0029535	14.66	0.000	.0373622	.0492103
st_DC	.0040282	.0036088	1.12	0.269	-.0032102	.0112665
st_DE	-.0412927	.0028715	-14.38	0.000	-.0470521	-.0355332
st_FL	-.0201457	.0027818	-7.24	0.000	-.0257252	-.0145661
st_GA	.0099731	.0027619	3.61	0.001	.0044334	.0155128
st_HI	.0104785	.0024432	4.29	0.000	.0055781	.0153789
st_IA	-.0145761	.0028804	-5.06	0.000	-.0203535	-.0087987
st_ID	.0069213	.0027135	2.55	0.014	.0014786	.0123639
st_IL	-.0184299	.0029189	-6.31	0.000	-.0242844	-.0125755
st_IN	-.0094106	.0027834	-3.38	0.001	-.0149934	-.0038279
st_KS	-.0008628	.0028558	-0.30	0.764	-.0065908	.0048652
st_KY	-.021	.0028867	-7.27	0.000	-.0267901	-.01521
st_LA	-.0121528	.0028043	-4.33	0.000	-.0177776	-.006528
st_MA	-.0231935	.0029247	-7.93	0.000	-.0290597	-.0173274
st_MD	.0169596	.0029182	5.81	0.000	.0111065	.0228127
st_ME	.0183415	.0029028	6.32	0.000	.0125193	.0241638
st_MI	-.0126318	.0027975	-4.52	0.000	-.0182428	-.0070207
st_MN	.0245425	.0028314	8.67	0.000	.0188635	.0302216
st_MO	-.0194336	.0028821	-6.74	0.000	-.0252144	-.0136528
st_MS	-.0272771	.0031026	-8.79	0.000	-.0335001	-.0210541
st_MT	-.032347	.0032105	-10.08	0.000	-.0387864	-.0259075
st_NC	-.0043464	.0028111	-1.55	0.128	-.0099847	.001292
st_ND	-.0864656	.0032889	-26.29	0.000	-.0930623	-.0798689
st_NE	.0038972	.0028563	1.36	0.178	-.0018319	.0096263
st_NH	-.0148752	.0029538	-5.04	0.000	-.0207998	-.0089506
st_NJ	-.0033305	.0028751	-1.16	0.252	-.0090972	.0024362
st_NM	.0308868	.0031214	9.90	0.000	.0246262	.0371475
st_NV	-.0170437	.0027347	-6.23	0.000	-.0225287	-.0115586
st_NY	-.0129681	.0028777	-4.51	0.000	-.01874	-.0071962
st_OH	.0058384	.0028826	2.03	0.048	.0000566	.0116203
st_OK	-.0049991	.0028675	-1.74	0.087	-.0107507	.0007524
st_OR	-.0378801	.002833	-13.37	0.000	-.0435623	-.0321978
st_PA	.0084754	.0028795	2.94	0.005	.0026997	.014251
st_PR	-.0132913	.0030779	-4.32	0.000	-.0194647	-.0071179
st_RI	.0316385	.0027328	11.58	0.000	.0261573	.0371198
st_SC	-.0212106	.0030287	-7.00	0.000	-.0272854	-.0151358
st_SD	-.0714857	.0046663	-15.32	0.000	-.0808451	-.0621264
st_TN	-.0109275	.0028564	-3.83	0.000	-.0166567	-.0051983
st_TX	.0056417	.0028757	1.96	0.055	-.0001262	.0114096
st_UT	.0065771	.0027821	2.36	0.022	.000997	.0121572
st_VA	-.0203632	.0028495	-7.15	0.000	-.0260785	-.0146478
st_VT	-.0316735	.0030232	-10.48	0.000	-.0377372	-.0256098

st_WA	.013164	.002772	4.75	0.000	.0076041	.0187238
st_WI	.0191987	.002936	6.54	0.000	.0133098	.0250876
st_WV	.0032599	.0029466	1.11	0.274	-.0026502	.0091699
st_WY	.0125152	.0028757	4.35	0.000	.0067472	.0182832
pial	-4.17e-06	5.86e-06	-0.71	0.480	-.0000159	7.59e-06
pia_miss	-.0037762	.006695	-0.56	0.575	-.0172047	.0096523
ime1	3.51e-06	1.74e-06	2.02	0.048	2.69e-08	7.00e-06
ime_miss	-.0147821	.0031289	-4.72	0.000	-.0210579	-.0085063
_cons	.1458237	.0109606	13.30	0.000	.1238395	.1678079

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj -
imm28_adj - imm29_adj - imm30_adj = 0

eperoll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	6.06e-06	.0016585	0.00	0.997	-.0033204	.0033325

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
imm28_adj + imm29_adj + imm30_adj =
-6.06e-06

eperoll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	1.95e-18	.0016585	0.00	1.000	-.0033264	.0033264

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 53) = 2.69
Prob > F = 0.0119

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
imm28_adj + imm29_adj + imm30_adj = 0

F(1, 53) = 0.00
Prob > F = 0.9971

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 53) = 2.26
Prob > F = 0.0433

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH3_nounemp.xls
dir : seeout

Linear regression

Number of obs = 114657
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.1281
 Root MSE = .23777

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	-.0010874	.0015839	-0.69	0.495	-.0042643	.0020894
imm23_adj	.0039374	.002754	1.43	0.159	-.0015864	.0094613
imm24_adj	.0004873	.0019451	0.25	0.803	-.003414	.0043886
imm25_adj	.0008285	.0020308	0.41	0.685	-.0032448	.0049017
imm26_adj	.0001619	.0027015	0.06	0.952	-.0052566	.0055804
imm27_adj	.0021816	.0014637	1.49	0.142	-.0007543	.0051175
imm28_adj	-.0009496	.0016534	-0.57	0.568	-.0042659	.0023666
imm29_adj	-.0047141	.0019866	-2.37	0.021	-.0086986	-.0007295
imm30_adj	-.0000177	.0022533	-0.01	0.994	-.0045372	.0045017
male	.002641	.0022732	1.16	0.251	-.0019185	.0072005
gendermiss_flag	-.0440459	.0068837	-6.40	0.000	-.0578527	-.030239
tsd_age	-.0019416	.0001676	-11.59	0.000	-.0022777	-.0016055
doage2	-.0003554	.0001931	-1.84	0.071	-.0007428	.0000319
doage2miss_flag	-.0906939	.0133296	-6.80	0.000	-.1174296	-.0639582
race_a	.0018194	.0057524	0.32	0.753	-.0097186	.0133573
race_b	.0160702	.0027384	5.87	0.000	.0105776	.0215628
race_h	-.0001643	.0010084	-0.16	0.871	-.0021869	.0018584
race_i	.0039598	.0089274	0.44	0.659	-.0139463	.0218658
race_o	.0063155	.0065345	0.97	0.338	-.0067911	.0194221
race_mis	-.0026815	.0060252	-0.45	0.658	-.0147666	.0094036
tsd_edu_hs	.0065604	.0016626	3.95	0.000	.0032258	.0098951
tsd_edu_mrhs	.0223311	.0020517	10.88	0.000	.018216	.0264463
tsd_edu_mis	.0134113	.0024855	5.40	0.000	.0084261	.0183966
tsd_mie_exp	.0032495	.0051398	0.63	0.530	-.0070597	.0135587
tsd_mie_mis	-.0090727	.003457	-2.62	0.011	-.0160067	-.0021388
tsd_mie_psbl	-.0080868	.0020441	-3.96	0.000	-.0121868	-.0039869
tsd_medicare	-.0207611	.0025014	-8.30	0.000	-.0257784	-.0157438
tsd_medicare_miss	-.0549532	.0069477	-7.91	0.000	-.0688886	-.0410179
tsd_depend_1	-.003825	.002011	-1.90	0.063	-.0078584	.0002085
tsd_depend_2	-.0020785	.0018951	-1.10	0.278	-.0058796	.0017227
tsd_depend_miss	-.026617	.0067826	-3.92	0.000	-.0402213	-.0130128
tsd_vrpr	-.017568	.0064079	-2.74	0.008	-.0304206	-.0047154
tsd_vrpr_miss	-.0598863	.0070483	-8.50	0.000	-.0740233	-.0457492
pdcgroup2	-.0126464	.0029409	-4.30	0.000	-.0185451	-.0067477
pdcgroup3	.0006045	.0022378	0.27	0.788	-.0038839	.005093
pdcgroup4	-.005119	.0022361	-2.29	0.026	-.009604	-.0006339
pdcgroup5	-.0109544	.0128721	-0.85	0.399	-.0367725	.0148637
cohort2000	-.0154181	.0031686	-4.87	0.000	-.0217734	-.0090628
cohort2001	-.0213472	.004366	-4.89	0.000	-.0301043	-.01259
cohort2002	-.0275256	.0068852	-4.00	0.000	-.0413356	-.0137155
cohort2003	-.0220524	.0078658	-2.80	0.007	-.0378292	-.0062757
cohort2004	.0656643	.0170996	3.84	0.000	.0313669	.0999618
award_b4_tsd	-.0060297	.0133216	-0.45	0.653	-.0327494	.0206901
diaward_tsd	-.001201	.0002514	-4.78	0.000	-.0017052	-.0006968
epb4twp_flag	.0896433	.0579285	1.55	0.128	-.0265465	.2058331
ldwb4twp_flag	-.0212799	.0284151	-0.75	0.457	-.0782734	.0357135
ldwb4epe_flag	.3734656	.031874	11.72	0.000	.3095344	.4373967
twpb4tsd	.2990566	.008926	33.50	0.000	.2811532	.31696
epb4tsd	-.1640298	.0127835	-12.83	0.000	-.1896702	-.1383894
ldwb4tsd	-.0917957	.0056875	-16.14	0.000	-.1032033	-.0803881
st_AL	-.001213	.0047306	-0.26	0.799	-.0107013	.0082754

st_AR	.0279395	.0043774	6.38	0.000	.0191595	.0367195
st_AZ	-.0117448	.0044211	-2.66	0.010	-.0206124	-.0028772
st_CA	.0194618	.0042013	4.63	0.000	.0110351	.0278885
st_CO	.034596	.0044886	7.71	0.000	.0255929	.043599
st_CT	.0535031	.0042451	12.60	0.000	.0449885	.0620178
st_DC	-.0109277	.0046497	-2.35	0.023	-.0202539	-.0016015
st_DE	-.0627447	.0045723	-13.72	0.000	-.0719154	-.0535739
st_FL	-.020895	.0044447	-4.70	0.000	-.02981	-.01198
st_GA	-.0012245	.0043315	-0.28	0.779	-.0099125	.0074635
st_HI	.0162706	.0035161	4.63	0.000	.0092181	.0233231
st_IA	.0366202	.004556	8.04	0.000	.0274821	.0457583
st_ID	.0102435	.0043547	2.35	0.022	.0015091	.0189778
st_IL	.0186519	.004501	4.14	0.000	.009624	.0276797
st_IN	-.0156617	.004551	-3.44	0.001	-.0247898	-.0065336
st_KS	.0317966	.0041798	7.61	0.000	.0234129	.0401802
st_KY	-.0134985	.0046011	-2.93	0.005	-.0227271	-.0042699
st_LA	.0201645	.0043299	4.66	0.000	.0114799	.0288491
st_MA	.0068233	.0045697	1.49	0.141	-.0023424	.015989
st_MD	.0214835	.0045456	4.73	0.000	.0123662	.0306007
st_ME	.026316	.0045472	5.79	0.000	.0171955	.0354365
st_MI	-.0058162	.0043447	-1.34	0.186	-.0145306	.0028983
st_MN	.0309743	.0044709	6.93	0.000	.0220068	.0399418
st_MO	-.0061866	.0045638	-1.36	0.181	-.0153405	.0029673
st_MS	-.0177477	.0048329	-3.67	0.001	-.0274413	-.008054
st_MT	-.0568898	.0047548	-11.96	0.000	-.0664268	-.0473528
st_NC	-.0026157	.0045449	-0.58	0.567	-.0117316	.0065002
st_ND	-.1064288	.0050245	-21.18	0.000	-.1165066	-.096351
st_NE	.0072809	.0044586	1.63	0.108	-.001662	.0162238
st_NH	.0256718	.0045772	5.61	0.000	.0164911	.0348526
st_NJ	.0120202	.0043164	2.78	0.007	.0033626	.0206778
st_NM	.0488988	.0052046	9.40	0.000	.0384597	.0593379
st_NV	-.0325548	.0041711	-7.80	0.000	-.0409211	-.0241886
st_NY	.0049906	.0043637	1.14	0.258	-.0037619	.0137431
st_OH	.0063853	.0045318	1.41	0.165	-.0027044	.015475
st_OK	-.0050065	.0046844	-1.07	0.290	-.0144022	.0043891
st_OR	-.0081236	.0046291	-1.75	0.085	-.0174084	.0011611
st_PA	.0115544	.0044928	2.57	0.013	.0025429	.0205658
st_PR	-.0175434	.0046	-3.81	0.000	-.0267699	-.0083169
st_RI	.039144	.0041631	9.40	0.000	.030794	.0474941
st_SC	-.0204057	.0046955	-4.35	0.000	-.0298238	-.0109877
st_SD	-.1029494	.0055901	-18.42	0.000	-.1141616	-.0917372
st_TN	-.0230339	.004613	-4.99	0.000	-.0322864	-.0137815
st_TX	.0073504	.0046267	1.59	0.118	-.0019297	.0166304
st_UT	.0097059	.004416	2.20	0.032	.0008485	.0185632
st_VA	-.0106904	.0042762	-2.50	0.016	-.0192673	-.0021134
st_VT	-.0026991	.004448	-0.61	0.547	-.0116206	.0062224
st_WA	.018823	.0044011	4.28	0.000	.0099956	.0276504
st_WI	.0309104	.0042564	7.26	0.000	.0223731	.0394477
st_WV	.0043653	.0045144	0.97	0.338	-.0046895	.01342
st_WY	.0064616	.0043439	1.49	0.143	-.0022511	.0151743
pia1	3.16e-06	8.14e-06	0.39	0.700	-.0000132	.0000195
pia_miss	.0038243	.0091322	0.42	0.677	-.0144925	.0221412
ime1	1.43e-06	1.78e-06	0.80	0.426	-2.14e-06	5.00e-06
ime_miss	-.0285187	.0038044	-7.50	0.000	-.0361494	-.020888
_cons	.240442	.0146592	16.40	0.000	.2110394	.2698446

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj -
imm28_adj - imm29_adj - imm30_adj = 0

eperoll136	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
------------	-------	-----------	---	------	----------------------

(1) | -.0008278 .0018773 -0.44 0.661 -.0045932 .0029376

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
imm28_adj + imm29_adj + imm30_adj = .0008278

eperoll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	3.87e-17	.0018773	0.00	1.000	-.0037654 .0037654

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 53) = 4.70
Prob > F = 0.0001

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
imm28_adj + imm29_adj + imm30_adj = 0

F(1, 53) = 0.19
Prob > F = 0.6610

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 53) = 3.19
Prob > F = 0.0069

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH3_nounemp.xls
dir : seeout

Linear regression Number of obs = 114657
F(52, 53) = .
Prob > F = .
R-squared = 0.1236
Root MSE = .25753

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll148	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
imm21_adj	-.0002097	.0015318	-0.14	0.892	-.0032821 .0028627
imm23_adj	.0049178	.0033365	1.47	0.146	-.0017744 .01161
imm24_adj	.000657	.0025742	0.26	0.800	-.0045062 .0058202
imm25_adj	.0002973	.002579	0.12	0.909	-.0048756 .0054702
imm26_adj	-.0013841	.0025692	-0.54	0.592	-.0065374 .0037691
imm27_adj	.0016251	.0016789	0.97	0.337	-.0017424 .0049925

imm28_adj	-.0002682	.0017696	-0.15	0.880	-.0038177	.0032812
imm29_adj	-.0036398	.0018662	-1.95	0.056	-.007383	.0001034
imm30_adj	-.0002332	.0025741	-0.09	0.928	-.0053963	.0049298
male	.0025221	.0021289	1.18	0.241	-.001748	.0067921
gendermiss_flag	-.054859	.0083459	-6.57	0.000	-.0715988	-.0381193
tsd_age	-.002455	.0002176	-11.28	0.000	-.0028914	-.0020186
doage2	-.0003109	.0002283	-1.36	0.179	-.0007687	.0001469
doage2miss_flag	-.0720088	.0143427	-5.02	0.000	-.1007766	-.0432411
race_a	-.000373	.0078793	-0.05	0.962	-.0161768	.0154308
race_b	.016693	.0029287	5.70	0.000	.0108188	.0225672
race_h	-.0004821	.0015629	-0.31	0.759	-.0036168	.0026526
race_i	.0059429	.0119164	0.50	0.620	-.0179584	.0298442
race_o	.0058131	.0055467	1.05	0.299	-.0053122	.0169383
race_mis	-.0077974	.0063031	-1.24	0.222	-.0204398	.0048451
tsd_edu_hs	.0072749	.0018477	3.94	0.000	.003569	.0109809
tsd_edu_mrhs	.0274613	.0019471	14.10	0.000	.0235559	.0313666
tsd_edu_mis	.0143693	.00272	5.28	0.000	.0089137	.0198249
tsd_mie_exp	.0044681	.0057035	0.78	0.437	-.0069717	.0159079
tsd_mie_mis	-.0094853	.0033238	-2.85	0.006	-.0161519	-.0028187
tsd_mie_psbl	-.0069555	.0017858	-3.89	0.000	-.0105373	-.0033737
tsd_medicare	-.0225735	.0025105	-8.99	0.000	-.027609	-.017538
tsd_medicare_miss	-.0669266	.0083279	-8.04	0.000	-.0836302	-.050223
tsd_depend_1	-.0040052	.0021651	-1.85	0.070	-.0083479	.0003374
tsd_depend_2	-.0006719	.0018978	-0.35	0.725	-.0044785	.0031347
tsd_depend_miss	-.0252979	.0069678	-3.63	0.001	-.0392736	-.0113223
tsd_vrpr	-.0336494	.0072881	-4.62	0.000	-.0482675	-.0190312
tsd_vrpr_miss	-.0854706	.007973	-10.72	0.000	-.1014624	-.0694788
pdcgrou2	-.0163449	.003247	-5.03	0.000	-.0228575	-.0098323
pdcgrou3	-.0022893	.0022414	-1.02	0.312	-.0067849	.0022064
pdcgrou4	-.0080062	.0026248	-3.05	0.004	-.0132709	-.0027414
pdcgrou5	-.0211107	.0129038	-1.64	0.108	-.0469924	.004771
cohort2000	-.0164225	.0038165	-4.30	0.000	-.0240775	-.0087674
cohort2001	-.0239105	.0058055	-4.12	0.000	-.0355549	-.0122662
cohort2002	-.0308863	.0087215	-3.54	0.001	-.0483795	-.0133931
cohort2003	-.0266607	.0097076	-2.75	0.008	-.0461316	-.0071897
cohort2004	.0628872	.0212054	2.97	0.005	.0203547	.1054198
award_b4_tsd	.0040468	.0165602	0.24	0.808	-.0291688	.0372624
diaward_tsd	-.0013675	.0002931	-4.67	0.000	-.0019554	-.0007796
epeb4twp_flag	.0930874	.0601265	1.55	0.128	-.027511	.2136858
ldwb4twp_flag	-.0277138	.0298778	-0.93	0.358	-.0876412	.0322135
ldwb4epe_flag	.4730439	.0326727	14.48	0.000	.4075107	.5385771
twpb4tsd	.3012246	.0086604	34.78	0.000	.283854	.3185951
epeb4tsd	-.1786216	.0127835	-13.97	0.000	-.2042621	-.1529812
ldwb4tsd	-.0997526	.0058905	-16.93	0.000	-.1115675	-.0879376
st_AL	-.0190822	.0042088	-4.53	0.000	-.0275239	-.0106404
st_AR	.0108095	.0037029	2.92	0.005	.0033824	.0182366
st_AZ	-.0226331	.0036688	-6.17	0.000	-.0299919	-.0152743
st_CA	.0075534	.0032142	2.35	0.023	.0011067	.0140002
st_CO	.0058544	.0040505	1.45	0.154	-.0022698	.0139787
st_CT	.0526508	.00319	16.50	0.000	.0462524	.0590492
st_DC	.0161796	.0036749	4.40	0.000	.0088086	.0235505
st_DE	-.0654938	.0039489	-16.59	0.000	-.0734143	-.0575733
st_FL	-.0211418	.003685	-5.74	0.000	-.028533	-.0137507
st_GA	-.0054778	.0034321	-1.60	0.116	-.0123617	.0014061
st_HI	.0020605	.0017296	1.19	0.239	-.0014086	.0055296
st_IA	.0225435	.0038343	5.88	0.000	.0148529	.030234
st_ID	-.0046041	.0037641	-1.22	0.227	-.0121539	.0029458
st_IL	.0158866	.0035857	4.43	0.000	.0086946	.0230787
st_IN	-.038007	.0040065	-9.49	0.000	-.046043	-.029971
st_KS	.0404997	.0029568	13.70	0.000	.034569	.0464303
st_KY	-.0322676	.0040624	-7.94	0.000	-.0404158	-.0241194
st_LA	.0093987	.0034445	2.73	0.009	.0024898	.0163076
st_MA	.0002343	.0038983	0.06	0.952	-.0075846	.0080533

st_MD	.0031904	.003664	0.87	0.388	-.0041588	.0105395
st_ME	.0113257	.0039818	2.84	0.006	.0033393	.0193122
st_MI	-.0099485	.0035604	-2.79	0.007	-.0170897	-.0028072
st_MN	.0141385	.0038157	3.71	0.001	.0064852	.0217919
st_MO	-.0135326	.0040883	-3.31	0.002	-.0217326	-.0053326
st_MS	-.0326517	.0043412	-7.52	0.000	-.041359	-.0239444
st_MT	-.0876232	.0040082	-21.86	0.000	-.0956627	-.0795837
st_NC	-.0219174	.0039362	-5.57	0.000	-.0298124	-.0140223
st_ND	-.1346504	.0045767	-29.42	0.000	-.1438301	-.1254706
st_NE	-.0026693	.0037116	-0.72	0.475	-.0101138	.0047752
st_NH	.0419052	.0039778	10.53	0.000	.0339267	.0498837
st_NJ	.0068179	.0034155	2.00	0.051	-.0000328	.0136685
st_NM	.0575813	.0049583	11.61	0.000	.0476362	.0675264
st_NV	-.0242572	.0028202	-8.60	0.000	-.0299137	-.0186006
st_NY	.0083233	.0035217	2.36	0.022	.0012598	.0153869
st_OH	-.0098744	.0038642	-2.56	0.014	-.017625	-.0021238
st_OK	-.0152159	.0039952	-3.81	0.000	-.0232292	-.0072026
st_OR	.0120684	.0041924	2.88	0.006	.0036595	.0204773
st_PA	-.0003431	.0037475	-0.09	0.927	-.0078597	.0071735
st_PR	-.0386995	.0034389	-11.25	0.000	-.0455971	-.0318019
st_RI	.0264958	.0031901	8.31	0.000	.0200972	.0328943
st_SC	-.039884	.0041146	-9.69	0.000	-.0481368	-.0316311
st_SD	-.1436822	.00557	-25.80	0.000	-.1548542	-.1325102
st_TN	-.0420995	.0039483	-10.66	0.000	-.0500189	-.0341802
st_TX	-.0070606	.0039084	-1.81	0.077	-.0148999	.0007787
st_UT	-.0047014	.0037352	-1.26	0.214	-.0121932	.0027904
st_VA	-.0124185	.0031934	-3.89	0.000	-.0188237	-.0060134
st_VT	.0590554	.0035595	16.59	0.000	.0519159	.0661949
st_WA	.0030817	.0035508	0.87	0.389	-.0040403	.0102037
st_WI	.021002	.0034149	6.15	0.000	.0141526	.0278514
st_WV	-.0102473	.0038302	-2.68	0.010	-.0179297	-.0025649
st_WY	.007372	.0034822	2.12	0.039	.0003875	.0143564
pial	.0000119	.0000112	1.06	0.295	-.0000106	.0000343
pia_miss	.0050207	.009715	0.52	0.607	-.0144652	.0245065
ime1	-4.04e-07	2.38e-06	-0.17	0.866	-5.18e-06	4.37e-06
ime_miss	-.0335418	.0042407	-7.91	0.000	-.0420476	-.0250361
_cons	.3130225	.017814	17.57	0.000	.277292	.3487529

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj -
imm28_adj - imm29_adj - imm30_adj = 0

eperoll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0017621	.0020533	-0.86	0.395	-.0058805 .0023563

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
imm28_adj + imm29_adj + imm30_adj = .0017621

eperoll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-8.46e-18	.0020533	-0.00	1.000	-.0041184 .0041184

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0

(7) imm28_adj = 0
 (8) imm29_adj = 0
 (9) imm30_adj = 0

F(9, 53) = 2.43
 Prob > F = 0.0214

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
 imm28_adj + imm29_adj + imm30_adj = 0

F(1, 53) = 0.74
 Prob > F = 0.3947

(1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
 (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
 (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
 (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
 (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
 (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
 (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 53) = 1.82
 Prob > F = 0.1017

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.0186
 Root MSE = .17919

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	.0000589	.0016566	0.04	0.972	-.0032638	.0033816
imm23_adj	-.0006033	.0011731	-0.51	0.609	-.0029562	.0017496
imm24_adj	.0001584	.0012609	0.13	0.901	-.0023708	.0026875
imm25_adj	-.0005188	.0009997	-0.52	0.606	-.0025239	.0014864
imm26_adj	-.0011621	.0015078	-0.77	0.444	-.0041863	.0018621
imm27_adj	.0036824	.0015866	2.32	0.024	.0005	.0068647
imm28_adj	-.0006399	.0016168	-0.40	0.694	-.0038827	.002603
imm29_adj	-.0004848	.0011683	-0.41	0.680	-.0028282	.0018586
imm30_adj	-.0003521	.0014689	-0.24	0.811	-.0032983	.0025942
male	.0022203	.0012886	1.72	0.091	-.0003643	.004805
gendermiss_flag	-.0288103	.0052955	-5.44	0.000	-.0394317	-.0181889
tsd_age	-.0014262	.0001873	-7.61	0.000	-.001802	-.0010505
doage2	.0001874	.0001593	1.18	0.245	-.0001321	.0005069
doage2miss_flag	.0282848	.005273	5.36	0.000	.0177085	.0388612
race_a	-.0014092	.003526	-0.40	0.691	-.0084815	.0056632
race_b	.0069921	.0014909	4.69	0.000	.0040017	.0099824
race_h	.0005046	.0009418	0.54	0.594	-.0013844	.0023936
race_i	-.005545	.0065547	-0.85	0.401	-.0186921	.0076021
race_o	.0106032	.0076111	1.39	0.169	-.0046627	.0258692
race_mis	-.005693	.0046067	-1.24	0.222	-.0149329	.0035469
tsd_edu_hs	.0025215	.0011218	2.25	0.029	.0002715	.0047715
tsd_edu_mrhs	.0111874	.0017058	6.56	0.000	.0077661	.0146087
tsd_edu_mis	.0038578	.0019482	1.98	0.053	-.0000498	.0077654
tsd_mie_exp	.0174808	.0040004	4.37	0.000	.009457	.0255047

tsd_mie_mis	-.0009593	.0012731	-0.75	0.454	-.0035128	.0015942
tsd_mie_psbl	.0045795	.0009422	4.86	0.000	.0026897	.0064693
tsd_medicare	-.0126908	.0022929	-5.53	0.000	-.0172898	-.0080918
tsd_medicare_miss	-.0240672	.0060448	-3.98	0.000	-.0361915	-.011943
tsd_depend_1	-.0023732	.0017793	-1.33	0.188	-.0059422	.0011957
tsd_depend_2	-.0004498	.0016935	-0.27	0.792	-.0038464	.0029469
tsd_depend_miss	-.0177481	.0047047	-3.77	0.000	-.0271845	-.0083117
tsd_vrpr	-.0185715	.0054714	-3.39	0.001	-.0295456	-.0075973
tsd_vrpr_miss	-.0441139	.0047974	-9.20	0.000	-.0537362	-.0344916
pdcgrou2	-.0110702	.0026931	-4.11	0.000	-.0164719	-.0056685
pdcgrou3	-.0076348	.0022891	-3.34	0.002	-.0122262	-.0030434
pdcgrou4	-.0073561	.002164	-3.40	0.001	-.0116965	-.0030157
pdcgrou5	.011274	.011436	0.99	0.329	-.0116638	.0342117
cohort2000	-.004497	.0019691	-2.28	0.026	-.0084465	-.0005474
cohort2001	-.0056727	.0027163	-2.09	0.042	-.0111208	-.0002245
cohort2002	-.0044642	.0037135	-1.20	0.235	-.0119126	.0029842
cohort2003	-.0056466	.004139	-1.36	0.178	-.0139484	.0026553
cohort2004	.021659	.0139408	1.55	0.126	-.0063027	.0496208
award_b4_tsd	-.0087969	.0090883	-0.97	0.337	-.0270257	.0094319
diaward_tsd	-.0003773	.000102	-3.70	0.001	-.0005819	-.0001727
epeb4twp_flag	-.0089106	.1281811	-0.07	0.945	-.2660093	.2481881
ldwb4twp_flag	.1924516	.073708	2.61	0.012	.0446121	.340291
ldwb4epe_flag	.1052795	.0415592	2.53	0.014	.0219224	.1886366
twpb4tsd	-.0120008	.0082951	-1.45	0.154	-.0286386	.0046371
epeb4tsd	-.0230724	.0023528	-9.81	0.000	-.0277915	-.0183532
ldwb4tsd	-.0164716	.0026988	-6.10	0.000	-.0218847	-.0110586
st_AL	-.0057723	.0030065	-1.92	0.060	-.0118025	.0002579
st_AR	-.024618	.0033322	-7.39	0.000	-.0313015	-.0179345
st_AZ	.015726	.0032669	4.81	0.000	.0091734	.0222786
st_CA	.0047073	.0027612	1.70	0.094	-.0008309	.0102455
st_CO	-.0077323	.0031831	-2.43	0.019	-.0141169	-.0013478
st_CT	.0392513	.0035547	11.04	0.000	.0321214	.0463812
st_DC	.0167651	.0031574	5.31	0.000	.0104321	.0230981
st_DE	-.0149278	.0032291	-4.62	0.000	-.0214046	-.008451
st_FL	-.0223065	.0032462	-6.87	0.000	-.0288176	-.0157955
st_GA	-.0225117	.0031032	-7.25	0.000	-.0287359	-.0162875
st_HI	.0055279	.0024392	2.27	0.028	.0006355	.0104203
st_IA	.0203857	.0034256	5.95	0.000	.0135147	.0272566
st_ID	.005088	.0029283	1.74	0.088	-.0007855	.0109614
st_IL	-.0199043	.003186	-6.25	0.000	-.0262945	-.013514
st_IN	.0079156	.0032718	2.42	0.019	.0013532	.0144779
st_KS	.0141703	.0031988	4.43	0.000	.0077544	.0205862
st_KY	-.0126917	.0033436	-3.80	0.000	-.0193982	-.0059852
st_LA	.0076733	.0033039	2.32	0.024	.0010465	.0143
st_MA	-.0027759	.003358	-0.83	0.412	-.0095113	.0039594
st_MD	.0025474	.0029174	0.87	0.387	-.0033042	.008399
st_ME	.003768	.0031233	1.21	0.233	-.0024965	.0100326
st_MI	.001912	.003238	0.59	0.557	-.0045827	.0084067
st_MN	.0030254	.0030031	1.01	0.318	-.0029981	.0090488
st_MO	.0025789	.0031951	0.81	0.423	-.0038297	.0089874
st_MS	-.0191859	.0035173	-5.45	0.000	-.0262407	-.0121312
st_MT	.0510801	.0035274	14.48	0.000	.044005	.0581552
st_NC	-.0058009	.0029093	-1.99	0.051	-.0116362	.0000344
st_ND	-.0353155	.0031532	-11.20	0.000	-.04164	-.028991
st_NE	-.0008184	.0030912	-0.26	0.792	-.0070184	.0053817
st_NH	-.0248766	.0033021	-7.53	0.000	-.0314997	-.0182534
st_NJ	.003486	.0031841	1.09	0.279	-.0029005	.0098725
st_NM	.0011586	.0030733	0.38	0.708	-.0050055	.0073228
st_NV	-.0331881	.0031414	-10.56	0.000	-.039489	-.0268871
st_NY	-.0033088	.0031294	-1.06	0.295	-.0095855	.0029679
st_OH	-.003588	.0030822	-1.16	0.250	-.00977	.0025941
st_OK	-.0188976	.0031277	-6.04	0.000	-.0251709	-.0126243
st_OR	.0114004	.0033938	3.36	0.001	.0045932	.0182075

st_PA	-.0014462	.0029878	-0.48	0.630	-.0074389	.0045465
st_PR	-.0193328	.0027855	-6.94	0.000	-.0249197	-.0137458
st_RI	.0106657	.0029231	3.65	0.001	.0048028	.0165286
st_SC	-.0282467	.0034535	-8.18	0.000	-.0351735	-.0213199
st_SD	-.0534211	.0064546	-8.28	0.000	-.0663673	-.0404748
st_TN	-.0217696	.0032043	-6.79	0.000	-.0281965	-.0153426
st_TX	-.002572	.0028543	-0.90	0.372	-.008297	.0031529
st_UT	-.0020278	.0029057	-0.70	0.488	-.0078559	.0038003
st_VA	-.0074394	.003116	-2.39	0.021	-.0136894	-.0011895
st_VT	-.036547	.0034375	-10.63	0.000	-.0434416	-.0296523
st_WA	.0057683	.0029662	1.94	0.057	-.0001812	.0117177
st_WI	.0065631	.0032965	1.99	0.052	-.0000488	.013175
st_WV	-.0051228	.0030722	-1.67	0.101	-.011285	.0010393
st_WY	.0060563	.003112	1.95	0.057	-.0001856	.0122981
pial	.0000113	4.81e-06	2.35	0.022	1.66e-06	.0000209
pia_miss	.0177337	.0053555	3.31	0.002	.006992	.0284755
ime1	-2.99e-06	1.52e-06	-1.97	0.054	-6.04e-06	5.54e-08
ime_miss	-.0198659	.0027224	-7.30	0.000	-.0253263	-.0144055
_cons	.1409703	.0103186	13.66	0.000	.1202738	.1616668

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

twproll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.0001386	.0019477	-0.07	0.944	-.0040452 .0037679

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = .0001386

twproll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-3.66e-17	.0019477	-0.00	1.000	-.0039065 .0039065

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 53) = 0.94
 Prob > F = 0.4962

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 53) = 0.01
 Prob > F = 0.9435

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0

(6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
 (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 53) = 1.16
 Prob > F = 0.3405

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.0329
 Root MSE = .23323

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	.0026746	.0015014	1.78	0.081	-.0003369	.005686
imm23_adj	.0015542	.0019953	0.78	0.439	-.0024479	.0055563
imm24_adj	-.0024409	.0021344	-1.14	0.258	-.006722	.0018402
imm25_adj	-.0027231	.0016891	-1.61	0.113	-.0061111	.0006649
imm26_adj	-.0015487	.0018501	-0.84	0.406	-.0052596	.0021623
imm27_adj	.0040116	.002439	1.64	0.106	-.0008804	.0089037
imm28_adj	-.000789	.0019118	-0.41	0.681	-.0046235	.0030455
imm29_adj	.0001376	.0013443	0.10	0.919	-.0025588	.002834
imm30_adj	.0002165	.0018694	0.12	0.908	-.003533	.003966
male	.0008684	.0014585	0.60	0.554	-.002057	.0037938
gendermiss_flag	-.0520292	.0080344	-6.48	0.000	-.0681443	-.0359142
tsd_age	-.0025578	.0002258	-11.33	0.000	-.0030106	-.002105
doage2	.0003585	.0002247	1.60	0.117	-.0000921	.0008092
doage2miss_flag	.063145	.0069008	9.15	0.000	.0493036	.0769863
race_a	-.0036891	.0056451	-0.65	0.516	-.0150117	.0076334
race_b	.0119455	.0018534	6.45	0.000	.008228	.0156631
race_h	.000295	.0017004	0.17	0.863	-.0031156	.0037057
race_i	.0038223	.0077961	0.49	0.626	-.0118147	.0194592
race_o	.014476	.0089269	1.62	0.111	-.0034292	.0323811
race_mis	-.0077916	.0066783	-1.17	0.249	-.0211865	.0056033
tsd_edu_hs	.0065349	.0019363	3.37	0.001	.0026511	.0104186
tsd_edu_mrhs	.0189923	.0024461	7.76	0.000	.014086	.0238986
tsd_edu_mis	.006013	.0024517	2.45	0.018	.0010955	.0109305
tsd_mie_exp	.0213449	.0050588	4.22	0.000	.0111983	.0314916
tsd_mie_mis	-.0027664	.0020398	-1.36	0.181	-.0068577	.0013249
tsd_mie_psbl	.0063409	.0018228	3.48	0.001	.0026849	.0099969
tsd_medicare	-.0198836	.0018697	-10.63	0.000	-.0236337	-.0161334
tsd_medicare_miss	-.0450025	.008628	-5.22	0.000	-.062308	-.0276969
tsd_depend_1	-.0035586	.0018014	-1.98	0.053	-.0071717	.0000545
tsd_depend_2	.0004337	.0019234	0.23	0.822	-.0034242	.0042916
tsd_depend_miss	-.0243713	.0056302	-4.33	0.000	-.0356641	-.0130785
tsd_vrpr	-.0548277	.0080921	-6.78	0.000	-.0710584	-.038597
tsd_vrpr_miss	-.098311	.007995	-12.30	0.000	-.1143468	-.0822751
pdcgrou2	-.0203689	.0036337	-5.61	0.000	-.0276571	-.0130807
pdcgrou3	-.0110448	.0036492	-3.03	0.004	-.0183641	-.0037255
pdcgrou4	-.0158949	.0033798	-4.70	0.000	-.0226739	-.0091158
pdcgrou5	-.0027659	.0108423	-0.26	0.800	-.0245128	.018981
cohort2000	-.0105606	.002613	-4.04	0.000	-.0158016	-.0053195
cohort2001	-.0146023	.004085	-3.57	0.001	-.0227958	-.0064088
cohort2002	-.018452	.0059052	-3.12	0.003	-.0302963	-.0066078
cohort2003	-.0241178	.0075576	-3.19	0.002	-.0392764	-.0089591
cohort2004	.0334675	.0196282	1.71	0.094	-.0059018	.0728367

award_b4_tsd	.0038764	.0127411	0.30	0.762	-.0216789	.0294318
diaward_tsd	-.0007204	.0001787	-4.03	0.000	-.0010787	-.000362
epeb4twp_flag	.1884116	.1640844	1.15	0.256	-.1407002	.5175233
ldwb4twp_flag	.1775477	.0963897	1.84	0.071	-.0157856	.370881
ldwb4epe_flag	.213317	.0410785	5.19	0.000	.1309239	.2957102
twpb4tsd	-.0335131	.0118469	-2.83	0.007	-.057275	-.0097512
epeb4tsd	-.0427332	.0034349	-12.44	0.000	-.0496229	-.0358436
ldwb4tsd	-.0264598	.0034034	-7.77	0.000	-.0332861	-.0196335
st_AL	-.0021279	.0027965	-0.76	0.450	-.007737	.0034813
st_AR	.012048	.0031182	3.86	0.000	.0057937	.0183024
st_AZ	.0009261	.0029131	0.32	0.752	-.0049168	.006769
st_CA	.0176325	.0026062	6.77	0.000	.0124052	.0228598
st_CO	.0431325	.0025624	16.83	0.000	.037993	.048272
st_CT	.0690695	.0027341	25.26	0.000	.0635854	.0745535
st_DC	.0006324	.0031468	0.20	0.841	-.0056793	.006944
st_DE	-.0441492	.0039781	-11.10	0.000	-.0521283	-.0361701
st_FL	-.0153195	.002766	-5.54	0.000	-.0208674	-.0097716
st_GA	-.0131225	.0029212	-4.49	0.000	-.0189817	-.0072633
st_HI	.0157714	.002442	6.46	0.000	.0108734	.0206694
st_IA	.0426859	.0029226	14.61	0.000	.0368239	.0485479
st_ID	.0110805	.0028789	3.85	0.000	.0053062	.0168547
st_IL	.0110746	.0029379	3.77	0.000	.0051818	.0169673
st_IN	-.0019286	.0034998	-0.55	0.584	-.0089483	.0050911
st_KS	.0798429	.0026032	30.67	0.000	.0746216	.0850643
st_KY	-.0192623	.0031974	-6.02	0.000	-.0256754	-.0128493
st_LA	.0456762	.002758	16.56	0.000	.0401444	.0512079
st_MA	.0273065	.0031024	8.80	0.000	.0210838	.0335292
st_MD	.0064915	.0028376	2.29	0.026	.0008	.0121829
st_ME	.0196438	.0029766	6.60	0.000	.0136734	.0256141
st_MI	.0084157	.0027988	3.01	0.004	.002802	.0140295
st_MN	.0142908	.00306	4.67	0.000	.0081533	.0204283
st_MO	.0208914	.0027822	7.51	0.000	.015311	.0264718
st_MS	-.0178143	.0032025	-5.56	0.000	-.0242377	-.0113909
st_MT	.0278922	.0029623	9.42	0.000	.0219506	.0338338
st_NC	-.0029821	.0029583	-1.01	0.318	-.0089157	.0029515
st_ND	-.0478541	.0030067	-15.92	0.000	-.0538848	-.0418234
st_NE	.017072	.0026747	6.38	0.000	.0117073	.0224368
st_NH	.0451843	.0029546	15.29	0.000	.0392582	.0511104
st_NJ	.0018001	.0026668	0.68	0.503	-.0035487	.007149
st_NM	-.000586	.0031408	-0.19	0.853	-.0068857	.0057137
st_NV	-.0277737	.0025722	-10.80	0.000	-.0329329	-.0226144
st_NY	.0224159	.0025645	8.74	0.000	.0172721	.0275597
st_OH	.0009025	.0030452	0.30	0.768	-.0052054	.0070104
st_OK	-.0210305	.0033058	-6.36	0.000	-.0276612	-.0143999
st_OR	.029453	.002865	10.28	0.000	.0237065	.0351994
st_PA	.00878	.0028778	3.05	0.004	.0030079	.0145522
st_PR	-.0239289	.0025006	-9.57	0.000	-.0289445	-.0189133
st_RI	.0242255	.0026767	9.05	0.000	.0188567	.0295943
st_SC	-.0407244	.0031037	-13.12	0.000	-.0469497	-.0344992
st_SD	-.0881534	.0053507	-16.48	0.000	-.0988856	-.0774212
st_TN	-.0193889	.0031983	-6.06	0.000	-.0258039	-.0129739
st_TX	.0049373	.0028474	1.73	0.089	-.0007739	.0106485
st_UT	.0044633	.0026865	1.66	0.103	-.0009253	.0098518
st_VA	.0242083	.0026941	8.99	0.000	.0188046	.0296119
st_VT	-.0136891	.0034873	-3.93	0.000	-.0206837	-.0066945
st_WA	.0152158	.0027291	5.58	0.000	.0097419	.0206896
st_WI	.0105438	.0028704	3.67	0.001	.0047865	.0163011
st_WV	.0028712	.0028254	1.02	0.314	-.0027958	.0085381
st_WY	.0005321	.0026993	0.20	0.844	-.004882	.0059462
pial	.000031	6.64e-06	4.66	0.000	.0000176	.0000443
pia_miss	.0361598	.0063892	5.66	0.000	.0233448	.0489749
ime1	-8.74e-06	2.54e-06	-3.44	0.001	-.0000138	-3.65e-06
ime_miss	-.0389335	.0048809	-7.98	0.000	-.0487233	-.0291437

```

      _cons |      .26682   .0173304   15.40   0.000   .2320595   .3015804
-----+-----

```

```

( 1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj -
imm28_adj - imm29_adj - imm30_adj = 0

```

```

      twproll24 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-----+-----
      (1) |   -.0010928   .0023873    -0.46   0.649    - .0058812   .0036956

```

```

( 1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
imm28_adj + imm29_adj + imm30_adj = .0010928

```

```

      twproll24 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-----+-----
      (1) |  -1.32e-17   .0023873    -0.00   1.000    - .0047884   .0047884

```

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

```

F( 9, 53) = 0.76
Prob > F = 0.6527

```

```

( 1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
imm28_adj + imm29_adj + imm30_adj = 0

```

```

F( 1, 53) = 0.21
Prob > F = 0.6490

```

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

```

F( 7, 53) = 0.93
Prob > F = 0.4899

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH3_nounemp.xls
dir : seeout

```

Linear regression

```

Number of obs = 114657
F( 52, 53) = .
Prob > F = .
R-squared = 0.0426
Root MSE = .26149

```

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	.002791	.00174	1.60	0.115	-.000699	.0062809
imm23_adj	.0024897	.0022202	1.12	0.267	-.0019634	.0069428
imm24_adj	.0007246	.002122	0.34	0.734	-.0035315	.0049808
imm25_adj	-.0020531	.0022934	-0.90	0.375	-.0066531	.002547
imm26_adj	-.0025524	.0020986	-1.22	0.229	-.0067616	.0016569
imm27_adj	.0031242	.0029124	1.07	0.288	-.0027173	.0089656
imm28_adj	-.0014402	.0022023	-0.65	0.516	-.0058574	.0029771
imm29_adj	-.0011646	.0018725	-0.62	0.537	-.0049203	.0025911
imm30_adj	-.0005803	.002132	-0.27	0.787	-.0048565	.0036959
male	.0003755	.0013996	0.27	0.790	-.0024317	.0031828
gendermiss_flag	-.0691254	.0102948	-6.71	0.000	-.0897742	-.0484766
tsd_age	-.003304	.0002977	-11.10	0.000	-.0039012	-.0027068
doage2	.0004169	.0002654	1.57	0.122	-.0001155	.0009493
doage2miss_flag	.0915853	.0082661	11.08	0.000	.0750056	.108165
race_a	-.0056573	.0058824	-0.96	0.341	-.0174559	.0061414
race_b	.0133545	.0024476	5.46	0.000	.0084453	.0182637
race_h	-.0007496	.0020115	-0.37	0.711	-.0047842	.003285
race_i	.0100417	.0097937	1.03	0.310	-.009602	.0296853
race_o	.0164136	.0097932	1.68	0.100	-.0032291	.0360563
race_mis	-.011859	.0067693	-1.75	0.086	-.0254366	.0017186
tsd_edu_hs	.0079488	.0027248	2.92	0.005	.0024836	.013414
tsd_edu_mrhs	.0251251	.0023916	10.51	0.000	.0203282	.029922
tsd_edu_mis	.0062974	.0024681	2.55	0.014	.0013471	.0112477
tsd_mie_exp	.0258493	.0057391	4.50	0.000	.0143381	.0373606
tsd_mie_mis	-.0016587	.0028443	-0.58	0.562	-.0073636	.0040462
tsd_mie_psbl	.0090946	.0024009	3.79	0.000	.004279	.0139102
tsd_medicare	-.0221552	.0021754	-10.18	0.000	-.0265186	-.0177918
tsd_medicare_miss	-.0593113	.0094055	-6.31	0.000	-.0781762	-.0404463
tsd_depend_1	-.0041858	.0019885	-2.10	0.040	-.0081743	-.0001973
tsd_depend_2	.0027992	.0022318	1.25	0.215	-.0016772	.0072757
tsd_depend_miss	-.027429	.005828	-4.71	0.000	-.0391185	-.0157396
tsd_vrpr	-.0799982	.0100915	-7.93	0.000	-.1002392	-.0597572
tsd_vrpr_miss	-.1328133	.0105599	-12.58	0.000	-.1539938	-.1116329
pdcgrou2	-.02478	.0041192	-6.02	0.000	-.033042	-.016518
pdcgrou3	-.0157017	.0041184	-3.81	0.000	-.0239622	-.0074412
pdcgrou4	-.0211469	.0038516	-5.49	0.000	-.0288723	-.0134216
pdcgrou5	-.0159965	.0101712	-1.57	0.122	-.0363973	.0044043
cohort2000	-.0101119	.0032186	-3.14	0.003	-.0165676	-.0036563
cohort2001	-.0146929	.004282	-3.43	0.001	-.0232816	-.0061042
cohort2002	-.0180116	.0060525	-2.98	0.004	-.0301513	-.005872
cohort2003	-.024881	.0073385	-3.39	0.001	-.0396001	-.0101619
cohort2004	.0425375	.021157	2.01	0.049	.0001019	.0849731
award_b4_tsd	.0147731	.0121761	1.21	0.230	-.009649	.0391952
diaward_tsd	-.0007119	.0001654	-4.30	0.000	-.0010436	-.0003802
epeb4twp_flag	.2941577	.1885685	1.56	0.125	-.0840627	.6723782
ldwb4twp_flag	.3483724	.1205509	2.89	0.006	.1065779	.5901668
ldwb4epe_flag	.261962	.0395736	6.62	0.000	.1825874	.3413367
twpb4tsd	-.0536539	.0122496	-4.38	0.000	-.0782234	-.0290844
epeb4tsd	-.0532173	.0036126	-14.73	0.000	-.0604633	-.0459714
ldwb4tsd	-.0328347	.0033773	-9.72	0.000	-.0396088	-.0260607
st_AL	-.0168338	.0026221	-6.42	0.000	-.022093	-.0115746
st_AR	.0162041	.002837	5.71	0.000	.0105138	.0218943
st_AZ	.0002842	.0027186	0.10	0.917	-.0051686	.0057371
st_CA	.0115161	.0023306	4.94	0.000	.0068415	.0161906
st_CO	.056968	.0023058	24.71	0.000	.0523432	.0615927
st_CT	.0746673	.0026906	27.75	0.000	.0692706	.080064
st_DC	.0272458	.0028517	9.55	0.000	.021526	.0329656
st_DE	-.0789295	.0036816	-21.44	0.000	-.0863138	-.0715453
st_FL	-.0192997	.0027967	-6.90	0.000	-.0249091	-.0136903
st_GA	-.0128673	.0027055	-4.76	0.000	-.0182939	-.0074407

st_HI	.0057395	.0021167	2.71	0.009	.0014939	.009985
st_IA	.0420447	.0028575	14.71	0.000	.0363132	.0477762
st_ID	-.0011753	.0028323	-0.41	0.680	-.0068562	.0045057
st_IL	.0203213	.0027773	7.32	0.000	.0147507	.0258918
st_IN	-.0198779	.0030549	-6.51	0.000	-.0260053	-.0137505
st_KS	.1110813	.002687	41.34	0.000	.1056918	.1164708
st_KY	-.0249305	.0030539	-8.16	0.000	-.0310558	-.0188052
st_LA	.0338853	.0025331	13.38	0.000	.0288046	.038966
st_MA	.0221348	.0029602	7.48	0.000	.0161973	.0280722
st_MD	-.006548	.0025859	-2.53	0.014	-.0117347	-.0013613
st_ME	.0093654	.00276	3.39	0.001	.0038295	.0149013
st_MI	.0192313	.00264	7.28	0.000	.0139361	.0245266
st_MN	.0028882	.0028392	1.02	0.314	-.0028066	.008583
st_MO	.0232339	.0024456	9.50	0.000	.0183286	.0281392
st_MS	-.0348112	.003172	-10.97	0.000	-.0411734	-.028449
st_MT	-.0025335	.0030363	-0.83	0.408	-.0086237	.0035566
st_NC	-.0191845	.0028668	-6.69	0.000	-.0249347	-.0134343
st_ND	-.0744178	.0026096	-28.52	0.000	-.079652	-.0691837
st_NE	.0044685	.0026178	1.71	0.094	-.0007821	.0097192
st_NH	.0296804	.0027151	10.93	0.000	.0242346	.0351263
st_NJ	-.0035004	.0023668	-1.48	0.145	-.0082477	.0012468
st_NM	-.0106016	.0028744	-3.69	0.001	-.0163669	-.0048363
st_NV	-.009249	.0024747	-3.74	0.000	-.0142125	-.0042855
st_NY	.0354147	.0022618	15.66	0.000	.0308781	.0399514
st_OH	-.0125967	.0029193	-4.32	0.000	-.018452	-.0067414
st_OK	.0232772	.0027418	8.49	0.000	.0177778	.0287766
st_OR	.0385067	.0027004	14.26	0.000	.0330903	.0439231
st_PA	.0010173	.0026289	0.39	0.700	-.0042556	.0062903
st_PR	-.0442009	.0029002	-15.24	0.000	-.050018	-.0383839
st_RI	.0140457	.0027088	5.19	0.000	.0086126	.0194788
st_SC	-.054225	.0029307	-18.50	0.000	-.0601033	-.0483467
st_SD	-.0125231	.0055397	-2.26	0.028	-.0236343	-.0014119
st_TN	-.0445982	.0027702	-16.10	0.000	-.0501546	-.0390418
st_TX	-.005763	.0026146	-2.20	0.032	-.0110073	-.0005187
st_UT	-.0054038	.0025873	-2.09	0.042	-.0105933	-.0002143
st_VA	.0164312	.0024075	6.82	0.000	.0116022	.0212601
st_VT	-.0454604	.0032669	-13.92	0.000	-.0520129	-.0389079
st_WA	.0084045	.0025149	3.34	0.002	.0033602	.0134488
st_WI	.0121196	.0026324	4.60	0.000	.0068396	.0173996
st_WV	-.0070814	.0026342	-2.69	0.010	-.0123649	-.0017979
st_WY	.0052999	.0026744	1.98	0.053	-.0000643	.0106641
pial	.0000424	.0000103	4.10	0.000	.0000217	.0000632
pia_miss	.0410111	.0074615	5.50	0.000	.0260451	.055977
ime1	-.0000116	3.09e-06	-3.75	0.000	-.0000178	-5.41e-06
ime_miss	-.0474699	.0047387	-10.02	0.000	-.0569746	-.0379652
_cons	.3509209	.0180741	19.42	0.000	.3146687	.387173

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj -
imm28_adj - imm29_adj - imm30_adj = 0

twproll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-.001339	.0017412	-0.77	0.445	-.0048314 .0021533

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
imm28_adj + imm29_adj + imm30_adj = .001339

twproll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.001339	.0017412	0.77	0.445	-.0048314 .0021533

(1) | 1.50e-17 .0017412 0.00 1.000 -.0034924 .0034924

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 53) = 0.81
 Prob > F = 0.6119

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
 imm28_adj + imm29_adj + imm30_adj = 0

F(1, 53) = 0.59
 Prob > F = 0.4453

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 53) = 0.42
 Prob > F = 0.8825

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.0482
 Root MSE = .27658

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	.0031848	.002129	1.50	0.141	-.0010854	.007455
imm23_adj	.0023447	.0023129	1.01	0.315	-.0022943	.0069838
imm24_adj	-.0007557	.0021442	-0.35	0.726	-.0050564	.0035451
imm25_adj	-.0025808	.0028876	-0.89	0.375	-.0083726	.003211
imm26_adj	-.0037035	.0022266	-1.66	0.102	-.0081695	.0007624
imm27_adj	.0034418	.0032032	1.07	0.287	-.0029831	.0098666
imm28_adj	.0002594	.0022534	0.12	0.909	-.0042604	.0047791
imm29_adj	-.0008598	.001728	-0.50	0.621	-.0043258	.0026061
imm30_adj	.0002078	.0021702	0.10	0.924	-.0041452	.0045607
male	-.0003132	.0018422	-0.17	0.866	-.0040082	.0033819
gendermiss_flag	-.0797522	.0114483	-6.97	0.000	-.1027146	-.0567898
tsd_age	-.0037621	.0003488	-10.79	0.000	-.0044617	-.0030626
doage2	.0003719	.0002989	1.24	0.219	-.0002275	.0009714
doage2miss_flag	.1088671	.0090067	12.09	0.000	.090802	.1269322
race_a	-.0085056	.006897	-1.23	0.223	-.0223393	.005328

race_b	.015907	.0024183	6.58	0.000	.0110565	.0207576
race_h	.0001637	.0025884	0.06	0.950	-.005028	.0053555
race_i	.0010232	.0095499	0.11	0.915	-.0181315	.0201779
race_o	.0149054	.0100212	1.49	0.143	-.0051947	.0350055
race_mis	-.0147606	.0072802	-2.03	0.048	-.0293629	-.0001583
tsd_edu_hs	.0095734	.0027505	3.48	0.001	.0040566	.0150903
tsd_edu_mrhs	.0284436	.0024757	11.49	0.000	.0234779	.0334092
tsd_edu_mis	.0068883	.0029037	2.37	0.021	.0010642	.0127124
tsd_mie_exp	.0270904	.0055516	4.88	0.000	.0159554	.0382254
tsd_mie_mis	.0006059	.0030314	0.20	0.842	-.0054744	.0066861
tsd_mie_psbl	.0117188	.0024766	4.73	0.000	.0067513	.0166863
tsd_medicare	-.0243017	.0021689	-11.20	0.000	-.028652	-.0199514
tsd_medicare_miss	-.067506	.0100569	-6.71	0.000	-.0876777	-.0473344
tsd_depend_1	-.004798	.0022446	-2.14	0.037	-.0093001	-.0002959
tsd_depend_2	.0026675	.0025568	1.04	0.302	-.0024609	.0077958
tsd_depend_miss	-.0291518	.0071717	-4.06	0.000	-.0435364	-.0147671
tsd_vrpr	-.0887134	.0098367	-9.02	0.000	-.1084432	-.0689835
tsd_vrpr_miss	-.1451715	.0102573	-14.15	0.000	-.1657451	-.1245979
pdcgrou2	-.0291544	.0046628	-6.25	0.000	-.0385067	-.0198021
pdcgrou3	-.0177357	.0042504	-4.17	0.000	-.026261	-.0092104
pdcgrou4	-.0236287	.004084	-5.79	0.000	-.0318201	-.0154373
pdcgrou5	-.0237398	.0096179	-2.47	0.017	-.0430309	-.0044488
cohort2000	-.0117612	.0034726	-3.39	0.001	-.0187265	-.004796
cohort2001	-.0166596	.0044075	-3.78	0.000	-.0255	-.0078193
cohort2002	-.0211404	.005331	-3.97	0.000	-.0318329	-.0104478
cohort2003	-.0279438	.0062617	-4.46	0.000	-.0405031	-.0153844
cohort2004	.0520737	.0241286	2.16	0.035	.0036778	.1004696
award_b4_tsd	.007063	.014945	0.47	0.638	-.0229129	.0370389
diaward_tsd	-.0007236	.0001387	-5.22	0.000	-.0010018	-.0004454
epeb4twp_flag	.3393595	.1863039	1.82	0.074	-.0343189	.7130378
ldwb4twp_flag	.6444528	.0844266	7.63	0.000	.4751146	.813791
ldwb4epe_flag	.2790683	.0383226	7.28	0.000	.202203	.3559336
twpb4tsd	-.0659751	.0122861	-5.37	0.000	-.0906179	-.0413324
epeb4tsd	-.0594913	.0039073	-15.23	0.000	-.0673284	-.0516541
ldwb4tsd	-.0372312	.0033522	-11.11	0.000	-.0439549	-.0305075
st_AL	-.0163336	.0033764	-4.84	0.000	-.0231059	-.0095614
st_AR	.0219726	.0035012	6.28	0.000	.01495	.0289951
st_AZ	.0351979	.0033344	10.56	0.000	.02851	.0418857
st_CA	.0179832	.0027873	6.45	0.000	.0123926	.0235737
st_CO	.0520857	.0028161	18.50	0.000	.0464373	.0577342
st_CT	.0960097	.003122	30.75	0.000	.0897478	.1022715
st_DC	.0235714	.0036472	6.46	0.000	.016256	.0308868
st_DE	-.0570379	.0045208	-12.62	0.000	-.0661056	-.0479703
st_FL	.0132111	.0034932	3.78	0.000	.0062048	.0202175
st_GA	-.0010664	.0034663	-0.31	0.760	-.008019	.0058861
st_HI	.0155185	.0023407	6.63	0.000	.0108237	.0202133
st_IA	.0505963	.0034377	14.72	0.000	.0437013	.0574914
st_ID	.0016752	.0034906	0.48	0.633	-.0053262	.0086765
st_IL	.0539458	.0034017	15.86	0.000	.0471229	.0607686
st_IN	.0009609	.0038887	0.25	0.806	-.0068388	.0087606
st_KS	.1289738	.0032764	39.36	0.000	.1224021	.1355454
st_KY	-.0268524	.0038629	-6.95	0.000	-.0346003	-.0191045
st_LA	.0531648	.0031158	17.06	0.000	.0469153	.0594142
st_MA	.0679916	.003615	18.81	0.000	.0607407	.0752424
st_MD	-.0072739	.0033113	-2.20	0.032	-.0139155	-.0006322
st_ME	.0167781	.003459	4.85	0.000	.0098401	.0237161
st_MI	.030038	.0032871	9.14	0.000	.023445	.036631
st_MN	.0085491	.0035096	2.44	0.018	.0015098	.0155884
st_MO	.0522748	.0031886	16.39	0.000	.0458793	.0586703
st_MS	-.0279981	.0039408	-7.10	0.000	-.0359023	-.0200939
st_MT	-.0083465	.0037706	-2.21	0.031	-.0159095	-.0007836
st_NC	-.0170528	.0036152	-4.72	0.000	-.024304	-.0098016
st_ND	-.0774941	.0028858	-26.85	0.000	-.0832822	-.071706

st_NE	.0135365	.0032168	4.21	0.000	.0070844	.0199885
st_NH	.0542728	.0033687	16.11	0.000	.0475161	.0610295
st_NJ	.0074033	.0029458	2.51	0.015	.0014947	.0133119
st_NM	.0042799	.0034023	1.26	0.214	-.0025443	.0111041
st_NV	-.0149276	.0029586	-5.05	0.000	-.0208617	-.0089935
st_NY	.0534325	.0028582	18.69	0.000	.0476997	.0591654
st_OH	-.0092384	.0036211	-2.55	0.014	-.0165014	-.0019755
st_OK	.054752	.0035805	15.29	0.000	.0475703	.0619337
st_OR	.0835544	.0031281	26.71	0.000	.0772803	.0898286
st_PA	.0079595	.0033198	2.40	0.020	.0013009	.0146181
st_PR	-.0455362	.0031841	-14.30	0.000	-.0519226	-.0391497
st_RI	.0233558	.0032698	7.14	0.000	.0167974	.0299142
st_SC	-.0565225	.0036568	-15.46	0.000	-.0638573	-.0491878
st_SD	-.0206094	.0053849	-3.83	0.000	-.0314101	-.0098086
st_TN	-.0418448	.0036107	-11.59	0.000	-.049087	-.0346026
st_TX	-.001851	.0032416	-0.57	0.570	-.0083528	.0046508
st_UT	.0024061	.0031408	0.77	0.447	-.0038934	.0087057
st_VA	.020795	.0030226	6.88	0.000	.0147325	.0268574
st_VT	-.0518173	.0040221	-12.88	0.000	-.0598846	-.0437499
st_WA	.0178066	.0031188	5.71	0.000	.011551	.0240621
st_WI	.0255272	.0032837	7.77	0.000	.018941	.0321134
st_WV	-.0062958	.0033219	-1.90	0.064	-.0129587	.0003671
st_WY	.0005763	.003239	0.18	0.859	-.0059203	.0070728
pial	.0000464	9.00e-06	5.16	0.000	.0000284	.0000645
pia_miss	.0407372	.0076983	5.29	0.000	.0252964	.056178
ime1	-.0000128	2.85e-06	-4.49	0.000	-.0000185	-7.09e-06
ime_miss	-.0525625	.0051103	-10.29	0.000	-.0628124	-.0423125
_cons	.3895447	.0184489	21.11	0.000	.3525409	.4265485

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

twproll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-.0015386	.001669	-0.92	0.361	-.0048861	.0018089

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = .0015386

twproll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	5.42e-18	.001669	0.00	1.000	-.0033475	.0033475

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 53) = 0.79
 Prob > F = 0.6225

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 53) = 0.85
 Prob > F = 0.3608

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 53) = 0.73
 Prob > F = 0.6486

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.2936
 Root MSE = .13302

(Std. Err. adjusted for 54 clusters in tsd_state)

srvroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	.0039783	.000905	4.40	0.000	.0021631	.0057935
imm23_adj	.0015905	.00142	1.12	0.268	-.0012578	.0044387
imm24_adj	.0015053	.0006221	2.42	0.019	.0002575	.0027531
imm25_adj	.0006642	.0011398	0.58	0.563	-.001622	.0029505
imm26_adj	-.0002847	.0011677	-0.24	0.808	-.0026268	.0020574
imm27_adj	-.0004629	.0006984	-0.66	0.510	-.0018638	.0009379
imm28_adj	-.0012324	.001532	-0.80	0.425	-.0043053	.0018405
imm29_adj	-.000544	.0012089	-0.45	0.655	-.0029688	.0018808
imm30_adj	-.0031857	.000937	-3.40	0.001	-.0050651	-.0013063
male	.0008421	.0009347	0.90	0.372	-.0010327	.0027168
gendermiss_flag	.1903321	.1426978	1.33	0.188	-.0958835	.4765477
tsd_age	-.0002031	.0001218	-1.67	0.101	-.0004473	.0000411
doage2	-.0000361	.0000921	-0.39	0.696	-.000221	.0001487
doage2miss_flag	-.0000395	.0030031	-0.01	0.990	-.0060631	.005984
race_a	-.0006522	.0018987	-0.34	0.733	-.0044605	.003156
race_b	.0023079	.0011026	2.09	0.041	.0000963	.0045195
race_h	-.0006937	.0012959	-0.54	0.595	-.0032929	.0019054
race_i	-.006639	.0049439	-1.34	0.185	-.0165552	.0032773
race_o	-.0030087	.0018623	-1.62	0.112	-.006744	.0007266
race_mis	-.0016253	.0028469	-0.57	0.570	-.0073356	.0040849
tsd_edu_hs	.0015496	.0010241	1.51	0.136	-.0005045	.0036037
tsd_edu_mrhs	.0072043	.0018603	3.87	0.000	.003473	.0109357
tsd_edu_mis	.002225	.0012908	1.72	0.091	-.000364	.0048141
tsd_mie_exp	.0006617	.0032067	0.21	0.837	-.0057701	.0070935
tsd_mie_mis	-.0000143	.00205	-0.01	0.994	-.0041262	.0040976
tsd_mie_psbl	.0011458	.0013182	0.87	0.389	-.0014981	.0037898
tsd_medicare	-.0024594	.0012693	-1.94	0.058	-.0050053	.0000865
tsd_medicare_miss	-.0048915	.003658	-1.34	0.187	-.0122284	.0024455
tsd_depend_1	-.0006906	.0009065	-0.76	0.450	-.0025089	.0011277
tsd_depend_2	-.0017009	.0007042	-2.42	0.019	-.0031134	-.0002884
tsd_depend_miss	-.0037123	.003839	-0.97	0.338	-.0114123	.0039876
tsd_vrpr	-.4525234	.012967	-34.90	0.000	-.478532	-.4265149
tsd_vrpr_miss	-.4761971	.0121479	-39.20	0.000	-.5005626	-.4518316

pdgroup2	-.0020322	.0016535	-1.23	0.224	-.0053488	.0012843
pdgroup3	-.0009248	.0018332	-0.50	0.616	-.0046017	.002752
pdgroup4	.0007489	.0013563	0.55	0.583	-.0019716	.0034694
pdgroup5	-.005082	.0098952	-0.51	0.610	-.0249293	.0147653
cohort2000	-.0011031	.0017596	-0.63	0.533	-.0046324	.0024261
cohort2001	-.0004993	.0025722	-0.19	0.847	-.0056584	.0046598
cohort2002	-.0025946	.0043953	-0.59	0.557	-.0114104	.0062213
cohort2003	-.0015035	.0051546	-0.29	0.772	-.0118424	.0088353
cohort2004	-.0148029	.0079482	-1.86	0.068	-.030745	.0011391
award_b4_tsd	-.00205	.0046057	-0.45	0.658	-.0112878	.0071878
diaward_tsd	-.0000831	.0001262	-0.66	0.513	-.0003364	.0001701
epeb4twp_flag	-.0719856	.0511687	-1.41	0.165	-.174617	.0306458
ldwb4twp_flag	.0094845	.0154101	0.62	0.541	-.0214243	.0403932
ldwb4epe_flag	-.0019263	.0181182	-0.11	0.916	-.0382667	.0344141
twpb4tsd	.0029632	.0020019	1.48	0.145	-.0010522	.0069786
epeb4tsd	.0054612	.0022152	2.47	0.017	.0010181	.0099042
ldwb4tsd	-.0077733	.0029381	-2.65	0.011	-.0136664	-.0018801
st_AL	.0101144	.0028599	3.54	0.001	.0043782	.0158505
st_AR	-.0013113	.0029734	-0.44	0.661	-.0072752	.0046525
st_AZ	.0182998	.0029933	6.11	0.000	.012296	.0243036
st_CA	.0065868	.0028578	2.30	0.025	.0008548	.0123188
st_CO	.02654	.0028643	9.27	0.000	.020795	.032285
st_CT	.0059955	.0030278	1.98	0.053	-.0000775	.0120685
st_DC	-.0093647	.003244	-2.89	0.006	-.0158712	-.0028581
st_DE	.0126545	.0032238	3.93	0.000	.0061884	.0191206
st_FL	-.0031369	.0028882	-1.09	0.282	-.0089299	.0026561
st_GA	-.0078915	.0028991	-2.72	0.009	-.0137063	-.0020767
st_HI	.0010053	.0028298	0.36	0.724	-.0046706	.0066812
st_IA	-.0094494	.002986	-3.16	0.003	-.0154384	-.0034603
st_ID	.0129002	.002977	4.33	0.000	.006929	.0188714
st_IL	.0092609	.0029332	3.16	0.003	.0033777	.015144
st_IN	.0033216	.0029003	1.15	0.257	-.0024956	.0091389
st_KS	.0047759	.0030044	1.59	0.118	-.0012502	.010802
st_KY	-.003424	.0029941	-1.14	0.258	-.0094295	.0025814
st_LA	-.0056498	.0029349	-1.93	0.060	-.0115364	.0002368
st_MA	.0082073	.0029935	2.74	0.008	.0022031	.0142115
st_MD	.0041751	.0029137	1.43	0.158	-.0016691	.0100193
st_ME	.0150177	.0029639	5.07	0.000	.0090728	.0209626
st_MI	.001408	.0029587	0.48	0.636	-.0045265	.0073425
st_MN	.0060762	.0030298	2.01	0.050	-7.42e-07	.0121531
st_MO	.0049083	.0029674	1.65	0.104	-.0010435	.01086
st_MS	-.0050107	.002918	-1.72	0.092	-.0108635	.0008422
st_MT	.0204168	.0033775	6.04	0.000	.0136424	.0271911
st_NC	.001446	.0028909	0.50	0.619	-.0043524	.0072444
st_ND	-.0108098	.0031345	-3.45	0.001	-.0170967	-.0045229
st_NE	.0126167	.0030329	4.16	0.000	.0065336	.0186999
st_NH	-.032809	.0030179	-10.87	0.000	-.0388622	-.0267558
st_NJ	.0015996	.0029797	0.54	0.594	-.0043769	.007576
st_NM	.0151865	.0030408	4.99	0.000	.0090875	.0212856
st_NV	-.0056106	.0029805	-1.88	0.065	-.0115887	.0003676
st_NY	.0180725	.0029698	6.09	0.000	.0121158	.0240293
st_OH	.0132943	.002957	4.50	0.000	.0073633	.0192254
st_OK	-.0023665	.0028562	-0.83	0.411	-.0080953	.0033624
st_OR	.0229344	.0030232	7.59	0.000	.0168706	.0289982
st_PA	.0091323	.002952	3.09	0.003	.0032113	.0150532
st_PR	.0027116	.0028916	0.94	0.353	-.0030882	.0085114
st_RI	.0042771	.0028442	1.50	0.139	-.0014276	.0099818
st_SC	-.0111566	.0029434	-3.79	0.000	-.0170602	-.0052529
st_SD	-.0053995	.0037275	-1.45	0.153	-.012876	.0020771
st_TN	.0123199	.0029157	4.23	0.000	.0064716	.0181681
st_TX	.0056208	.0028854	1.95	0.057	-.0001666	.0114082
st_UT	.0147117	.0029617	4.97	0.000	.0087713	.0206521
st_VA	-.0000735	.0029277	-0.03	0.980	-.0059457	.0057987

st_VT	-.0237885	.0030536	-7.79	0.000	-.0299133	-.0176637
st_WA	.0107258	.0029256	3.67	0.001	.0048579	.0165938
st_WI	.0046647	.0029734	1.57	0.123	-.0012991	.0106285
st_WV	.0075711	.0029766	2.54	0.014	.0016008	.0135414
st_WY	.0042105	.0030115	1.40	0.168	-.0018299	.0102509
pia1	6.07e-06	4.74e-06	1.28	0.205	-3.43e-06	.0000156
pia_miss	.0037074	.004041	0.92	0.363	-.0043978	.0118125
ime1	-1.73e-06	1.37e-06	-1.26	0.211	-4.48e-06	1.02e-06
ime_miss	-.0028679	.001692	-1.69	0.096	-.0062617	.0005258
_cons	.4825825	.015843	30.46	0.000	.4508054	.5143595

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

srvroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-.0020286	.0008359	-2.43	0.019	-.0037053	-.0003519

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = .0020286

srvroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-2.60e-18	.0008359	-0.00	1.000	-.0016767	.0016767

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 53) = 5.36
Prob > F = 0.0000

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 53) = 5.89
Prob > F = 0.0187

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 53) = 0.87
Prob > F = 0.5378

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH3_nounemp.xls
dir : seeout

Linear regression

Number of obs = 114657
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.4501
 Root MSE = .14641

(Std. Err. adjusted for 54 clusters in tsd_state)

-----	-----	-----	-----	-----	-----	-----
srvroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	-----
imm21_adj	.0008396	.0008014	1.05	0.300	-.0007678	.0024471
imm23_adj	.0022703	.0010532	2.16	0.036	.0001579	.0043827
imm24_adj	.0005252	.0008193	0.64	0.524	-.0011181	.0021685
imm25_adj	-.0014099	.0011714	-1.20	0.234	-.0037595	.0009397
imm26_adj	-.0005661	.0009384	-0.60	0.549	-.0024483	.0013161
imm27_adj	-.0005442	.0008757	-0.62	0.537	-.0023006	.0012121
imm28_adj	-.0009	.0017019	-0.53	0.599	-.0043135	.0025136
imm29_adj	.0021178	.0012273	1.73	0.090	-.000344	.0045795
imm30_adj	-.0014675	.0010946	-1.34	0.186	-.0036629	.000728
male	.0021414	.0012069	1.77	0.082	-.0002792	.0045621
gendermiss_flag	.1859206	.1417128	1.31	0.195	-.0983193	.4701605
tsd_age	-.0005253	.0001066	-4.93	0.000	-.000739	-.0003115
doage2	.0000328	.000061	0.54	0.593	-.0000895	.0001551
doage2miss_flag	-.0029392	.0030429	-0.97	0.338	-.0090424	.003164
race_a	-.0021649	.0022138	-0.98	0.333	-.0066052	.0022754
race_b	.0023883	.0013066	1.83	0.073	-.0002325	.0050091
race_h	.0007107	.0016615	0.43	0.671	-.0026218	.0040432
race_i	-.0062788	.0063461	-0.99	0.327	-.0190074	.0064499
race_o	-.0004797	.0021899	-0.22	0.827	-.0048721	.0039126
race_mis	-.0058833	.0028609	-2.06	0.045	-.0116215	-.000145
tsd_edu_hs	.0044913	.001009	4.45	0.000	.0024675	.0065151
tsd_edu_mrhs	.0119191	.0017477	6.82	0.000	.0084137	.0154245
tsd_edu_mis	.005335	.0014888	3.58	0.001	.0023488	.0083212
tsd_mie_exp	-.0026581	.0021224	-1.25	0.216	-.006915	.0015988
tsd_mie_mis	-.0028841	.0029098	-0.99	0.326	-.0087203	.0029522
tsd_mie_psbl	-.0027481	.0020832	-1.32	0.193	-.0069264	.0014302
tsd_medicare	-.0028707	.0013262	-2.16	0.035	-.0055307	-.0002107
tsd_medicare_miss	-.0115814	.0041955	-2.76	0.008	-.0199964	-.0031663
tsd_depend_1	-.002639	.0009063	-2.91	0.005	-.0044568	-.0008212
tsd_depend_2	-.0018473	.0007372	-2.51	0.015	-.003326	-.0003686
tsd_depend_miss	-.0041853	.005891	-0.71	0.481	-.0160012	.0076306
tsd_vrpr	-.7011745	.0123094	-56.96	0.000	-.725864	-.676485
tsd_vrpr_miss	-.7359369	.0109698	-67.09	0.000	-.7579395	-.7139342
pdcgroup2	-.0036668	.0018222	-2.01	0.049	-.0073217	-.0000118
pdcgroup3	-.004387	.0018811	-2.33	0.024	-.00816	-.000614
pdcgroup4	-.0016913	.0014746	-1.15	0.257	-.0046489	.0012663
pdcgroup5	.000232	.0043742	0.05	0.958	-.0085415	.0090055
cohort2000	-.0003314	.001886	-0.18	0.861	-.0041142	.0034514
cohort2001	-.0000461	.0030309	-0.02	0.988	-.0061252	.0060331
cohort2002	-.00162	.0048806	-0.33	0.741	-.0114093	.0081693
cohort2003	-.0009309	.0063008	-0.15	0.883	-.0135687	.0117069
cohort2004	-.0082473	.0092113	-0.90	0.375	-.0267229	.0102283
award_b4_tsd	-.0044816	.007285	-0.62	0.541	-.0190935	.0101303
diaward_tsd	-.0001441	.0001466	-0.98	0.330	-.0004381	.00015
epeb4twp_flag	-.1090397	.0798797	-1.37	0.178	-.2692582	.0511787
ldwb4twp_flag	.0132146	.024236	0.55	0.588	-.0353967	.061826
ldwb4epe_flag	.0020171	.0180036	0.11	0.911	-.0340936	.0381278
twpb4tsd	.0018067	.0023923	0.76	0.453	-.0029917	.006605
epeb4tsd	.00574	.002196	2.61	0.012	.0013353	.0101446
ldwb4tsd	-.0100484	.0041747	-2.41	0.020	-.0184218	-.001675
st_AL	.0122032	.0014048	8.69	0.000	.0093856	.0150207

st_AR	.0092946	.0016822	5.53	0.000	.0059204	.0126687
st_AZ	.0387749	.0014391	26.94	0.000	.0358885	.0416613
st_CA	.0080938	.0013024	6.21	0.000	.0054816	.0107061
st_CO	.0188169	.0015007	12.54	0.000	.015807	.0218268
st_CT	.0026045	.0015349	1.70	0.096	-.0004742	.0056831
st_DC	-.0178938	.0019413	-9.22	0.000	-.0217876	-.0140001
st_DE	.0109623	.0018613	5.89	0.000	.0072289	.0146957
st_FL	-.0007942	.0015016	-0.53	0.599	-.003806	.0022176
st_GA	.0047668	.0014777	3.23	0.002	.0018028	.0077307
st_HI	-.0067736	.0014094	-4.81	0.000	-.0096004	-.0039467
st_IA	-.0210866	.0014478	-14.56	0.000	-.0239906	-.0181826
st_ID	.0120425	.0014263	8.44	0.000	.0091816	.0149033
st_IL	.0225453	.0016323	13.81	0.000	.0192712	.0258193
st_IN	-.0023781	.0015874	-1.50	0.140	-.005562	.0008059
st_KS	.0136484	.0016327	8.36	0.000	.0103735	.0169232
st_KY	-.011557	.0016048	-7.20	0.000	-.0147759	-.0083381
st_LA	.0174414	.0016716	10.43	0.000	.0140885	.0207943
st_MA	.0086424	.0015336	5.64	0.000	.0055665	.0117184
st_MD	.0053516	.0013142	4.07	0.000	.0027157	.0079875
st_ME	.0126563	.0015174	8.34	0.000	.0096128	.0156999
st_MI	.0085551	.0015591	5.49	0.000	.0054279	.0116822
st_MN	.0075501	.0015124	4.99	0.000	.0045165	.0105837
st_MO	.0171598	.0014438	11.89	0.000	.014264	.0200556
st_MS	.0006467	.00148	0.44	0.664	-.0023219	.0036153
st_MT	.0218546	.0019074	11.46	0.000	.0180287	.0256804
st_NC	-.0030477	.0013217	-2.31	0.025	-.0056987	-.0003967
st_ND	-.0207479	.0020597	-10.07	0.000	-.0248792	-.0166166
st_NE	.0104506	.0014863	7.03	0.000	.0074694	.0134317
st_NH	-.0108762	.0015892	-6.84	0.000	-.0140637	-.0076887
st_NJ	.0045022	.0014417	3.12	0.003	.0016106	.0073939
st_NM	.006641	.0015181	4.37	0.000	.0035961	.0096859
st_NV	-.0091565	.0014937	-6.13	0.000	-.0121525	-.0061606
st_NY	.0224119	.0014605	15.35	0.000	.0194825	.0253413
st_OH	.0104376	.0014135	7.38	0.000	.0076024	.0132727
st_OK	.0273368	.0017002	16.08	0.000	.0239265	.030747
st_OR	.0378047	.0014826	25.50	0.000	.034831	.0407784
st_PA	.0067494	.0014344	4.71	0.000	.0038725	.0096264
st_PR	-.0024884	.0014802	-1.68	0.099	-.0054573	.0004805
st_RI	-.002938	.0013902	-2.11	0.039	-.0057264	-.0001495
st_SC	-.0123327	.0015147	-8.14	0.000	-.0153708	-.0092947
st_SD	-.0167918	.003126	-5.37	0.000	-.0230618	-.0105218
st_TN	.0388846	.0015273	25.46	0.000	.0358212	.041948
st_TX	.0015775	.0013246	1.19	0.239	-.0010793	.0042343
st_UT	.0203628	.0014042	14.50	0.000	.0175464	.0231793
st_VA	-.0055739	.0016163	-3.45	0.001	-.0088158	-.002332
st_VT	-.0426271	.0018309	-23.28	0.000	-.0462994	-.0389549
st_WA	.0089901	.0013684	6.57	0.000	.0062455	.0117347
st_WI	.0287449	.0014926	19.26	0.000	.025751	.0317387
st_WV	.0044018	.0016731	2.63	0.011	.0010461	.0077576
st_WY	-.0041163	.0014401	-2.86	0.006	-.0070048	-.0012278
pial	3.65e-06	6.94e-06	0.53	0.601	-.0000103	.0000176
pia_miss	-.0011935	.0082099	-0.15	0.885	-.0176605	.0152735
ime1	-1.00e-06	1.79e-06	-0.56	0.577	-4.59e-06	2.58e-06
ime_miss	-.0019324	.0028572	-0.68	0.502	-.0076632	.0037984
_cons	.7609949	.0151483	50.24	0.000	.7306113	.7913785

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj -
imm28_adj - imm29_adj - imm30_adj = 0

srvroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
-----------	-------	-----------	---	------	----------------------

(1) | -.0008653 .0010612 -0.82 0.419 -.0029938 .0012633

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
imm28_adj + imm29_adj + imm30_adj = .0008653

srvroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-3.38e-17	.0010612	-0.00	1.000	-.0021285 .0021285

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 53) = 1.55
Prob > F = 0.1534

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
imm28_adj + imm29_adj + imm30_adj = 0

F(1, 53) = 0.66
Prob > F = 0.4185

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 53) = 1.26
Prob > F = 0.2873

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH3_nounemp.xls
dir : seeout

Linear regression

Number of obs = 114657
F(52, 53) = .
Prob > F = .
R-squared = 0.5504
Root MSE = .14795

(Std. Err. adjusted for 54 clusters in tsd_state)

srvroll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
imm21_adj	.0019862	.001228	1.62	0.112	-.000477 .0044493
imm23_adj	.0009909	.0011068	0.90	0.375	-.0012291 .0032109
imm24_adj	-.000969	.0011957	-0.81	0.421	-.0033673 .0014292
imm25_adj	-.00145	.0012077	-1.20	0.235	-.0038724 .0009723
imm26_adj	-.0006603	.0012403	-0.53	0.597	-.0031481 .0018274
imm27_adj	-.0002397	.0013405	-0.18	0.859	-.0029283 .0024489

imm28_adj	-.0011473	.002012	-0.57	0.571	-.0051829	.0028883
imm29_adj	.0014776	.001493	0.99	0.327	-.001517	.0044721
imm30_adj	-.0000928	.0010922	-0.08	0.933	-.0022834	.0020978
male	.0011664	.0011699	1.00	0.323	-.0011801	.0035129
gendermiss_flag	.1820439	.1428296	1.27	0.208	-.104436	.4685237
tsd_age	-.0005798	.000112	-5.18	0.000	-.0008044	-.0003552
doage2	-7.31e-06	.0000786	-0.09	0.926	-.0001649	.0001503
doage2miss_flag	-.0109035	.003727	-2.93	0.005	-.018379	-.0034281
race_a	-.0021825	.0029719	-0.73	0.466	-.0081434	.0037784
race_b	.003795	.001461	2.60	0.012	.0008647	.0067253
race_h	.0003622	.0018748	0.19	0.848	-.0033983	.0041227
race_i	-.0037668	.0054675	-0.69	0.494	-.0147333	.0071997
race_o	-.0007552	.0024125	-0.31	0.755	-.005594	.0040836
race_mis	-.0063509	.0030875	-2.06	0.045	-.0125436	-.0001581
tsd_edu_hs	.0061533	.0011502	5.35	0.000	.0038463	.0084603
tsd_edu_mrhs	.0145241	.0021321	6.81	0.000	.0102477	.0188005
tsd_edu_mis	.006608	.0016021	4.12	0.000	.0033946	.0098214
tsd_mie_exp	-.0029761	.0029734	-1.00	0.321	-.00894	.0029877
tsd_mie_mis	-.0035997	.0023194	-1.55	0.127	-.0082519	.0010525
tsd_mie_psbl	-.003387	.0016677	-2.03	0.047	-.006732	-.000042
tsd_medicare	-.0017131	.0015658	-1.09	0.279	-.0048536	.0014275
tsd_medicare_miss	-.0153519	.003506	-4.38	0.000	-.022384	-.0083198
tsd_depend_1	-.0024389	.0008095	-3.01	0.004	-.0040626	-.0008153
tsd_depend_2	-.0024518	.0008922	-2.75	0.008	-.0042414	-.0006622
tsd_depend_miss	-.0069814	.0055466	-1.26	0.214	-.0181064	.0041437
tsd_vrpr	-.8665261	.0087802	-98.69	0.000	-.8841371	-.8489152
tsd_vrpr_miss	-.9091199	.0063003	-144.30	0.000	-.9217567	-.8964832
pdcgrou2	-.0040983	.0017898	-2.29	0.026	-.0076883	-.0005084
pdcgrou3	-.0041126	.001665	-2.47	0.017	-.0074523	-.000773
pdcgrou4	-.0010802	.0013311	-0.81	0.421	-.0037499	.0015896
pdcgrou5	-.0117092	.0025934	-4.52	0.000	-.0169109	-.0065076
cohort2000	-.0031155	.0014505	-2.15	0.036	-.006025	-.0002061
cohort2001	-.0032298	.0021655	-1.49	0.142	-.0075732	.0011136
cohort2002	-.0060444	.0033094	-1.83	0.073	-.0126822	.0005934
cohort2003	-.0065302	.004752	-1.37	0.175	-.0160616	.0030012
cohort2004	-.0033698	.0089614	-0.38	0.708	-.0213442	.0146046
award_b4_tsd	-.0061293	.0075887	-0.81	0.423	-.0213504	.0090917
diaward_tsd	-.0003241	.000123	-2.64	0.011	-.0005708	-.0000774
epeb4twp_flag	-.170565	.0974524	-1.75	0.086	-.3660297	.0248998
ldwb4twp_flag	.0791129	.0639258	1.24	0.221	-.049106	.2073318
ldwb4epe_flag	.0192536	.0138721	1.39	0.171	-.0085702	.0470775
twpb4tsd	.0037772	.0021192	1.78	0.080	-.0004734	.0080278
epeb4tsd	.0115614	.0021498	5.38	0.000	.0072495	.0158732
ldwb4tsd	-.0167952	.0041835	-4.01	0.000	-.0251863	-.008404
st_AL	.0115453	.0013036	8.86	0.000	.0089305	.0141601
st_AR	.01133	.0016895	6.71	0.000	.0079413	.0147187
st_AZ	.0452499	.0011953	37.86	0.000	.0428525	.0476473
st_CA	.0089431	.0009846	9.08	0.000	.0069683	.0109179
st_CO	.0117278	.0014173	8.27	0.000	.0088851	.0145705
st_CT	.0360918	.0013596	26.55	0.000	.0333647	.0388189
st_DC	-.0262728	.0017652	-14.88	0.000	-.0298133	-.0227323
st_DE	.0191062	.0016654	11.47	0.000	.0157659	.0224465
st_FL	.0076033	.0012855	5.91	0.000	.005025	.0101816
st_GA	.0155744	.001361	11.44	0.000	.0128447	.0183042
st_HI	-.0085562	.0009444	-9.06	0.000	-.0104505	-.0066619
st_IA	-.0021872	.0014244	-1.54	0.131	-.0050442	.0006698
st_ID	.0107105	.0014102	7.59	0.000	.0078819	.0135391
st_IL	.0343114	.001477	23.23	0.000	.0313489	.037274
st_IN	.0165759	.001378	12.03	0.000	.0138119	.0193399
st_KS	.0017289	.0014625	1.18	0.242	-.0012045	.0046623
st_KY	.0005791	.0014529	0.40	0.692	-.002335	.0034932
st_LA	.0095628	.0014885	6.42	0.000	.0065772	.0125485
st_MA	.0244287	.0013447	18.17	0.000	.0217315	.0271258

st_MD	.006661	.0011291	5.90	0.000	.0043963	.0089257
st_ME	.0083377	.0014405	5.79	0.000	.0054485	.0112269
st_MI	.012118	.0014035	8.63	0.000	.009303	.0149329
st_MN	.0108485	.0015189	7.14	0.000	.0078019	.013895
st_MO	.0327043	.0013128	24.91	0.000	.0300712	.0353374
st_MS	.0090104	.0012519	7.20	0.000	.0064994	.0115214
st_MT	.0359906	.0015432	23.32	0.000	.0328952	.0390859
st_NC	-.0088084	.0011943	-7.38	0.000	-.0112039	-.0064129
st_ND	-.0281973	.0025277	-11.16	0.000	-.0332672	-.0231273
st_NE	.0143628	.0014336	10.02	0.000	.0114873	.0172382
st_NH	-.0285291	.0013332	-21.40	0.000	-.0312032	-.0258551
st_NJ	.0041205	.0012863	3.20	0.002	.0015404	.0067005
st_NM	.0180879	.0013773	13.13	0.000	.0153255	.0208504
st_NV	-.0085016	.0012615	-6.74	0.000	-.0110318	-.0059714
st_NY	.0288516	.0014215	20.30	0.000	.0260004	.0317028
st_OH	.0101753	.0012826	7.93	0.000	.0076027	.0127478
st_OK	.020822	.0017338	12.01	0.000	.0173445	.0242995
st_OR	.0264466	.0013502	19.59	0.000	.0237385	.0291547
st_PA	.004258	.0014034	3.03	0.004	.0014431	.0070729
st_PR	-.0036124	.0009732	-3.71	0.000	-.0055644	-.0016603
st_RI	-.0083535	.001372	-6.09	0.000	-.0111053	-.0056017
st_SC	-.0054043	.0012609	-4.29	0.000	-.0079332	-.0028753
st_SD	.0850072	.0024318	34.96	0.000	.0801297	.0898847
st_TN	.0421641	.0014672	28.74	0.000	.0392213	.0451069
st_TX	-.0001148	.0010471	-0.11	0.913	-.002215	.0019855
st_UT	.0246625	.0014639	16.85	0.000	.0217262	.0275987
st_VA	-.0059037	.0014921	-3.96	0.000	-.0088965	-.0029109
st_VT	-.0106702	.0018615	-5.73	0.000	-.0144038	-.0069366
st_WA	.0032124	.0012398	2.59	0.012	.0007258	.005699
st_WI	.0242384	.0014947	16.22	0.000	.0212403	.0272365
st_WV	-.0020902	.0016438	-1.27	0.209	-.0053872	.0012068
st_WY	-.0100594	.0015195	-6.62	0.000	-.0131072	-.0070116
pial	-7.16e-06	6.53e-06	-1.10	0.278	-.0000203	5.94e-06
pia_miss	-.0055649	.0070853	-0.79	0.436	-.0197761	.0086464
ime1	1.68e-06	1.61e-06	1.04	0.302	-1.55e-06	4.91e-06
ime_miss	-.0007651	.0027724	-0.28	0.784	-.0063258	.0047955
_cons	.9522191	.0086841	109.65	0.000	.934801	.9696371

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

srvroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0001046	.0012204	0.09	0.932	-.0023434 .0025525

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj =
-.0001046

srvroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	1.93e-17	.0012204	0.00	1.000	-.0024479 .0024479

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0

(6) imm27_adj = 0
 (7) imm28_adj = 0
 (8) imm29_adj = 0
 (9) imm30_adj = 0

F(9, 53) = 0.99
 Prob > F = 0.4607

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
 imm28_adj + imm29_adj + imm30_adj = 0

F(1, 53) = 0.01
 Prob > F = 0.9321

(1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
 (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
 (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
 (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
 (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
 (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
 (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 53) = 0.91
 Prob > F = 0.5081

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.5516
 Root MSE = .15497

(Std. Err. adjusted for 54 clusters in tsd_state)

srvroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	.0018896	.0011141	1.70	0.096	-.000345	.0041243
imm23_adj	.000039	.0010966	0.04	0.972	-.0021604	.0022385
imm24_adj	-.000923	.0011566	-0.80	0.428	-.0032429	.0013969
imm25_adj	-.0004187	.001102	-0.38	0.705	-.0026289	.0017915
imm26_adj	-.0015827	.0010865	-1.46	0.151	-.0037619	.0005965
imm27_adj	.0003707	.0011195	0.33	0.742	-.0018748	.0026162
imm28_adj	-.0003982	.0014038	-0.28	0.778	-.0032139	.0024175
imm29_adj	.0014219	.0013821	1.03	0.308	-.0013501	.0041194
imm30_adj	-.0004461	.0011283	-0.40	0.694	-.0027091	.0018169
male	.0012372	.0013069	0.95	0.348	-.0013842	.0038586
gendermiss_flag	.1793494	.1427103	1.26	0.214	-.1068913	.4655901
tsd_age	-.0005654	.0001215	-4.65	0.000	-.0008092	-.0003216
doage2	-.0001521	.0000917	-1.66	0.103	-.000336	.0000318
doage2miss_flag	-.0109188	.0036824	-2.97	0.005	-.0183048	-.0035327
race_a	-.0028055	.0042329	-0.66	0.510	-.0112957	.0056846
race_b	.0037835	.0015052	2.51	0.015	.0007645	.0068025
race_h	-.0004289	.0019932	-0.22	0.830	-.0044269	.003569
race_i	-.0050506	.0050409	-1.00	0.321	-.0151612	.0050601
race_o	-.0020456	.0025505	-0.80	0.426	-.0071612	.00307
race_mis	-.0073098	.0038141	-1.92	0.061	-.0149599	.0003402
tsd_edu_hs	.0071466	.0012671	5.64	0.000	.0046052	.009688
tsd_edu_mrhs	.016549	.0027977	5.92	0.000	.0109376	.0221604
tsd_edu_mis	.0078066	.0022168	3.52	0.001	.0033603	.012253

tsd_mie_exp	-.0012615	.0026717	-0.47	0.639	-.0066203	.0040972
tsd_mie_mis	-.0031246	.002441	-1.28	0.206	-.0080207	.0017715
tsd_mie_psbl	-.0026651	.0017045	-1.56	0.124	-.006084	.0007538
tsd_medicare	-.0034406	.0014647	-2.35	0.023	-.0063785	-.0005027
tsd_medicare_miss	-.0161671	.0024722	-6.54	0.000	-.0211257	-.0112085
tsd_depend_1	-.0021257	.001301	-1.63	0.108	-.0047351	.0004837
tsd_depend_2	-.0027423	.0010918	-2.51	0.015	-.0049322	-.0005523
tsd_depend_miss	-.0067431	.006073	-1.11	0.272	-.018924	.0054377
tsd_vrpr	-.9061922	.0072129	-125.64	0.000	-.9206594	-.8917249
tsd_vrpr_miss	-.9533957	.004205	-226.73	0.000	-.9618298	-.9449616
pdgroup2	-.0040028	.0017769	-2.25	0.028	-.0075668	-.0004387
pdgroup3	-.0040295	.0021498	-1.87	0.066	-.0083415	.0002825
pdgroup4	-.001559	.0015858	-0.98	0.330	-.0047397	.0016218
pdgroup5	-.016846	.0029334	-5.74	0.000	-.0227298	-.0109623
cohort2000	-.0026961	.0014284	-1.89	0.065	-.0055611	.000169
cohort2001	-.0030664	.0021275	-1.44	0.155	-.0073336	.0012008
cohort2002	-.0062758	.0024727	-2.54	0.014	-.0112355	-.0013161
cohort2003	-.0079461	.0040788	-1.95	0.057	-.0161272	.0002349
cohort2004	-.0044266	.0090491	-0.49	0.627	-.0225767	.0137235
award_b4_tsd	-.0088905	.0074015	-1.20	0.235	-.023736	.0059549
diaward_tsd	-.0003879	.0001072	-3.62	0.001	-.000603	-.0001728
epeb4twp_flag	-.0676425	.0317996	-2.13	0.038	-.1314245	-.0038606
ldwb4twp_flag	.0476235	.0586579	0.81	0.420	-.0700292	.1652763
ldwb4epe_flag	.0183413	.0133112	1.38	0.174	-.0083576	.0450401
twpb4tsd	.003965	.0020539	1.93	0.059	-.0001546	.0080845
epeb4tsd	.0142708	.0026109	5.47	0.000	.0090339	.0195076
ldwb4tsd	-.0189973	.0037164	-5.11	0.000	-.0264514	-.0115432
st_AL	.0154176	.0018063	8.54	0.000	.0117945	.0190407
st_AR	.0117407	.0020456	5.74	0.000	.0076377	.0158436
st_AZ	.0510527	.0017409	29.33	0.000	.0475608	.0545445
st_CA	.0148725	.0014476	10.27	0.000	.0119689	.0177761
st_CO	.0132896	.0019335	6.87	0.000	.0094114	.0171678
st_CT	.0422455	.0019103	22.11	0.000	.0384139	.046077
st_DC	-.0264075	.0020093	-13.14	0.000	-.0304376	-.0223774
st_DE	.0749136	.0021358	35.08	0.000	.0706297	.0791975
st_FL	.0229832	.0017584	13.07	0.000	.0194563	.0265102
st_GA	.0215449	.0018298	11.77	0.000	.0178747	.0252151
st_HI	-.0069704	.0012666	-5.50	0.000	-.0095109	-.0044298
st_IA	.0122711	.0018334	6.69	0.000	.0085938	.0159484
st_ID	.0133836	.0017364	7.71	0.000	.0099008	.0168663
st_IL	.0436045	.0019882	21.93	0.000	.0396166	.0475924
st_IN	.0226356	.0017293	13.09	0.000	.019167	.0261041
st_KS	.0380471	.0020168	18.87	0.000	.0340019	.0420923
st_KY	.0050001	.0018666	2.68	0.010	.0012561	.0087441
st_LA	.0191698	.0020657	9.28	0.000	.0150265	.0233132
st_MA	.0334347	.0018167	18.40	0.000	.0297909	.0370784
st_MD	.0091519	.0016157	5.66	0.000	.0059112	.0123925
st_ME	.0111093	.0017672	6.29	0.000	.0075647	.0146539
st_MI	.0193376	.0018803	10.28	0.000	.0155661	.0231091
st_MN	.0196479	.0018692	10.51	0.000	.0158988	.0233971
st_MO	.0323537	.0018421	17.56	0.000	.0286589	.0360485
st_MS	.0232863	.0017264	13.49	0.000	.0198237	.0267489
st_MT	.0759236	.0018311	41.46	0.000	.0722508	.0795963
st_NC	-.0064923	.001633	-3.98	0.000	-.0097677	-.0032169
st_ND	-.0281873	.0029585	-9.53	0.000	-.0341212	-.0222533
st_NE	.0228502	.0017548	13.02	0.000	.0193305	.0263699
st_NH	-.0306781	.0017507	-17.52	0.000	-.0341895	-.0271668
st_NJ	.0046416	.0018552	2.50	0.015	.0009206	.0083627
st_NM	.0190883	.001779	10.73	0.000	.01552	.0226565
st_NV	.0271154	.001752	15.48	0.000	.0236013	.0306295
st_NY	.0348217	.0020927	16.64	0.000	.0306243	.0390191
st_OH	.0172883	.0016231	10.65	0.000	.0140328	.0205437
st_OK	.0221112	.0020244	10.92	0.000	.0180508	.0261717

st_OR	.0463578	.0017942	25.84	0.000	.0427591	.0499565
st_PA	.0085622	.0018376	4.66	0.000	.0048766	.0122479
st_PR	.0013394	.0013157	1.02	0.313	-.0012995	.0039783
st_RI	-.0041062	.0018278	-2.25	0.029	-.0077722	-.0004401
st_SC	.0036255	.0017321	2.09	0.041	.0001513	.0070997
st_SD	.0851301	.0028483	29.89	0.000	.079417	.0908431
st_TN	.046825	.0018974	24.68	0.000	.0430193	.0506308
st_TX	.0046056	.0014925	3.09	0.003	.001612	.0075992
st_UT	.0346246	.0017883	19.36	0.000	.0310376	.0382115
st_VA	.0010428	.0020455	0.51	0.612	-.00306	.0051455
st_VT	-.0114051	.0022096	-5.16	0.000	-.015837	-.0069732
st_WA	.0058013	.0015885	3.65	0.001	.0026152	.0089873
st_WI	.0423514	.001934	21.90	0.000	.0384722	.0462305
st_WV	.001444	.0020339	0.71	0.481	-.0026355	.0055235
st_WY	-.0023592	.0018266	-1.29	0.202	-.0060228	.0013044
pial	-.0000115	6.68e-06	-1.72	0.092	-.0000249	1.94e-06
pia_miss	-.0130928	.0070925	-1.85	0.070	-.0273186	.0011331
ime1	2.37e-06	1.51e-06	1.57	0.123	-6.62e-07	5.40e-06
ime_miss	.0009046	.0024189	0.37	0.710	-.0039472	.0057563
_cons	1.002336	.0073014	137.28	0.000	.9876914	1.016981

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

srvroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0000474	.0014422	0.03	0.974	-.0028452 .0029401

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj =
-.0000474

srvroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-1.02e-17	.0014422	-0.00	1.000	-.0028926 .0028926

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 53) = 1.00
Prob > F = 0.4509

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 53) = 0.00
Prob > F = 0.9739

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0

- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 53) = 1.18
 Prob > F = 0.3277

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression Number of obs = 114657
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.4184
 Root MSE = 1.1181

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	-.0032173	.0089325	-0.36	0.720	-.0211336	.014699
imm23_adj	.0163999	.0079067	2.07	0.043	.000541	.0322587
imm24_adj	-.0082234	.0058985	-1.39	0.169	-.0200543	.0036076
imm25_adj	-.0031826	.0090394	-0.35	0.726	-.0213133	.0149481
imm26_adj	-.0013506	.0068315	-0.20	0.844	-.0150527	.0123516
imm27_adj	-.025139	.008898	-2.83	0.007	-.042986	-.0072919
imm28_adj	.0110405	.011042	1.00	0.322	-.011107	.0331879
imm29_adj	.002709	.004697	0.58	0.567	-.006712	.0121299
imm30_adj	.0105873	.0079955	1.32	0.191	-.0054496	.0266242
male	.0038527	.0062779	0.61	0.542	-.0087391	.0164446
gendermiss_flag	-.0746864	.0367795	-2.03	0.047	-.1484566	-.0009161
tsd_age	-.0018345	.00072	-2.55	0.014	-.0032786	-.0003904
doage2	-.0002893	.0006281	-0.46	0.647	-.0015491	.00009705
doage2miss_flag	3.626073	.1883874	19.25	0.000	3.248216	4.00393
race_a	-.0164846	.0160189	-1.03	0.308	-.0486144	.0156452
race_b	.0215048	.0113788	1.89	0.064	-.0013182	.0443279
race_h	.046192	.0149354	3.09	0.003	.0162354	.0761486
race_i	.0430679	.0387976	1.11	0.272	-.0347503	.1208861
race_o	.0066726	.0351212	0.19	0.850	-.0637715	.0771167
race_mis	.0821461	.026769	3.07	0.003	.0284543	.1358378
tsd_edu_hs	.0045466	.0070117	0.65	0.520	-.0095171	.0186104
tsd_edu_mrhs	.0236287	.0077622	3.04	0.004	.0080596	.0391977
tsd_edu_mis	.0290862	.0087108	3.34	0.002	.0116146	.0465578
tsd_mie_exp	-.0039713	.0218374	-0.18	0.856	-.0477716	.0398289
tsd_mie_mis	-.0248341	.0102532	-2.42	0.019	-.0453995	-.0042688
tsd_mie_psbl	-.0137231	.0089881	-1.53	0.133	-.0317509	.0043047
tsd_medicare	-.0345709	.0122992	-2.81	0.007	-.0592399	-.0099018
tsd_medicare_miss	-.0159675	.0174678	-0.91	0.365	-.0510034	.0190684
tsd_depend_1	-.03236	.0063008	-5.14	0.000	-.0449977	-.0197223
tsd_depend_2	-.0115852	.0070154	-1.65	0.105	-.0256562	.0024858
tsd_depend_miss	.0866266	.0303515	2.85	0.006	.0257491	.147504
tsd_vrpr	.0881409	.0256889	3.43	0.001	.0366155	.1396663
tsd_vrpr_miss	.1292595	.020432	6.33	0.000	.0882781	.1702409
pdcgrou2	-.0115576	.0064919	-1.78	0.081	-.0245786	.0014635
pdcgrou3	.039487	.0091576	4.31	0.000	.0211191	.0578549
pdcgrou4	.0236784	.0092591	2.56	0.013	.005107	.0422498
pdcgrou5	-.019205	.0755456	-0.25	0.800	-.1707302	.1323202
cohort2000	.0344015	.0326819	1.05	0.297	-.03115	.0999531
cohort2001	.0984338	.044868	2.19	0.033	.0084399	.1884277
cohort2002	.0992502	.0696589	1.42	0.160	-.0404678	.2389682

cohort2003	.02761	.0739509	0.37	0.710	-.1207168	.1759368
cohort2004	.1135268	.0729698	1.56	0.126	-.032832	.2598856
award_b4_tsd	-.0032153	.0171068	-0.19	0.852	-.0375272	.0310965
diaward_tsd	-.0017602	.0011872	-1.48	0.144	-.0041414	.0006209
epeb4twp_flag	.0847225	.5698839	0.15	0.882	-1.05832	1.227765
ldwb4twp_flag	-1.777066	.4335057	-4.10	0.000	-2.646568	-.9075635
ldwb4epe_flag	1.030128	.2672113	3.86	0.000	.4941698	1.566086
twpb4tsd	.8422201	.069189	12.17	0.000	.7034445	.9809956
epeb4tsd	.4929564	.0679754	7.25	0.000	.356615	.6292978
ldwb4tsd	5.075843	.1404463	36.14	0.000	4.794144	5.357543
st_AL	.0255887	.0084566	3.03	0.004	.008627	.0425504
st_AR	-.1080461	.0124443	-8.68	0.000	-.1330062	-.0830859
st_AZ	-.1743458	.0106142	-16.43	0.000	-.1956351	-.1530564
st_CA	.0522346	.0064007	8.16	0.000	.0393965	.0650727
st_CO	-.1265897	.0125518	-10.09	0.000	-.1517654	-.1014139
st_CT	-.2313618	.0112281	-20.61	0.000	-.2538826	-.2088411
st_DC	-.051118	.0221907	-2.30	0.025	-.0956269	-.0066092
st_DE	-.350557	.0096563	-36.30	0.000	-.369925	-.331189
st_FL	-.1298338	.0090201	-14.39	0.000	-.1479258	-.1117418
st_GA	-.0098239	.0084783	-1.16	0.252	-.0268292	.0071814
st_HI	.0509293	.0125441	4.06	0.000	.025769	.0760896
st_IA	-.114974	.0152368	-7.55	0.000	-.1455352	-.0844128
st_ID	.0321904	.011589	2.78	0.008	.0089457	.0554351
st_IL	-.1080609	.0108874	-9.93	0.000	-.1298983	-.0862236
st_IN	-.0276687	.0120413	-2.30	0.026	-.0518206	-.0035168
st_KS	.0214453	.0085503	2.51	0.015	.0042956	.0385951
st_KY	.0159898	.0121251	1.32	0.193	-.0083301	.0403096
st_LA	-.1360296	.0079361	-17.14	0.000	-.1519473	-.1201119
st_MA	-.1370386	.0113147	-12.11	0.000	-.159733	-.1143442
st_MD	.0973896	.0090185	10.80	0.000	.0793007	.1154785
st_ME	.0104574	.0119991	0.87	0.387	-.0136097	.0345246
st_MI	-.1002878	.0103385	-9.70	0.000	-.1210241	-.0795515
st_MN	-.0236643	.0135338	-1.75	0.086	-.0508097	.0034811
st_MO	-.0845347	.0132049	-6.40	0.000	-.1110204	-.0580489
st_MS	-.1010204	.0102845	-9.82	0.000	-.1216485	-.0803924
st_MT	-.0822788	.0200521	-4.10	0.000	-.1224983	-.0420593
st_NC	-9.24e-06	.0082918	-0.00	0.999	-.0166405	.016622
st_ND	-.2431903	.024031	-10.12	0.000	-.2913905	-.1949902
st_NE	-.0491879	.0115742	-4.25	0.000	-.0724028	-.025973
st_NH	-.0743725	.0140179	-5.31	0.000	-.1024887	-.0462562
st_NJ	-.1343502	.0098365	-13.66	0.000	-.1540797	-.1146207
st_NM	-.2425259	.0132638	-18.28	0.000	-.2691297	-.2159221
st_NV	-.115114	.0101818	-11.31	0.000	-.1355361	-.0946918
st_NY	-.1635183	.0089853	-18.20	0.000	-.1815406	-.145496
st_OH	-.0036137	.0104855	-0.34	0.732	-.0246449	.0174176
st_OK	-.0509753	.0128881	-3.96	0.000	-.0768256	-.025125
st_OR	-.19665	.0130642	-15.05	0.000	-.2228534	-.1704466
st_PA	.0434531	.0092453	4.70	0.000	.0249094	.0619968
st_PR	-.0074826	.0127072	-0.59	0.558	-.0329699	.0180048
st_RI	.0863442	.0080447	10.73	0.000	.0702086	.1024799
st_SC	-.0298623	.0111182	-2.69	0.010	-.0521626	-.007562
st_SD	-.4691493	.0279984	-16.76	0.000	-.525307	-.4129916
st_TN	.0072405	.0106872	0.68	0.501	-.0141954	.0286764
st_TX	.0453078	.0083965	5.40	0.000	.0284665	.0621491
st_UT	.0055512	.0121826	0.46	0.650	-.0188839	.0299864
st_VA	-.0786958	.0089549	-8.79	0.000	-.096657	-.0607347
st_VT	-.0425114	.0113179	-3.76	0.000	-.0652123	-.0198106
st_WA	.0207022	.0105943	1.95	0.056	-.0005473	.0419518
st_WI	-.1999324	.0129231	-15.47	0.000	-.2258529	-.1740118
st_WV	.0284144	.0115015	2.47	0.017	.0053452	.0514836
st_WY	.1197726	.0151046	7.93	0.000	.0894767	.1500685
pial	.0000908	.0000528	1.72	0.091	-.0000151	.0001968
pia_miss	-.0872957	.0607331	-1.44	0.156	-.2091108	.0345194

ime1	-4.50e-06	.0000172	-0.26	0.794	-.0000389	.0000299
ime_miss	.0111722	.0250908	0.45	0.658	-.0391536	.0614981
_cons	-.1205939	.0914603	-1.32	0.193	-.30404	.0628523

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

nstwl2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	.0003762	.0058111	0.06	0.949	-.0112793	.0120317

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj =
-.0003762

nstwl2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-8.62e-18	.0058111	-0.00	1.000	-.0116555	.0116555

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 53) = 4.81
Prob > F = 0.0001

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 53) = 0.00
Prob > F = 0.9486

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 53) = 4.55
Prob > F = 0.0005

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH3_nounemp.xls
dir : seeout

Linear regression

Number of obs = 114657
F(52, 53) = .
Prob > F = .
R-squared = 0.3599
Root MSE = 2.521

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	-.0228073	.0208645	-1.09	0.279	-.0646561	.0190416
imm23_adj	.0363028	.0161619	2.25	0.029	.0038861	.0687195
imm24_adj	-.0237099	.01687	-1.41	0.166	-.0575469	.0101271
imm25_adj	-.0026812	.0200228	-0.13	0.894	-.0428418	.0374793
imm26_adj	-.0110275	.020278	-0.54	0.589	-.0517001	.0296451
imm27_adj	-.0357915	.0222362	-1.61	0.113	-.0803917	.0088088
imm28_adj	.0241473	.0261457	0.92	0.360	-.0282943	.0765889
imm29_adj	.0071924	.0143549	0.50	0.618	-.0215998	.0359846
imm30_adj	.0184021	.0189121	0.97	0.335	-.0195307	.0563348
male	.0471608	.0155926	3.02	0.004	.015886	.0784357
gendermiss_flag	-.2520396	.1015084	-2.48	0.016	-.4556397	-.0484396
tsd_age	-.0088923	.0018084	-4.92	0.000	-.0125194	-.0052652
doage2	-.0014606	.0010507	-1.39	0.170	-.0035679	.0006468
doage2miss_flag	7.379507	.3720757	19.83	0.000	6.633218	8.125797
race_a	.016383	.0533331	0.31	0.760	-.0905895	.1233556
race_b	.0558569	.0275655	2.03	0.048	.0005674	.1111463
race_h	.114284	.0285939	4.00	0.000	.056932	.1716361
race_i	.0373131	.0954746	0.39	0.697	-.1541847	.2288108
race_o	.1258475	.0639026	1.97	0.054	-.0023249	.2540199
race_mis	.1771493	.0685711	2.58	0.013	.0396132	.3146855
tsd_edu_hs	.0523783	.0173178	3.02	0.004	.0176431	.0871134
tsd_edu_mrhs	.1501554	.0246727	6.09	0.000	.1006681	.1996426
tsd_edu_mis	.1155598	.0160784	7.19	0.000	.0833105	.1478091
tsd_mie_exp	-.0045095	.0445188	-0.10	0.920	-.0938028	.0847838
tsd_mie_mis	-.0544158	.0249027	-2.19	0.033	-.1043643	-.0044673
tsd_mie_psbl	-.0356114	.0268145	-1.33	0.190	-.0893945	.0181717
tsd_medicare	-.0965242	.0247029	-3.91	0.000	-.1460718	-.0469765
tsd_medicare_miss	-.1446141	.0502415	-2.88	0.006	-.2453858	-.0438423
tsd_depend_1	-.0895782	.012829	-6.98	0.000	-.1153099	-.0638464
tsd_depend_2	-.0376219	.0180058	-2.09	0.041	-.073737	-.0015069
tsd_depend_miss	.1766969	.0573701	3.08	0.003	.0616271	.2917667
tsd_vrpr	.2467303	.069995	3.52	0.001	.1063382	.3871224
tsd_vrpr_miss	.2796035	.0497743	5.62	0.000	.1797688	.3794382
pdcgrou2	-.065822	.01584	-4.16	0.000	-.097593	-.0340509
pdcgrou3	.1194259	.0212532	5.62	0.000	.0767974	.1620545
pdcgrou4	.0643783	.0168999	3.81	0.000	.0304814	.0982751
pdcgrou5	-.0063375	.1635211	-0.04	0.969	-.3343192	.3216443
cohort2000	.0571092	.0739198	0.77	0.443	-.0911552	.2053737
cohort2001	.1895583	.0854386	2.22	0.031	.0181902	.3609265
cohort2002	.193095	.1351387	1.43	0.159	-.0779589	.464149
cohort2003	.1265019	.1524284	0.83	0.410	-.1792307	.4322345
cohort2004	.4084459	.2237549	1.83	0.074	-.0403496	.8572414
award_b4_tsd	-.0615431	.0437358	-1.41	0.165	-.149266	.0261799
diaward_tsd	-.0048648	.002372	-2.05	0.045	-.0096224	-.0001072
epeb4twp_flag	-.4229969	1.107732	-0.38	0.704	-2.644826	1.798832
ldwb4twp_flag	-2.949285	.873534	-3.38	0.001	-4.701372	-1.197198
ldwb4epe_flag	3.180565	.4641201	6.85	0.000	2.249658	4.111472
twpb4tsd	2.553714	.2024927	12.61	0.000	2.147565	2.959863
epeb4tsd	.7733177	.1217873	6.35	0.000	.5290435	1.017592
ldwb4tsd	9.278101	.2672142	34.72	0.000	8.742137	9.814065
st_AL	.0264156	.0256249	1.03	0.307	-.0249814	.0778126
st_AR	-.1669881	.0278726	-5.99	0.000	-.2228934	-.1110828
st_AZ	-.3053059	.0262091	-11.65	0.000	-.3578747	-.2527371
st_CA	.1625769	.0196223	8.29	0.000	.1232195	.2019343
st_CO	-.3421561	.0255474	-13.39	0.000	-.3933977	-.2909145
st_CT	-.2982825	.0244236	-12.21	0.000	-.34727	-.2492949
st_DC	-.4700465	.0387428	-12.13	0.000	-.5477549	-.3923382

st_DE	-.6399705	.0340263	-18.81	0.000	-.7082185	-.5717224
st_FL	-.3462856	.0275603	-12.56	0.000	-.4015646	-.2910067
st_GA	-.1456491	.0269223	-5.41	0.000	-.1996484	-.0916498
st_HI	.0932938	.0204164	4.57	0.000	.0523437	.134244
st_IA	-.4093458	.0298831	-13.70	0.000	-.4692836	-.3494079
st_ID	.045605	.0263444	1.73	0.089	-.0072352	.0984452
st_IL	-.3704774	.0216301	-17.13	0.000	-.413862	-.3270929
st_IN	-.102892	.030733	-3.35	0.002	-.1645347	-.0412494
st_KS	-.2138428	.0275754	-7.75	0.000	-.269152	-.1585336
st_KY	-.0618017	.0335496	-1.84	0.071	-.1290936	.0054902
st_LA	-.3063334	.0267965	-11.43	0.000	-.3600804	-.2525865
st_MA	-.3597848	.0276802	-13.00	0.000	-.4153043	-.3042653
st_MD	.246571	.0201054	12.26	0.000	.2062446	.2868974
st_ME	.0390503	.0268529	1.45	0.152	-.0148097	.0929103
st_MI	-.1634972	.0290042	-5.64	0.000	-.2216722	-.1053222
st_MN	-.0254054	.0231517	-1.10	0.277	-.0718418	.021031
st_MO	-.1925074	.0297772	-6.46	0.000	-.2522329	-.132782
st_MS	-.1822111	.0312427	-5.83	0.000	-.2448761	-.1195462
st_MT	-.1827394	.0346205	-5.28	0.000	-.2521794	-.1132994
st_NC	-.0213608	.0251823	-0.85	0.400	-.07187	.0291484
st_ND	-.7793274	.041753	-18.67	0.000	-.8630733	-.6955815
st_NE	-.110885	.0214941	-5.16	0.000	-.1539967	-.0677733
st_NH	-.1335728	.0267269	-5.00	0.000	-.1871801	-.0799655
st_NJ	-.4103786	.0238644	-17.20	0.000	-.4582445	-.3625127
st_NM	-.6690616	.0298177	-22.44	0.000	-.7288682	-.609255
st_NV	-.3676661	.0251924	-14.59	0.000	-.4181955	-.3171366
st_NY	-.3959823	.0248359	-15.94	0.000	-.4457967	-.3461678
st_OH	.000508	.0230326	0.02	0.982	-.0456895	.0467055
st_OK	-.2416824	.0308612	-7.83	0.000	-.3035821	-.1797827
st_OR	-.3761843	.0286594	-13.13	0.000	-.4336677	-.3187009
st_PA	.098583	.0233076	4.23	0.000	.0518338	.1453322
st_PR	-.0639522	.035409	-1.81	0.077	-.1349738	.0070693
st_RI	.238372	.0239871	9.94	0.000	.19026	.286484
st_SC	-.1373837	.03571	-3.85	0.000	-.2090088	-.0657586
st_SD	-1.249265	.0463718	-26.94	0.000	-1.342276	-1.156255
st_TN	-.0378257	.0298434	-1.27	0.211	-.097684	.0220325
st_TX	.1086264	.0197777	5.49	0.000	.0689574	.1482955
st_UT	.0204496	.025338	0.81	0.423	-.030372	.0712712
st_VA	-.1572255	.0295522	-5.32	0.000	-.2164997	-.0979512
st_VT	-.3875056	.0296126	-13.09	0.000	-.4469009	-.3281103
st_WA	.0927965	.0228328	4.06	0.000	.0469997	.1385933
st_WI	-.4509643	.0238317	-18.92	0.000	-.4987647	-.403164
st_WV	.0557151	.0331911	1.68	0.099	-.0108578	.1222879
st_WY	.1766674	.026207	6.74	0.000	.1241028	.229232
pial	.0001396	.0000972	1.44	0.157	-.0000553	.0003344
pia_miss	-.2606208	.1274677	-2.04	0.046	-.5162887	-.004953
ime1	.0000303	.0000321	0.94	0.350	-.0000341	.0000947
ime_miss	.0044752	.0455368	0.10	0.922	-.08686	.0958104
_cons	-.0055814	.1635038	-0.03	0.973	-.3335285	.3223657

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj -
imm28_adj - imm29_adj - imm30_adj = 0

nstw24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0099728	.0155087	0.64	0.523	-.0211337 .0410793

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
imm28_adj + imm29_adj + imm30_adj =
-.0099728

nstw24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
(1)	-4.34e-17	.0155087	-0.00	1.000	-.0311065	.0311065

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 53) = 2.03
 Prob > F = 0.0541

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 53) = 0.41
 Prob > F = 0.5230

- (1) -.5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) -.5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) -.5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) -.5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) -.5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) -.5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) -.5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 53) = 2.35
 Prob > F = 0.0362

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.3103
 Root MSE = 4.1868

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	-.0386464	.0360119	-1.07	0.288	-.1108771	.0335842
imm23_adj	.066635	.0321814	2.07	0.043	.0020874	.1311827
imm24_adj	-.0400843	.0294744	-1.36	0.180	-.0992024	.0190338
imm25_adj	-.0026281	.0345442	-0.08	0.940	-.071915	.0666588
imm26_adj	-.0229855	.0400358	-0.57	0.568	-.1032871	.057316
imm27_adj	-.0333	.0345227	-0.96	0.339	-.1025438	.0359437
imm28_adj	.0357585	.0397565	0.90	0.372	-.0439829	.1154998
imm29_adj	-.001071	.0205361	-0.05	0.959	-.0422612	.0401192
imm30_adj	.0233577	.0360923	0.65	0.520	-.0490343	.0957497
male	.1108335	.0283061	3.92	0.000	.0540586	.1676084
gendermiss_flag	-.5614226	.1860333	-3.02	0.004	-.9345581	-.1882871

tsd_age	-.0215717	.0033468	-6.45	0.000	-.0282846	-.0148589
doage2	-.0036984	.0015085	-2.45	0.018	-.0067241	-.0006727
doage2miss_flag	13.50209	.5522392	24.45	0.000	12.39443	14.60974
race_a	.0792473	.0889008	0.89	0.377	-.0990651	.2575596
race_b	.1325454	.0500302	2.65	0.011	.0321976	.2328933
race_h	.2069757	.0464902	4.45	0.000	.1137281	.3002233
race_i	.0405786	.1424313	0.28	0.777	-.2451025	.3262597
race_o	.3194462	.1129976	2.83	0.007	.0928017	.5460908
race_mis	.2870484	.1228887	2.34	0.023	.0405649	.5335319
tsd_edu_hs	.123753	.030594	4.05	0.000	.0623892	.1851168
tsd_edu_mrhs	.3423314	.0439791	7.78	0.000	.2541205	.4305422
tsd_edu_mis	.2403209	.0307865	7.81	0.000	.1785711	.3020707
tsd_mie_exp	.0066603	.0795967	0.08	0.934	-.1529904	.166311
tsd_mie_mis	-.0968022	.0415394	-2.33	0.024	-.1801198	-.0134846
tsd_mie_psbl	-.0898507	.0437147	-2.06	0.045	-.1775312	-.0021702
tsd_medicare	-.1764652	.03625	-4.87	0.000	-.2491736	-.1037569
tsd_medicare_miss	-.4111513	.0932431	-4.41	0.000	-.5981733	-.2241293
tsd_depend_1	-.1632638	.0262508	-6.22	0.000	-.2159162	-.1106114
tsd_depend_2	-.0638357	.0337194	-1.89	0.064	-.1314682	.0037969
tsd_depend_miss	.2202349	.0833767	2.64	0.011	.0530024	.3874675
tsd_vrpr	.3735738	.1038275	3.60	0.001	.1653223	.5818253
tsd_vrpr_miss	.2864791	.0679049	4.22	0.000	.150279	.4226791
pdcgrou2	-.1721905	.0335077	-5.14	0.000	-.2393986	-.1049825
pdcgrou3	.206702	.0378955	5.45	0.000	.1306933	.2827107
pdcgrou4	.0915234	.0275384	3.32	0.002	.0362884	.1467583
pdcgrou5	-.0380741	.2415038	-0.16	0.875	-.5224693	.4463211
cohort2000	.0376138	.0988496	0.38	0.705	-.1606533	.2358809
cohort2001	.1888698	.1103763	1.71	0.093	-.0325171	.4102567
cohort2002	.171677	.1779896	0.96	0.339	-.1853249	.5286789
cohort2003	.1047221	.2078946	0.50	0.617	-.3122615	.5217058
cohort2004	.7073866	.3656585	1.93	0.058	-.0260316	1.440805
award_b4_tsd	-.1017848	.1060068	-0.96	0.341	-.3144074	.1108379
diaward_tsd	-.0114285	.003646	-3.13	0.003	-.0187415	-.0041155
epeb4twp_flag	-1.72616	1.342216	-1.29	0.204	-4.418305	.9659843
ldwb4twp_flag	-3.742506	1.24143	-3.01	0.004	-6.2325	-1.252512
ldwb4epe_flag	5.825347	.8694296	6.70	0.000	4.081492	7.569202
twpb4tsd	4.42822	.3200126	13.84	0.000	3.786356	5.070084
epeb4tsd	.9142315	.1852724	4.93	0.000	.5426221	1.285841
ldwb4tsd	12.97732	.3691283	35.16	0.000	12.23694	13.7177
st_AL	.0261136	.0479434	0.54	0.588	-.0700487	.1222759
st_AR	-.2363673	.0544434	-4.34	0.000	-.3455669	-.1271677
st_AZ	-.4066193	.050427	-8.06	0.000	-.5077631	-.3054756
st_CA	.3312067	.0393449	8.42	0.000	.2522909	.4101225
st_CO	-.5706468	.0478161	-11.93	0.000	-.6665538	-.4747398
st_CT	-.3978735	.0483819	-8.22	0.000	-.4949153	-.3008316
st_DC	-.299756	.0662379	-4.53	0.000	-.4326124	-.1668997
st_DE	-.8487757	.054571	-15.55	0.000	-.9582313	-.7393201
st_FL	-.6219248	.0516794	-12.03	0.000	-.7255806	-.518269
st_GA	-.2390606	.0470356	-5.08	0.000	-.3334021	-.1447191
st_HI	.1693491	.0386703	4.38	0.000	.0917864	.2469118
st_IA	-.8116735	.0547576	-14.82	0.000	-.9215033	-.7018437
st_ID	.0019399	.0482685	0.04	0.968	-.0948744	.0987541
st_IL	-.5287492	.0413463	-12.79	0.000	-.6116794	-.445819
st_IN	-.064486	.0539487	-1.20	0.237	-.1726934	.0437214
st_KS	-.2200702	.0501755	-4.39	0.000	-.3207096	-.1194309
st_KY	-.0303948	.0612978	-0.50	0.622	-.1533426	.092553
st_LA	-.5299424	.0482672	-10.98	0.000	-.6267541	-.4331307
st_MA	-.5755559	.0531393	-10.83	0.000	-.6821398	-.4689721
st_MD	.413134	.0382483	10.80	0.000	.3364176	.4898505
st_ME	.1416445	.0510431	2.77	0.008	.039265	.2440241
st_MI	-.2383394	.052438	-4.55	0.000	-.3435167	-.1331622
st_MN	.0019901	.0443393	0.04	0.964	-.0869434	.0909235
st_MO	-.241231	.053696	-4.49	0.000	-.3489314	-.1335306

st_MS	-.2149332	.0553952	-3.88	0.000	-.326042	-.1038244
st_MT	-.7644728	.0601456	-12.71	0.000	-.8851096	-.6438359
st_NC	-.0714	.0455483	-1.57	0.123	-.1627583	.0199582
st_ND	-1.491459	.0691069	-21.58	0.000	-1.63007	-1.352848
st_NE	-.1699285	.0425777	-3.99	0.000	-.2553285	-.0845286
st_NH	-.231674	.0508538	-4.56	0.000	-.3336738	-.1296743
st_NJ	-.5965708	.0471909	-12.64	0.000	-.6912238	-.5019178
st_NM	-.9145499	.0550207	-16.62	0.000	-1.024907	-.8041923
st_NV	-.6107448	.0467112	-13.07	0.000	-.7044357	-.517054
st_NY	-.5075868	.0485661	-10.45	0.000	-.6049981	-.4101754
st_OH	.0101632	.0438533	0.23	0.818	-.0777953	.0981217
st_OK	-.3759466	.0581475	-6.47	0.000	-.4925757	-.2593175
st_OR	-.660289	.0552177	-11.96	0.000	-.7710417	-.5495363
st_PA	.1624308	.0452122	3.59	0.001	.0717467	.2531149
st_PR	-.1854337	.0649695	-2.85	0.006	-.315746	-.0551215
st_RI	.3695331	.0446543	8.28	0.000	.2799678	.4590983
st_SC	-.3569437	.0631813	-5.65	0.000	-.4836693	-.2302182
st_SD	-2.062163	.0765101	-26.95	0.000	-2.215623	-1.908703
st_TN	-.1806878	.0545069	-3.31	0.002	-.2900147	-.0713609
st_TX	.1909268	.0406438	4.70	0.000	.1094057	.2724478
st_UT	.0711022	.0486573	1.46	0.150	-.0264919	.1686964
st_VA	-.1813532	.0531981	-3.41	0.001	-.288055	-.0746514
st_VT	-.4547257	.0585949	-7.76	0.000	-.5722523	-.3371991
st_WA	.2038701	.0446565	4.57	0.000	.1143006	.2934396
st_WI	-.5265209	.0444293	-11.85	0.000	-.6156347	-.4374071
st_WV	.0727055	.0608465	1.19	0.237	-.0493372	.1947482
st_WY	.1346829	.0486932	2.77	0.008	.0370166	.2323492
pial	.000269	.000139	1.94	0.058	-9.83e-06	.0005479
pia_miss	-.4038738	.1773949	-2.28	0.027	-.7596829	-.0480646
ime1	.0000636	.000047	1.35	0.181	-.0000306	.0001578
ime_miss	-.0796077	.0673095	-1.18	0.242	-.2146136	.0553981
_cons	.6997579	.2375916	2.95	0.005	.2232095	1.176306

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj -
imm28_adj - imm29_adj - imm30_adj = 0

nstw36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0129642	.0220125	0.59	0.558	-.0311873 .0571157

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
imm28_adj + imm29_adj + imm30_adj =
-.0129642

nstw36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-4.86e-17	.0220125	-0.00	1.000	-.0441515 .0441515

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 53) = 1.68
 Prob > F = 0.1174

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj +
 imm28_adj + imm29_adj + imm30_adj = 0

F(1, 53) = 0.35
 Prob > F = 0.5584

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 53) = 1.79
 Prob > F = 0.1094

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(52, 53) = .
 Prob > F = .
 R-squared = 0.2727
 Root MSE = 6.0541

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm21_adj	-.0655843	.052564	-1.25	0.218	-.1710144	.0398457
imm23_adj	.0860667	.0523006	1.65	0.106	-.018835	.1909685
imm24_adj	-.0404313	.047706	-0.85	0.401	-.1361174	.0552547
imm25_adj	-.0316163	.0455683	-0.69	0.491	-.1230148	.0597822
imm26_adj	-.0268477	.0658858	-0.41	0.685	-.1589978	.1053024
imm27_adj	-.0091891	.0497857	-0.18	0.854	-.1090465	.0906684
imm28_adj	.0589271	.0471138	1.25	0.217	-.0355713	.1534255
imm29_adj	-.0258406	.0300054	-0.86	0.393	-.0860237	.0343426
imm30_adj	.0261465	.0526763	0.50	0.622	-.0795087	.1318017
male	.2100771	.0441195	4.76	0.000	.1215846	.2985695
gendermiss_flag	-.9648995	.2723829	-3.54	0.001	-1.51123	-.4185686
tsd_age	-.0406296	.0053425	-7.61	0.000	-.0513453	-.029914
doage2	-.0062867	.0027039	-2.33	0.024	-.01171	-.0008634
doage2miss_flag	14.96009	.7084695	21.12	0.000	13.53908	16.3811
race_a	.1335454	.122424	1.09	0.280	-.112006	.3790969
race_b	.2305096	.0750994	3.07	0.003	.0798793	.38114
race_h	.280011	.0732807	3.82	0.000	.1330286	.4269933
race_i	.1009732	.2122547	0.48	0.636	-.3247558	.5267022
race_o	.5051414	.1769665	2.85	0.006	.1501916	.8600913
race_mis	.3627405	.1630816	2.22	0.030	.0356401	.6898408
tsd_edu_hs	.2080858	.0381401	5.46	0.000	.1315863	.2845853
tsd_edu_mrhs	.5859485	.0659986	8.88	0.000	.4535721	.7183249
tsd_edu_mis	.3832605	.0421743	9.09	0.000	.2986695	.4678515
tsd_mie_exp	.0203006	.1160791	0.17	0.862	-.2125246	.2531259
tsd_mie_mis	-.1222153	.0679171	-1.80	0.078	-.2584397	.0140091
tsd_mie_psbl	-.1432481	.0570652	-2.51	0.015	-.2577064	-.0287898
tsd_medicare	-.2658499	.0516939	-5.14	0.000	-.3695347	-.1621651
tsd_medicare_miss	-.7561701	.1531787	-4.94	0.000	-1.063408	-.4489325

tsd_depend_1	-.2294328	.0425384	-5.39	0.000	-.314754	-.1441117
tsd_depend_2	-.0690103	.0478025	-1.44	0.155	-.1648899	.0268694
tsd_depend_miss	.230714	.1073317	2.15	0.036	.0154338	.4459941
tsd_vrpr	.3362747	.1172323	2.87	0.006	.1011364	.571413
tsd_vrpr_miss	.0560702	.0721567	0.78	0.441	-.0886577	.2007982
pdcgrou2	-.3414906	.0613667	-5.56	0.000	-.4645766	-.2184047
pdcgrou3	.2871215	.061559	4.66	0.000	.1636499	.4105932
pdcgrou4	.0860727	.0449808	1.91	0.061	-.0041475	.1762928
pdcgrou5	-.2605303	.315491	-0.83	0.413	-.8933251	.3722645
cohort2000	.0213606	.1196833	0.18	0.859	-.2186936	.2614148
cohort2001	.1697689	.1332685	1.27	0.208	-.0975338	.4370717
cohort2002	.1212052	.2155649	0.56	0.576	-.3111633	.5535737
cohort2003	.0635613	.2595618	0.24	0.807	-.4570537	.5841764
cohort2004	1.084365	.5114462	2.12	0.039	.0585335	2.110196
award_b4_tsd	-.0794243	.1980547	-0.40	0.690	-.4766717	.3178232
diaward_tsd	-.0184126	.0050439	-3.65	0.001	-.0285294	-.0082958
epeb4twp_flag	-4.112278	1.692206	-2.43	0.019	-7.506413	-.7181424
ldwb4twp_flag	-3.740655	2.12466	-1.76	0.084	-8.002184	.5208745
ldwb4epe_flag	9.127104	1.33167	6.85	0.000	6.456112	11.7981
twpb4tsd	6.352134	.4116001	15.43	0.000	5.526568	7.177699
epeb4tsd	.9486073	.2482193	3.82	0.000	.4507423	1.446472
ldwb4tsd	16.31991	.4568443	35.72	0.000	15.40359	17.23622
st_AL	-.0293287	.059788	-0.49	0.626	-.1492483	.0905909
st_AR	-.2738959	.0711102	-3.85	0.000	-.4165248	-.131267
st_AZ	-.4964945	.0655884	-7.57	0.000	-.6280481	-.3649409
st_CA	.5423581	.0483671	11.21	0.000	.4453459	.6393703
st_CO	-.6384567	.0638739	-10.00	0.000	-.7665715	-.510342
st_CT	-.5132869	.0632485	-8.12	0.000	-.6401473	-.3864265
st_DC	.2094712	.0964064	2.17	0.034	.0161045	.4028379
st_DE	-1.195745	.0660573	-18.10	0.000	-1.328239	-1.063251
st_FL	-.9046585	.0664453	-13.62	0.000	-1.037931	-1.7713861
st_GA	-.3160984	.0560853	-5.64	0.000	-.4285912	-.2036056
st_HI	.3589	.0447309	8.02	0.000	.2691812	.4486189
st_IA	-1.273776	.073723	-17.28	0.000	-1.421646	-1.125907
st_ID	-.0328299	.0649702	-0.51	0.615	-.1631436	.0974839
st_IL	-.5973381	.051341	-11.63	0.000	-.7003151	-.4943611
st_IN	-.116609	.0660194	-1.77	0.083	-.2490271	.015809
st_KS	-.3544221	.0617222	-5.74	0.000	-.4782212	-.230623
st_KY	.0543275	.0788045	0.69	0.494	-.1037343	.2123894
st_LA	-.807458	.0594522	-13.58	0.000	-.926704	-.688212
st_MA	-.6121753	.0684174	-8.95	0.000	-.7494033	-.4749473
st_MD	.5803854	.0464617	12.49	0.000	.4871951	.6735758
st_ME	.1648211	.0675826	2.44	0.018	.0292675	.3003746
st_MI	-.3606413	.0664269	-5.43	0.000	-.4938768	-.2274058
st_MN	.0292347	.0605683	0.48	0.631	-.09225	.1507194
st_MO	-.2686801	.0711105	-3.78	0.000	-.4113098	-.1260505
st_MS	-.1214146	.0698602	-1.74	0.088	-.2615365	.0187073
st_MT	-1.351985	.0823723	-16.41	0.000	-1.517202	-1.186767
st_NC	-.1712992	.057093	-3.00	0.004	-.2858132	-.0567852
st_ND	-2.352131	.091627	-25.67	0.000	-2.535912	-2.168351
st_NE	-.2311803	.055872	-4.14	0.000	-.3432453	-.1191153
st_NH	-.2233033	.0679332	-3.29	0.002	-.35956	-.0870467
st_NJ	-.6535004	.0608235	-10.74	0.000	-.7754969	-.5315039
st_NM	-.937906	.075343	-12.45	0.000	-1.089025	-.786787
st_NV	-1.079776	.0559406	-19.30	0.000	-1.191978	-.967573
st_NY	-.4881896	.0619591	-7.88	0.000	-.6124639	-.3639154
st_OH	-.0088844	.0572089	-0.16	0.877	-.1236309	.105862
st_OK	-.477524	.0790635	-6.04	0.000	-.6361052	-.3189428
st_OR	-.932436	.0745956	-12.50	0.000	-1.082056	-.7828161
st_PA	.2084984	.0577259	3.61	0.001	.092715	.3242818
st_PR	-.3633774	.0894203	-4.06	0.000	-.5427318	-.1840229
st_RI	.5033268	.0578238	8.70	0.000	.387347	.6193066
st_SC	-.5965995	.0781933	-7.63	0.000	-.7534354	-.4397636

st_SD	-2.386172	.1054559	-22.63	0.000	-2.59769	-2.174655
st_TN	-.4118974	.0693438	-5.94	0.000	-.5509834	-.2728114
st_TX	.256721	.0516109	4.97	0.000	.1532027	.3602394
st_UT	.1491517	.0639671	2.33	0.024	.02085	.2774533
st_VA	-.0976636	.065871	-1.48	0.144	-.2297841	.0344568
st_VT	-.4044382	.0783709	-5.16	0.000	-.5616303	-.2472462
st_WA	.3055794	.058306	5.24	0.000	.1886323	.4225265
st_WI	-.5133685	.0575399	-8.92	0.000	-.6287788	-.3979581
st_WV	.0376872	.0794937	0.47	0.637	-.121757	.1971314
st_WY	.065426	.0665792	0.98	0.330	-.068115	.1989669
pial	.0004161	.0001843	2.26	0.028	.0000463	.0007858
pia_miss	-.5407537	.2057421	-2.63	0.011	-.95342	-.1280873
ime1	.0001015	.0000652	1.56	0.125	-.0000293	.0002324
ime_miss	-.2055548	.0886045	-2.32	0.024	-.3832729	-.0278367
_cons	1.973784	.3353489	5.89	0.000	1.30116	2.646409

(1) - imm21_adj - imm23_adj - imm24_adj - imm25_adj - imm26_adj - imm27_adj - imm28_adj - imm29_adj - imm30_adj = 0

nstw48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	.0283689	.0331837	0.85	0.396	-.0381892 .0949271

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj =
-.0283689

nstw48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
(1)	-4.51e-17	.0331837	-0.00	1.000	-.0665581 .0665581

- (1) imm21_adj = 0
- (2) imm23_adj = 0
- (3) imm24_adj = 0
- (4) imm25_adj = 0
- (5) imm26_adj = 0
- (6) imm27_adj = 0
- (7) imm28_adj = 0
- (8) imm29_adj = 0
- (9) imm30_adj = 0

F(9, 53) = 2.37
Prob > F = 0.0246

(1) imm21_adj + imm23_adj + imm24_adj + imm25_adj + imm26_adj + imm27_adj + imm28_adj + imm29_adj + imm30_adj = 0

F(1, 53) = 0.73
Prob > F = 0.3965

- (1) - .5*imm21_adj + 1.5*imm23_adj - imm24_adj = 0
- (2) - .5*imm21_adj + .5*imm23_adj + imm24_adj - imm25_adj = 0
- (3) - .5*imm21_adj + .5*imm23_adj + imm25_adj - imm26_adj = 0
- (4) - .5*imm21_adj + .5*imm23_adj + imm26_adj - imm27_adj = 0
- (5) - .5*imm21_adj + .5*imm23_adj + imm27_adj - imm28_adj = 0
- (6) - .5*imm21_adj + .5*imm23_adj + imm28_adj - imm29_adj = 0
- (7) - .5*imm21_adj + .5*imm23_adj + imm29_adj - imm30_adj = 0

F(7, 53) = 1.95
Prob > F = 0.0800

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelA\L
PM_PH3_nounemp.xls
dir : seeout

. *
.
. capture log close

2. Log File for Linear Probability Models with Continuous IMM (With and Without State Level Unemployment Measures)

```
-----  
-----  
name: <unnamed>  
log: N:\Secure_Data-  
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPM_ModelC.txt  
log type: text  
opened on: 24 Oct 2012, 19:37:42  
  
. . .  
./ *===== *  
> mathematica header  
>  
> project: 08977 TTW Impact Analysis  
> program: BinaryOutcomeOLS.do  
>  
> =====*/  
. .  
. ***local for input path  
. local input "N:\Secure_Data-  
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Data\OutputFolder\LPMRestrict  
edS  
> tata"  
  
. local path "N:\Secure_Data-  
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC"  
  
. . .  
. ***load data  
. use "`input'",clear  
(SAVASTATA created this dataset on 23OCT2012)  
  
. . .  
. ***create interactions  
. foreach v of varlist motoimm motoimmsq motoimmcb {  
2. gen int_`v' = phase2_st*`v'  
3. }  
  
. *  
. . .  
. ***local macro for covariates  
. local unemp /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///  
> doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis  
///  
> tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */  
tsd_mie_mis tsd_mie_psb1 ///  
> tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2  
tsd_depend_miss ///  
> tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///  
> /*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003  
cohort2004 ///  
> award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag  
twpb4tsd epeb4tsd ldwb4tsd ///  
> st_AL-st_TN st_TX-st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss  
ime1 ime_miss
```

```

.
. local nounemp /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
> doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis
///
> tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
> tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
> tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
> /*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003
cohort2004 ///
> award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
> st_AL-st_TN st_TX-st_WY pial pia_miss ime1 ime_miss

```

```

.
. ***local for mail months
. local moto "motoimm"

. local intmoto "int_motoimm"

. *local moto "motoimm motoimmsq motoimmcb"
. *local intmoto "int_motoimm int_motoimmsq int_motoimmcb"
.
. ***new local for macro with covariates
. local enemplist unemp nounemp

```

```

.
. ***new local for macro with dependent variables
. local depen ldwroll12 ldwroll24 ldwroll36 ldwroll48 ///
> eperoll12 eperoll24 eperoll36 eperoll48 ///
> twproll12 twproll24 twproll36 twproll48 ///
> srvroll12 srvroll24 srvroll36 srvroll48 ///
> nstw12 nstw24 nstw36 nstw48

```

```

.
. foreach covar of local enemplist {
2.
.     foreach v of local depen {
3.         ***phase 1 only NY
.         regress `v' `moto' ``covar' if phasel_st_ny == 1, robust
4. /*
>         ***estimate last mail month
>         lincom -(imm1_adj_ny + imm4_adj_ny + imm6_adj_ny + imm7_adj_ny +
imm8_adj_ny)
>
>         local tstat=r(estimate)/r(se)
>         local estimate = r(estimate)
>         local se = r(se)
> */
.         ***F test
.         test motoimm
5.         local joint_F = r(F)
6.         local joint_pvalue = r(p)
7.         /*
>         test (motoimm+motoimmsq+motoimmcb)=0
>         local jointsum_F = r(F)
>         local jointsum_pvalue = r(p)
>         */
.
.         if "`v'" == "ldwroll12" {
8.             cap erase ``path'\LPM_PH1NY_`covar'.xls"
9.             cap erase ``path'\LPM_PH1NY_`covar'.txt"

```



```

10.         } /* close if loop */
11.
.         outreg2 using "`path'\LPM_PH1NY_`covar'.xls'", ///
>         keep( motoimm /*motoimmsq motoimmcb */) nocons  sideways stats(coef se
tstat) ///
>         bdec(4) sdec(3) tdec(2) noparen slow(100) ///
>         addstat(joint_F,`joint_F',joint_pvalue,`joint_pvalue'
/*,jointsum_F,`jointsum_F',jointsum_pvalue,`jointsum_
> pvalue' */)
12.         } /* close loop for events */
13.
.         foreach v of local depen {
14.             ***phase 1 NO NY
.             regress `v' `moto' ``covar'' if phase1_st_nony == 1, vce(cluster
tsd_state)
15. /*
>             ***estimate last mail month
>             lincom -(imm1_adj + imm3_adj + imm4_adj)
>
>             local tstat=r(estimate)/r(se)
>             local estimate = r(estimate)
>             local se = r(se)
> */
.             ***F test
.             test motoimm
16.             local joint_F = r(F)
17.             local joint_pvalue = r(p)
18.             /*
>             test (motoimm+motoimmsq+motoimmcb)=0
>             local jointsum_F = r(F)
>             local jointsum_pvalue = r(p) */
.
.             if "`v'" == "ldwroll12" {
19.                 cap erase "`path'\LPM_PH1NONY_`covar'.xls"
20.                 cap erase "`path'\LPM_PH1NONY_`covar'.txt"
21.             }
22.
.             outreg2 using "`path'\LPM_PH1NONY_`covar'.xls'", ///
>             keep( motoimm /*motoimmsq motoimmcb */) nocons  sideways stats(coef se
tstat) ///
>             bdec(4) sdec(3) tdec(2) noparen slow(100) ///
>             addstat(joint_F,`joint_F',joint_pvalue,`joint_pvalue'
/*,jointsum_F,`jointsum_F',jointsum_pvalue,`jointsum_
> pvalue' */)
23.         } /* close loop for events */
24.
.
.         foreach v of local depen {
25.             ***phase 2
.             regress `v' `moto' ``covar'' if phase2_st == 1, vce(cluster tsd_state)
/*
26.             ***estimate last mail month
>             lincom -
(immm10_adj+immm12_adj+immm13_adj+immm14_adj+immm15_adj+immm16_adj+immm17_adj+immm18_adj+immm1
9_adj)
>
>             local tstat=r(estimate)/r(se)
>             local estimate = r(estimate)
>             local se = r(se)
>
>             */
.             ***F test
.             test motoimm
27.             local joint_F = r(F)

```

```

28.         local joint_pvalue = r(p)
29.         /*
>         test (motoimm+motoimmsq+motoimmcb)=0
>         local jointsum_F = r(F)
>         local jointsum_pvalue = r(p) */
.
.         if "`v'" == "ldwroll12" {
30.             cap erase `"'path'\LPM_PH2_`covar'.xls"'
31.             cap erase `"'path'\LPM_PH2_`covar'.txt"'
32.         }
33.
.         outreg2 using `"'path'\LPM_PH2_`covar'.xls"', ///
>         keep( motoimm /*motoimmsq motoimmcb */) ///
>         nocons   sideways stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen
slow(100) ///
>         addstat(joint_F,`joint_F',joint_pvalue,`joint_pvalue'
/*,jointsum_F,`jointsum_F',jointsum_pvalue,`jointsum_
> pvalue'*/)
34.         } /* close loop for events */
35.
.
.         foreach v of local depen {
36.             ***phase 3
.             regress `v' `moto' ``covar'' if phase3_st == 1, vce(cluster tsd_state)
37. /*
>             ***estimate last mail month
>             lincom -
(immm21_adj+immm23_adj+immm24_adj+immm25_adj+immm26_adj+immm27_adj+immm28_adj+immm29_adj+immm3
0_adj)
>
>             local tstat=r(estimate)/r(se)
>             local estimate = r(estimate)
>             local se = r(se)
> */
.             *** F test
.             test motoimm
38.                 local joint_F = r(F)
39.                 local joint_pvalue = r(p)
40.                 /*
>                 test (motoimm+motoimmsq+motoimmcb)=0
>                 local jointsum_F = r(F)
>                 local jointsum_pvalue = r(p) */
.
.                 if "`v'" == "ldwroll12" {
41.                     cap erase `"'path'\LPM_PH3_`covar'.xls"'
42.                     cap erase `"'path'\LPM_PH3_`covar'.txt"'
43.                 }
44.
.                 outreg2 using `"'path'\LPM_PH3_`covar'.xls"', ///
>                 keep( motoimm /*motoimmsq motoimmcb */) ///
>                 nocons   sideways stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen
slow(100) ///
>                 addstat(joint_F,`joint_F',joint_pvalue,`joint_pvalue'
/*,jointsum_F,`jointsum_F',jointsum_pvalue,`jointsum_
> pvalue' */)
45.                 } /* close loop for events */
46.                 *
.
.             foreach v of local depen {
47.                 ***phase 2 & phase 3
.                 regress `v' `moto' ``covar'' phase2_st if phase3_st == 1 | phase2_st ==
1, vce(cluster tsd_state)
48.

```

```

.      *** F test
.      test motoimm
49.          local joint_F = r(F)
50.          local joint_pvalue = r(p)
51.          /*
>      test (motoimm+motoimmsq+motoimmb)=0
>      local jointsum_F = r(F)
>      local jointsum_pvalue = r(p) */
.
.      if "`v'" == "ldwroll12" {
52.          cap erase ``path'\LPM_PH2_PH3_`covar'.xls"
53.          cap erase ``path'\LPM_PH2_PH3_`covar'.txt"
54.      }
55.
.      outreg2 using ``path'\LPM_PH2_PH3_`covar'.xls", ///
>      keep( motoimm motoimmsq motoimmb phase2_st) ///
>      nocons  sideways stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen
slow(100) ///
>      addstat(joint_F,`joint_F',joint_pvalue,`joint_pvalue'
/*,jointsum_F,`jointsum_F',jointsum_pvalue,`jointsum_
> pvalue'*/)
56.      } /* close loop for events */
57.
. foreach v of local depen {
58.      ***phase 2 & phase 3 with interaction
.      regress `v' `moto' `intmoto' ``covar'' phase2_st if phase3_st == 1 |
phase2_st == 1, vce(cluster tsd_state)
59.
.      *** F test
.      test motoimm
60.          local joint_F = r(F)
61.          local joint_pvalue = r(p)
62.          /*
>      test (motoimm+motoimmsq+motoimmb)=0
>      local jointsum_F = r(F)
>      local jointsum_pvalue = r(p) */
.
.      if "`v'" == "ldwroll12" {
63.          cap erase ``path'\LPM_PH2_PH3_interact_`covar'.xls"
64.          cap erase ``path'\LPM_PH2_PH3_interact_`covar'.txt"
65.      }
66.
.      outreg2 using ``path'\LPM_PH2_PH3_interact_`covar'.xls", ///
>      keep( motoimm motoimmsq motoimmb phase2_st int_motoimm int_motoimmsq
int_motoimmb) ///
>      nocons  sideways stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen
slow(100) ///
>      addstat(joint_F,`joint_F',joint_pvalue,`joint_pvalue'
/*,jointsum_F,`jointsum_F',jointsum_pvalue,`jointsum_
> pvalue'*/)
67.      } /* close loop for events */
68.
.
.
. } /* close unemployment loop */
note: gendermiss_flag omitted because of collinearity
note: doage2miss_flag omitted because of collinearity
note: st_AL omitted because of collinearity
note: st_AR omitted because of collinearity
note: st_AZ omitted because of collinearity
note: st_CA omitted because of collinearity
note: st_CO omitted because of collinearity
note: st_CT omitted because of collinearity

```

note: st_DC omitted because of collinearity
 note: st_DE omitted because of collinearity
 note: st_FL omitted because of collinearity
 note: st_GA omitted because of collinearity
 note: st_HI omitted because of collinearity
 note: st_IA omitted because of collinearity
 note: st_ID omitted because of collinearity
 note: st_IL omitted because of collinearity
 note: st_IN omitted because of collinearity
 note: st_KS omitted because of collinearity
 note: st_KY omitted because of collinearity
 note: st_LA omitted because of collinearity
 note: st_MA omitted because of collinearity
 note: st_MD omitted because of collinearity
 note: st_ME omitted because of collinearity
 note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(46, 11976) = 7.35
 Prob > F = 0.0000
 R-squared = 0.1595
 Root MSE = .13386

ldwroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0013126	.0010401	1.26	0.207	-.0007262	.0033513
male	.0051564	.002555	2.02	0.044	.0001483	.0101645
gendermiss_flag	0	(omitted)				
tsd_age	-.0009283	.0003133	-2.96	0.003	-.0015425	-.0003141
doage2	-.0001106	.0002811	-0.39	0.694	-.0006616	.0004403
doage2miss_flag	0	(omitted)				
race_a	.0063413	.0104257	0.61	0.543	-.0140948	.0267775

race_b	.0083014	.003572	2.32	0.020	.0012998	.015303
race_h	.0140019	.0049408	2.83	0.005	.0043171	.0236868
race_i	.0406555	.0392297	1.04	0.300	-.0362409	.117552
race_o	.0007692	.007191	0.11	0.915	-.0133264	.0148648
race_mis	.0111734	.007805	1.43	0.152	-.0041257	.0264725
tsd_edu_hs	.0068692	.003455	1.99	0.047	.0000968	.0136416
tsd_edu_mrhs	.0152082	.0042223	3.60	0.000	.0069318	.0234846
tsd_edu_mis	.0055334	.0037502	1.48	0.140	-.0018176	.0128845
tsd_mie_exp	.002838	.0088237	0.32	0.748	-.014458	.0201339
tsd_mie_mis	.0001507	.0041334	0.04	0.971	-.0079516	.0082529
tsd_mie_psbl	-.0025247	.0042361	-0.60	0.551	-.0108281	.0057787
tsd_medicare	-.0022831	.0036735	-0.62	0.534	-.0094837	.0049176
tsd_medicare_miss	-.0215066	.005947	-3.62	0.000	-.0331638	-.0098495
tsd_depend_1	-.0076392	.0037312	-2.05	0.041	-.0149529	-.0003254
tsd_depend_2	-.0042587	.0030793	-1.38	0.167	-.0102946	.0017772
tsd_depend_miss	.0025753	.0072579	0.35	0.723	-.0116513	.016802
tsd_vrpr	.0181045	.0050144	3.61	0.000	.0082753	.0279336
tsd_vrpr_miss	.0193304	.003983	4.85	0.000	.011523	.0271378
pdcgrou2	-.005164	.0050208	-1.03	0.304	-.0150056	.0046776
pdcgrou3	.001795	.0045753	0.39	0.695	-.0071734	.0107634
pdcgrou4	.0056309	.0044752	1.26	0.208	-.0031413	.014403
pdcgrou5	-.0033292	.0060188	-0.55	0.580	-.015127	.0084686
cohort2000	.0008574	.0053961	0.16	0.874	-.0097198	.0114347
cohort2001	.0056409	.0100195	0.56	0.573	-.013999	.0252808
cohort2002	-.003544	.0140163	-0.25	0.800	-.0310183	.0239303
cohort2003	.0095109	.0161189	0.59	0.555	-.0220847	.0411065
cohort2004	.0119302	.0158767	0.75	0.452	-.0191908	.0430512
award_b4_tsd	-.0006383	.0077344	-0.08	0.934	-.015799	.0145224
diaward_tsd	-.0003282	.0004496	-0.73	0.465	-.0012096	.0005531
epeb4twp_flag	-.1531654	.0240529	-6.37	0.000	-.200313	-.1060178
ldwb4twp_flag	-.0643745	.0461738	-1.39	0.163	-.1548827	.0261336
ldwb4epe_flag	.1238726	.090869	1.36	0.173	-.0542454	.3019906
twpb4tsd	.2234262	.0174281	12.82	0.000	.1892644	.2575881
epeb4tsd	.1250053	.0225546	5.54	0.000	.0807947	.1692159
ldwb4tsd	-.174898	.0177967	-9.83	0.000	-.2097823	-.1400136
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				

st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				
st_WY	0	(omitted)				
tsd_unemp_mean	.0597528	.0538699	1.11	0.267	-.045841	.1653465
tsd_unemp_cng	-.0050939	.0080639	-0.63	0.528	-.0209005	.0107127
pial	-.0000203	.0000142	-1.43	0.152	-.0000481	7.46e-06
pia_miss	-.0354158	.013336	-2.66	0.008	-.0615565	-.009275
ime1	5.63e-06	4.31e-06	1.31	0.191	-2.82e-06	.0000141
ime_miss	.0126181	.0083817	1.51	0.132	-.0038114	.0290476
_cons	-.34985	.3370316	-1.04	0.299	-1.010487	.3107867

(1) motoimm = 0

F(1, 11976) = 1.59
 Prob > F = 0.2070

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_unemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity

note: st_HI omitted because of collinearity

note: st_IA omitted because of collinearity

note: st_ID omitted because of collinearity

note: st_IL omitted because of collinearity

note: st_IN omitted because of collinearity

note: st_KS omitted because of collinearity

note: st_KY omitted because of collinearity

note: st_LA omitted because of collinearity

note: st_MA omitted because of collinearity

note: st_MD omitted because of collinearity

note: st_ME omitted because of collinearity

note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(45, 11976) = .
 Prob > F = .
 R-squared = 0.1385
 Root MSE = .19004

ldwroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0000827	.001466	-0.06	0.955	-.0029563	.0027908
male	.0092306	.0035725	2.58	0.010	.0022281	.0162332
gendermiss_flag	0	(omitted)				
tsd_age	-.0017728	.0004123	-4.30	0.000	-.002581	-.0009647
doage2	.000072	.0003605	0.20	0.842	-.0006345	.0007786
doage2miss_flag	0	(omitted)				
race_a	.0085759	.0141486	0.61	0.544	-.0191577	.0363094
race_b	.0196374	.0050758	3.87	0.000	.0096881	.0295868
race_h	.0263246	.0070754	3.72	0.000	.0124556	.0401936
race_i	.0247613	.0401675	0.62	0.538	-.0539735	.1034961
race_o	.0077977	.0134173	0.58	0.561	-.0185025	.0340978
race_mis	.0063697	.0091375	0.70	0.486	-.0115413	.0242807
tsd_edu_hs	.0111669	.004963	2.25	0.024	.0014386	.0208951
tsd_edu_mrhs	.032189	.0060997	5.28	0.000	.0202327	.0441453
tsd_edu_mis	.0111188	.0051681	2.15	0.031	.0009884	.0212491
tsd_mie_exp	.0005576	.0116669	0.05	0.962	-.0223114	.0234266
tsd_mie_mis	.0002605	.005825	0.04	0.964	-.0111575	.0116786
tsd_mie_psbl	-.0033085	.0057637	-0.57	0.566	-.0146063	.0079894
tsd_medicare	-.0059406	.0048404	-1.23	0.220	-.0154286	.0035475
tsd_medicare_miss	-.0432148	.0080643	-5.36	0.000	-.0590222	-.0274074
tsd_depend_1	-.0201192	.0052427	-3.84	0.000	-.0303957	-.0098427
tsd_depend_2	-.0152451	.0044759	-3.41	0.001	-.0240187	-.0064716

tsd_depend_miss	-.002069	.0110439	-0.19	0.851	-.0237168	.0195788
tsd_vrpr	.027007	.0080112	3.37	0.001	.0113036	.0427103
tsd_vrpr_miss	.0186266	.0067173	2.77	0.006	.0054597	.0317935
pdcgrou2	-.0123791	.0072832	-1.70	0.089	-.0266553	.0018971
pdcgrou3	-.0024391	.0069115	-0.35	0.724	-.0159868	.0111087
pdcgrou4	.0014108	.0065167	0.22	0.829	-.0113629	.0141846
pdcgrou5	-.0195007	.0105414	-1.85	0.064	-.0401636	.0011621
cohort2000	-.0039004	.0072334	-0.54	0.590	-.018079	.0102781
cohort2001	-.0011051	.0133586	-0.08	0.934	-.0272902	.0250799
cohort2002	-.0131563	.0197601	-0.67	0.506	-.0518894	.0255767
cohort2003	-.0120498	.0249466	-0.48	0.629	-.0609492	.0368495
cohort2004	-.02423	.0233591	-1.04	0.300	-.0700177	.0215577
award_b4_tsd	.031599	.0148449	2.13	0.033	.0025006	.0606975
diaward_tsd	-.0007532	.000596	-1.26	0.206	-.0019216	.0004151
epeb4twp_flag	-.1829964	.0261183	-7.01	0.000	-.2341925	-.1318002
ldwb4twp_flag	.148712	.3530303	0.42	0.674	-.5432847	.8407086
ldwb4epe_flag	.3812667	.120613	3.16	0.002	.1448456	.6176878
twpb4tsd	.282165	.0189806	14.87	0.000	.2449599	.3193701
epeb4tsd	.1152036	.0236929	4.86	0.000	.0687616	.1616455
ldwb4tsd	-.2171036	.0195078	-11.13	0.000	-.255342	-.1788653
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				

st_TX		0	(omitted)				
st_UT		0	(omitted)				
st_VA		0	(omitted)				
st_VT		0	(omitted)				
st_WA		0	(omitted)				
st_WI		0	(omitted)				
st_WV		0	(omitted)				
st_WY		0	(omitted)				
tsd_unemp_mean		.0014929	.0747077	0.02	0.984	-.1449462	.147932
tsd_unemp_cng		.0044474	.0116025	0.38	0.701	-.0182954	.0271902
pial		-9.74e-06	.000017	-0.57	0.567	-.0000431	.0000236
pia_miss		-.0414669	.0172303	-2.41	0.016	-.0752411	-.0076927
ime1		2.53e-06	5.10e-06	0.50	0.620	-7.47e-06	.0000125
ime_miss		-.0014128	.010282	-0.14	0.891	-.0215673	.0187416
_cons		.0700751	.4669496	0.15	0.881	-.8452219	.985372

(1) motoimm = 0

F(1, 11976) = 0.00
 Prob > F = 0.9550

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_unemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity
 note: st_AL omitted because of collinearity
 note: st_AR omitted because of collinearity
 note: st_AZ omitted because of collinearity
 note: st_CA omitted because of collinearity
 note: st_CO omitted because of collinearity
 note: st_CT omitted because of collinearity
 note: st_DC omitted because of collinearity
 note: st_DE omitted because of collinearity
 note: st_FL omitted because of collinearity
 note: st_GA omitted because of collinearity
 note: st_HI omitted because of collinearity
 note: st_IA omitted because of collinearity
 note: st_ID omitted because of collinearity
 note: st_IL omitted because of collinearity
 note: st_IN omitted because of collinearity
 note: st_KS omitted because of collinearity
 note: st_KY omitted because of collinearity
 note: st_LA omitted because of collinearity
 note: st_MA omitted because of collinearity
 note: st_MD omitted because of collinearity
 note: st_ME omitted because of collinearity
 note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity

note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(45, 11976) = .
 Prob > F = .
 R-squared = 0.1380
 Root MSE = .22734

ldwroll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0003956	.0017862	0.22	0.825	-.0031057	.0038969
male	.0113371	.0043088	2.63	0.009	.0028912	.0197829
gendermiss_flag	0	(omitted)				
tsd_age	-.0028906	.0004928	-5.87	0.000	-.0038565	-.0019247
doage2	-.0004525	.0004278	-1.06	0.290	-.0012911	.0003862
doage2miss_flag	0	(omitted)				
race_a	.0088636	.0168977	0.52	0.600	-.0242586	.0419858
race_b	.0300022	.0061298	4.89	0.000	.0179869	.0420176
race_h	.0309671	.0082171	3.77	0.000	.0148602	.047074
race_i	.0909141	.0549449	1.65	0.098	-.0167869	.1986151
race_o	.0178027	.0174862	1.02	0.309	-.016473	.0520785
race_miss	.0199083	.0122296	1.63	0.104	-.0040636	.0438803
tsd_edu_hs	.0208291	.0059979	3.47	0.001	.0090722	.032586
tsd_edu_mrhs	.0449944	.0073091	6.16	0.000	.0306675	.0593213
tsd_edu_mis	.0197142	.0061629	3.20	0.001	.0076339	.0317945
tsd_mie_exp	-.0041043	.0136311	-0.30	0.763	-.0308235	.0226149
tsd_mie_mis	.0027623	.0067808	0.41	0.684	-.0105291	.0160538
tsd_mie_psbl	-.0014013	.0066622	-0.21	0.833	-.0144604	.0116577
tsd_medicare	-.0124102	.0057626	-2.15	0.031	-.0237059	-.0011146
tsd_medicare_miss	-.0578294	.0096601	-5.99	0.000	-.0767648	-.0388941
tsd_depend_1	-.0218804	.0064579	-3.39	0.001	-.034539	-.0092218
tsd_depend_2	-.0170395	.0054566	-3.12	0.002	-.0277353	-.0063436
tsd_depend_miss	-.0139087	.0130916	-1.06	0.288	-.0395703	.0117529
tsd_vrpr	.0327431	.0100922	3.24	0.001	.0129608	.0525254
tsd_vrpr_miss	.0173563	.0087201	1.99	0.047	.0002635	.0344492
pdcgrou2	-.0206436	.0087731	-2.35	0.019	-.0378404	-.0034468
pdcgrou3	-.0040929	.0085768	-0.48	0.633	-.0209047	.012719
pdcgrou4	-.0045595	.0079442	-0.57	0.566	-.0201315	.0110125
pdcgrou5	-.0315324	.0148791	-2.12	0.034	-.0606977	-.002367
cohort2000	-.005327	.0085524	-0.62	0.533	-.0220912	.0114372
cohort2001	-.0129701	.0156569	-0.83	0.407	-.0436602	.01772
cohort2002	-.0127878	.0244843	-0.52	0.601	-.0607809	.0352054
cohort2003	-.0213718	.0301407	-0.71	0.478	-.0804526	.0377089
cohort2004	-.0112996	.0316045	-0.36	0.721	-.0732495	.0506503
award_b4_tsd	.0371297	.0192635	1.93	0.054	-.00063	.0748893
diaward_tsd	-.0012603	.0007047	-1.79	0.074	-.0026415	.000121
epeb4twp_flag	-.2127011	.0271698	-7.83	0.000	-.2659583	-.1594438

ldwb4twp_flag	.4310592	.2574097	1.67	0.094	-.0735055	.935624
ldwb4epe_flag	.4561566	.1153595	3.95	0.000	.2300333	.68228
twpb4tsd	.3230981	.0196132	16.47	0.000	.284653	.3615431
epeb4tsd	.0960191	.0239871	4.00	0.000	.0490005	.1430378
ldwb4tsd	-.2463584	.0202747	-12.15	0.000	-.2861	-.2066167
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				
st_WY	0	(omitted)				
tsd_unemp_mean	.1305717	.0916293	1.42	0.154	-.0490366	.3101801
tsd_unemp_cng	-.0076751	.0146846	-0.52	0.601	-.0364593	.021109
pia1	-1.85e-06	.0000199	-0.09	0.926	-.0000409	.0000372
pia_miss	-.0542092	.019509	-2.78	0.005	-.0924499	-.0159685
ime1	-1.87e-06	5.91e-06	-0.32	0.752	-.0000135	9.72e-06
ime_miss	-.0171939	.0113863	-1.51	0.131	-.0395129	.0051251
_cons	-.6417343	.5721849	-1.12	0.262	-1.763309	.4798409

(1) motoimm = 0

F(1, 11976) = 0.05
Prob > F = 0.8247

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
PM_PH1NY_unemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity

note: st_HI omitted because of collinearity

note: st_IA omitted because of collinearity

note: st_ID omitted because of collinearity

note: st_IL omitted because of collinearity

note: st_IN omitted because of collinearity

note: st_KS omitted because of collinearity

note: st_KY omitted because of collinearity

note: st_LA omitted because of collinearity

note: st_MA omitted because of collinearity

note: st_MD omitted because of collinearity

note: st_ME omitted because of collinearity

note: st_MI omitted because of collinearity

note: st_MN omitted because of collinearity

note: st_MO omitted because of collinearity

note: st_MS omitted because of collinearity

note: st_MT omitted because of collinearity

note: st_NC omitted because of collinearity

note: st_ND omitted because of collinearity

note: st_NE omitted because of collinearity

note: st_NH omitted because of collinearity

note: st_NJ omitted because of collinearity

note: st_NM omitted because of collinearity

note: st_NV omitted because of collinearity

note: st_NY omitted because of collinearity

note: st_OH omitted because of collinearity

note: st_OK omitted because of collinearity

note: st_OR omitted because of collinearity

note: st_PA omitted because of collinearity

note: st_PR omitted because of collinearity

note: st_RI omitted because of collinearity

note: st_SC omitted because of collinearity

note: st_SD omitted because of collinearity

note: st_TN omitted because of collinearity

note: st_TX omitted because of collinearity

note: st_UT omitted because of collinearity

note: st_VA omitted because of collinearity

note: st_VT omitted because of collinearity

note: st_WA omitted because of collinearity

note: st_WI omitted because of collinearity

note: st_WV omitted because of collinearity

note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(45, 11976) = .
 Prob > F = .
 R-squared = 0.1287
 Root MSE = .25567

ldwroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.001035	.001964	0.53	0.598	-.0028147	.0048847
male	.0158684	.0048359	3.28	0.001	.0063893	.0253475
gendermiss_flag	0	(omitted)				
tsd_age	-.0036488	.0005455	-6.69	0.000	-.004718	-.0025796
doage2	-.0003234	.000459	-0.70	0.481	-.0012231	.0005763
doage2miss_flag	0	(omitted)				
race_a	.0150355	.0193019	0.78	0.436	-.0227994	.0528705
race_b	.0416824	.0069949	5.96	0.000	.0279712	.0553936
race_h	.0300519	.0089888	3.34	0.001	.0124325	.0476713
race_i	.1032164	.0595918	1.73	0.083	-.0135931	.2200259
race_o	.023312	.0200412	1.16	0.245	-.015972	.062596
race_mis	.0204218	.0133595	1.53	0.126	-.005765	.0466086
tsd_edu_hs	.0251764	.0068873	3.66	0.000	.0116761	.0386767
tsd_edu_mrhs	.0567673	.0083174	6.83	0.000	.0404638	.0730709
tsd_edu_mis	.0231668	.0069527	3.33	0.001	.0095383	.0367953
tsd_mie_exp	.0092719	.0157126	0.59	0.555	-.0215274	.0400712
tsd_mie_mis	.0019676	.0075295	0.26	0.794	-.0127915	.0167266
tsd_mie_psbl	.0023499	.0073124	0.32	0.748	-.0119836	.0166834
tsd_medicare	-.0112905	.0063552	-1.78	0.076	-.0237478	.0011667
tsd_medicare_miss	-.0580272	.0159147	-3.65	0.000	-.0892226	-.0268317
tsd_depend_1	-.0223694	.0073013	-3.06	0.002	-.036681	-.0080577
tsd_depend_2	-.0164052	.0061673	-2.66	0.008	-.0284941	-.0043163
tsd_depend_miss	-.0107102	.0154566	-0.69	0.488	-.0410077	.0195873
tsd_vrpr	.0271227	.0119615	2.27	0.023	.0036762	.0505692
tsd_vrpr_miss	.0011292	.0105479	0.11	0.915	-.0195464	.0218048
pdcgrou2	-.035775	.0099921	-3.58	0.000	-.0553611	-.0161889
pdcgrou3	-.0131536	.0098329	-1.34	0.181	-.0324277	.0061205
pdcgrou4	-.0179508	.0090787	-1.98	0.048	-.0357466	-.000155
pdcgrou5	-.0508787	.0181514	-2.80	0.005	-.0864584	-.015299
cohort2000	-.0022236	.009589	-0.23	0.817	-.0210196	.0165724
cohort2001	-.0076198	.0174047	-0.44	0.662	-.0417359	.0264964
cohort2002	-.0019306	.0273053	-0.07	0.944	-.0554534	.0515922
cohort2003	-.028617	.0360118	-0.79	0.427	-.0992061	.041972
cohort2004	.0088821	.0392079	0.23	0.821	-.0679717	.0857359
award_b4_tsd	.0454824	.021444	2.12	0.034	.0034487	.087516
diaward_tsd	-.000985	.000781	-1.26	0.207	-.002516	.0005459
epeb4twp_flag	-.2310135	.0278845	-8.28	0.000	-.2856716	-.1763554
ldwb4twp_flag	.3713173	.2549648	1.46	0.145	-.128455	.8710896
ldwb4epe_flag	.5617193	.110498	5.08	0.000	.3451253	.7783133
twpb4tsd	.3284349	.0198485	16.55	0.000	.2895286	.3673412
epeb4tsd	.0726469	.0241283	3.01	0.003	.0253514	.1199423
ldwb4tsd	-.2579037	.0203702	-12.66	0.000	-.2978326	-.2179749
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				

st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				
st_WY	0	(omitted)				
tsd_unemp_mean	.1228475	.1030866	1.19	0.233	-.079219	.324914
tsd_unemp_cng	-.0179115	.0163037	-1.10	0.272	-.0498694	.0140463
pial	-4.41e-06	.000022	-0.20	0.841	-.0000475	.0000387
pia_miss	-.0621181	.0221809	-2.80	0.005	-.1055962	-.0186399
ime1	-6.46e-06	6.45e-06	-1.00	0.317	-.0000191	6.18e-06
ime_miss	-.0369047	.0124587	-2.96	0.003	-.0613257	-.0124836
_cons	-.5417313	.643923	-0.84	0.400	-1.803925	.7204622

(1) motoimm = 0

F(1, 11976) = 0.28
 Prob > F = 0.5982

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_unemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity
 note: st_CO omitted because of collinearity
 note: st_CT omitted because of collinearity
 note: st_DC omitted because of collinearity
 note: st_DE omitted because of collinearity
 note: st_FL omitted because of collinearity
 note: st_GA omitted because of collinearity
 note: st_HI omitted because of collinearity
 note: st_IA omitted because of collinearity
 note: st_ID omitted because of collinearity
 note: st_IL omitted because of collinearity
 note: st_IN omitted because of collinearity
 note: st_KS omitted because of collinearity
 note: st_KY omitted because of collinearity
 note: st_LA omitted because of collinearity
 note: st_MA omitted because of collinearity
 note: st_MD omitted because of collinearity
 note: st_ME omitted because of collinearity
 note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(45, 11976) = .
 Prob > F = .
 R-squared = 0.1498
 Root MSE = .14504

eperoll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0011526	.0011328	1.02	0.309	-.0010679	.0033731
male	.0043291	.0027323	1.58	0.113	-.0010266	.0096848
gendermiss_flag	0	(omitted)				
tsd_age	-.000874	.0003262	-2.68	0.007	-.0015135	-.0002345

doage2	-.0001955	.0002906	-0.67	0.501	-.0007651	.0003742
doage2miss_flag	0	(omitted)				
race_a	-.0024535	.0094488	-0.26	0.795	-.0209747	.0160676
race_b	.0060322	.0039205	1.54	0.124	-.0016527	.013717
race_h	-.0002048	.0045873	-0.04	0.964	-.0091966	.008787
race_i	.0387155	.0340793	1.14	0.256	-.0280854	.1055164
race_o	.0065614	.0109865	0.60	0.550	-.0149738	.0280967
race_mis	.0070342	.0077221	0.91	0.362	-.0081024	.0221707
tsd_edu_hs	.0048351	.0039755	1.22	0.224	-.0029575	.0126278
tsd_edu_mrhs	.0097422	.0046535	2.09	0.036	.0006205	.0188638
tsd_edu_mis	.010556	.004211	2.51	0.012	.0023017	.0188103
tsd_mie_exp	-.0063637	.0088404	-0.72	0.472	-.0236923	.010965
tsd_mie_mis	-.0038461	.0045902	-0.84	0.402	-.0128437	.0051515
tsd_mie_psbl	-.0076679	.0046071	-1.66	0.096	-.0166984	.0013627
tsd_medicare	-.0110403	.0035603	-3.10	0.002	-.018019	-.0040616
tsd_medicare_miss	-.0153839	.0102246	-1.50	0.132	-.0354258	.0046579
tsd_depend_1	-.0081962	.0039661	-2.07	0.039	-.0159704	-.000422
tsd_depend_2	-.0073228	.0032715	-2.24	0.025	-.0137355	-.0009101
tsd_depend_miss	-.032416	.0127164	-2.55	0.011	-.0573423	-.0074897
tsd_vrpr	.0173931	.0063874	2.72	0.006	.0048727	.0299136
tsd_vrpr_miss	.0093125	.0053374	1.74	0.081	-.0011497	.0197748
pdcgrou2	.0016185	.0057746	0.28	0.779	-.0097007	.0129377
pdcgrou3	-.0054343	.0052437	-1.04	0.300	-.0157127	.0048441
pdcgrou4	-.0028209	.0050782	-0.56	0.579	-.012775	.0071331
pdcgrou5	-.0047402	.0075572	-0.63	0.531	-.0195536	.0100732
cohort2000	-.0057442	.0054337	-1.06	0.290	-.0163952	.0049068
cohort2001	-.0018552	.010009	-0.19	0.853	-.0214745	.0177641
cohort2002	-.012837	.014735	-0.87	0.384	-.0417199	.0160459
cohort2003	-.0316822	.0194416	-1.63	0.103	-.0697909	.0064265
cohort2004	-.0333649	.0194435	-1.72	0.086	-.0714773	.0047474
award_b4_tsd	.0180188	.0112808	1.60	0.110	-.0040934	.0401309
diaward_tsd	-.0004457	.0004401	-1.01	0.311	-.0013083	.000417
epeb4twp_flag	.0726509	.0116017	6.26	0.000	.0499097	.0953921
ldwb4twp_flag	-.1401547	.0582958	-2.40	0.016	-.2544239	-.0258855
ldwb4epe_flag	.1172719	.0871959	1.34	0.179	-.0536461	.2881899
twpb4tsd	.265476	.0182576	14.54	0.000	.2296882	.3012638
epeb4tsd	-.1023283	.0094746	-10.80	0.000	-.1209	-.0837565
ldwb4tsd	-.0523059	.0105261	-4.97	0.000	-.0729388	-.031673
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				

st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				
st_WY	0	(omitted)				
tsd_unemp_mean	.0654455	.0579579	1.13	0.259	-.0481613	.1790523
tsd_unemp_cng	-.0051008	.008983	-0.57	0.570	-.022709	.0125073
pial	6.93e-08	.000011	0.01	0.995	-.0000215	.0000216
pia_miss	-.001904	.0151669	-0.13	0.900	-.0316337	.0278256
ime1	-2.10e-06	3.12e-06	-0.67	0.500	-8.22e-06	4.01e-06
ime_miss	-.0062869	.0067465	-0.93	0.351	-.0195111	.0069373
_cons	-.3453842	.3623756	-0.95	0.341	-1.055699	.3649308

(1) motoimm = 0

F(1, 11976) = 1.04
 Prob > F = 0.3089

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_unemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity

note: st_HI omitted because of collinearity

note: st_IA omitted because of collinearity

note: st_ID omitted because of collinearity

note: st_IL omitted because of collinearity

note: st_IN omitted because of collinearity

note: st_KS omitted because of collinearity

note: st_KY omitted because of collinearity

note: st_LA omitted because of collinearity

note: st_MA omitted because of collinearity
 note: st_MD omitted because of collinearity
 note: st_ME omitted because of collinearity
 note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(46, 11976) = 17.58
 Prob > F = 0.0000
 R-squared = 0.1418
 Root MSE = .20228

eperoll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0007016	.0015634	0.45	0.654	-.0023629	.0037661
male	.0055987	.0037938	1.48	0.140	-.0018377	.0130352
gendermiss_flag	0	(omitted)				
tsd_age	-.0015706	.0004379	-3.59	0.000	-.0024291	-.0007122
doage2	-.0000218	.0003853	-0.06	0.955	-.000777	.0007334
doage2miss_flag	0	(omitted)				
race_a	-.0133018	.0122973	-1.08	0.279	-.0374066	.010803
race_b	.0154695	.0054454	2.84	0.005	.0047956	.0261434
race_h	.0026181	.0066232	0.40	0.693	-.0103644	.0156005
race_i	.0449666	.0421492	1.07	0.286	-.0376526	.1275858
race_o	.0173409	.0158791	1.09	0.275	-.0137846	.0484664
race_mis	.0109571	.0108835	1.01	0.314	-.0103764	.0322905
tsd_edu_hs	.0059477	.0054937	1.08	0.279	-.0048209	.0167163
tsd_edu_mrhs	.0267586	.0066805	4.01	0.000	.0136637	.0398536
tsd_edu_mis	.0156064	.005672	2.75	0.006	.0044884	.0267244
tsd_mie_exp	-.006308	.0123133	-0.51	0.608	-.0304441	.017828
tsd_mie_mis	-.0020517	.0063166	-0.32	0.745	-.0144332	.0103299
tsd_mie_psbl	-.0101265	.0061777	-1.64	0.101	-.0222357	.0019827
tsd_medicare	-.0187884	.0050458	-3.72	0.000	-.028679	-.0088979

tsd_medicare_miss	-.0281087	.0159746	-1.76	0.079	-.0594215	.0032042
tsd_depend_1	-.0075167	.005736	-1.31	0.190	-.0187601	.0037267
tsd_depend_2	-.0059549	.0047941	-1.24	0.214	-.0153521	.0034422
tsd_depend_miss	-.0648561	.0185245	-3.50	0.000	-.1011671	-.0285452
tsd_vrpr	.0317253	.0091465	3.47	0.001	.0137967	.0496538
tsd_vrpr_miss	.0080508	.0077874	1.03	0.301	-.0072139	.0233154
pdcgroup2	.0034576	.0077423	0.45	0.655	-.0117184	.0186337
pdcgroup3	-.0065277	.0072735	-0.90	0.369	-.020785	.0077296
pdcgroup4	-.0039497	.0067991	-0.58	0.561	-.017277	.0093776
pdcgroup5	-.0173285	.0132088	-1.31	0.190	-.04322	.0085629
cohort2000	-.0111989	.0072827	-1.54	0.124	-.0254742	.0030763
cohort2001	-.0103225	.0136227	-0.76	0.449	-.0370253	.0163802
cohort2002	-.0135933	.0214895	-0.63	0.527	-.0557163	.0285296
cohort2003	-.0527012	.0309177	-1.70	0.088	-.1133049	.0079024
cohort2004	-.0819657	.0288578	-2.84	0.005	-.1385316	-.0253998
award_b4_tsd	.0453248	.0180093	2.52	0.012	.0100236	.080626
diaward_tsd	-.0009617	.0006093	-1.58	0.115	-.002156	.0002326
epeb4twp_flag	.0665639	.0149785	4.44	0.000	.0372037	.0959241
ldwb4twp_flag	-.2904875	.1250432	-2.32	0.020	-.5355924	-.0453826
ldwb4epe_flag	.3949153	.1118864	3.53	0.000	.1755999	.6142307
twpb4tsd	.3286187	.0192668	17.06	0.000	.2908526	.3663847
epeb4tsd	-.1463268	.0112358	-13.02	0.000	-.1683508	-.1243029
ldwb4tsd	-.0742225	.013269	-5.59	0.000	-.1002318	-.0482132
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				

st_SC		0	(omitted)				
st_SD		0	(omitted)				
st_TN		0	(omitted)				
st_TX		0	(omitted)				
st_UT		0	(omitted)				
st_VA		0	(omitted)				
st_VT		0	(omitted)				
st_WA		0	(omitted)				
st_WI		0	(omitted)				
st_WV		0	(omitted)				
st_WY		0	(omitted)				
tsd_unemp_mean		.0666758	.0813872	0.82	0.413	-.0928564	.226208
tsd_unemp_cng		-.0028917	.0127992	-0.23	0.821	-.0279802	.0221969
pial		.000014	.000015	0.93	0.350	-.0000154	.0000434
pia_miss		.031238	.0207999	1.50	0.133	-.0095332	.0720093
ime1		-.0000111	4.32e-06	-2.57	0.010	-.0000195	-2.62e-06
ime_miss		-.0388036	.0082142	-4.72	0.000	-.0549048	-.0227023
_cons		-.2934706	.5079897	-0.58	0.563	-1.289213	.7022715

(1) motoimm = 0

F(1, 11976) = 0.20
 Prob > F = 0.6536

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_unemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity
 note: st_AL omitted because of collinearity
 note: st_AR omitted because of collinearity
 note: st_AZ omitted because of collinearity
 note: st_CA omitted because of collinearity
 note: st_CO omitted because of collinearity
 note: st_CT omitted because of collinearity
 note: st_DC omitted because of collinearity
 note: st_DE omitted because of collinearity
 note: st_FL omitted because of collinearity
 note: st_GA omitted because of collinearity
 note: st_HI omitted because of collinearity
 note: st_IA omitted because of collinearity
 note: st_ID omitted because of collinearity
 note: st_IL omitted because of collinearity
 note: st_IN omitted because of collinearity
 note: st_KS omitted because of collinearity
 note: st_KY omitted because of collinearity
 note: st_LA omitted because of collinearity
 note: st_MA omitted because of collinearity
 note: st_MD omitted because of collinearity
 note: st_ME omitted because of collinearity
 note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity

note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(45, 11976) = .
 Prob > F = .
 R-squared = 0.1277
 Root MSE = .24129

eperoll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0021552	.0018815	1.15	0.252	-.0015328	.0058433
male	.0046891	.0045219	1.04	0.300	-.0041745	.0135526
gendermiss_flag	0	(omitted)				
tsd_age	-.0026676	.000531	-5.02	0.000	-.0037085	-.0016267
doage2	-.0000699	.000471	-0.15	0.882	-.0009932	.0008534
doage2miss_flag	0	(omitted)				
race_a	-.0055572	.0161577	-0.34	0.731	-.0372289	.0261146
race_b	.0218499	.0064314	3.40	0.001	.0092433	.0344564
race_h	.0057049	.0079989	0.71	0.476	-.0099743	.021384
race_i	.0528578	.0495066	1.07	0.286	-.0441832	.1498988
race_o	.024583	.0195388	1.26	0.208	-.0137163	.0628822
race_mis	.0101551	.0127343	0.80	0.425	-.0148063	.0351165
tsd_edu_hs	.0101972	.0066516	1.53	0.125	-.0028411	.0232355
tsd_edu_mrhs	.0322085	.0078518	4.10	0.000	.0168176	.0475994
tsd_edu_mis	.0219549	.0067566	3.25	0.001	.008711	.0351989
tsd_mie_exp	-.0055556	.014537	-0.38	0.702	-.0340504	.0229392
tsd_mie_mis	.0019376	.0073143	0.26	0.791	-.0123995	.0162748
tsd_mie_psbl	-.0067977	.0070781	-0.96	0.337	-.0206718	.0070765
tsd_medicare	-.0193494	.0059931	-3.23	0.001	-.0310968	-.007602
tsd_medicare_miss	-.0470621	.016329	-2.88	0.004	-.0790695	-.0150547
tsd_depend_1	-.0073933	.0070048	-1.06	0.291	-.0211239	.0063372
tsd_depend_2	-.0078978	.0057737	-1.37	0.171	-.0192152	.0034196
tsd_depend_miss	-.0661624	.0204587	-3.23	0.001	-.1062647	-.0260601
tsd_vrpr	.0266557	.0117397	2.27	0.023	.003644	.0496674
tsd_vrpr_miss	-.0140514	.0102982	-1.36	0.172	-.0342375	.0061347
pdcgrou2	-.008505	.0094171	-0.90	0.366	-.026964	.0099541
pdcgrou3	-.0181583	.0090096	-2.02	0.044	-.0358185	-.0004981
pdcgrou4	-.0145685	.008401	-1.73	0.083	-.0310359	.0018989
pdcgrou5	-.0377261	.0167182	-2.26	0.024	-.0704965	-.0049557
cohort2000	-.0146254	.0086383	-1.69	0.090	-.0315578	.0023071
cohort2001	-.0184165	.0160813	-1.15	0.252	-.0499386	.0131055
cohort2002	-.0177135	.0258234	-0.69	0.493	-.0683316	.0329045
cohort2003	-.0450028	.0351639	-1.28	0.201	-.1139298	.0239242
cohort2004	-.0546448	.0361356	-1.51	0.131	-.1254764	.0161868

award_b4_tsd	.0395526	.0210873	1.88	0.061	-.0017818	.0808871
diaward_tsd	-.0015602	.0007283	-2.14	0.032	-.0029879	-.0001326
epeb4twp_flag	.06122	.0169631	3.61	0.000	.0279696	.0944704
ldwb4twp_flag	-.3305175	.1341699	-2.46	0.014	-.5935123	-.0675228
ldwb4epe_flag	.4331455	.1141451	3.79	0.000	.2094026	.6568884
twpb4tsd	.3452041	.0195031	17.70	0.000	.3069749	.3834333
epeb4tsd	-.1759832	.0118809	-14.81	0.000	-.1992716	-.1526947
ldwb4tsd	-.0867873	.0142391	-6.10	0.000	-.1146982	-.0588765
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				
st_WY	0	(omitted)				
tsd_unemp_mean	.1775607	.0983449	1.81	0.071	-.0152114	.3703327
tsd_unemp_cng	-.0136886	.0154987	-0.88	0.377	-.0440685	.0166914
pial	.0000382	.0000185	2.06	0.039	1.85e-06	.0000745
pia_miss	.0326858	.0231487	1.41	0.158	-.0126895	.078061

ime1		-.0000191	5.34e-06	-3.59	0.000	-.0000296	-8.67e-06
ime_miss		-.0602854	.0097943	-6.16	0.000	-.0794838	-.041087
_cons		-.8931503	.6140971	-1.45	0.146	-2.09688	.3105796

(1) motoimm = 0

F(1, 11976) = 1.31
 Prob > F = 0.2520

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_unemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity

note: st_HI omitted because of collinearity

note: st_IA omitted because of collinearity

note: st_ID omitted because of collinearity

note: st_IL omitted because of collinearity

note: st_IN omitted because of collinearity

note: st_KS omitted because of collinearity

note: st_KY omitted because of collinearity

note: st_LA omitted because of collinearity

note: st_MA omitted because of collinearity

note: st_MD omitted because of collinearity

note: st_ME omitted because of collinearity

note: st_MI omitted because of collinearity

note: st_MN omitted because of collinearity

note: st_MO omitted because of collinearity

note: st_MS omitted because of collinearity

note: st_MT omitted because of collinearity

note: st_NC omitted because of collinearity

note: st_ND omitted because of collinearity

note: st_NE omitted because of collinearity

note: st_NH omitted because of collinearity

note: st_NJ omitted because of collinearity

note: st_NM omitted because of collinearity

note: st_NV omitted because of collinearity

note: st_NY omitted because of collinearity

note: st_OH omitted because of collinearity

note: st_OK omitted because of collinearity

note: st_OR omitted because of collinearity

note: st_PA omitted because of collinearity

note: st_PR omitted because of collinearity

note: st_RI omitted because of collinearity

note: st_SC omitted because of collinearity

note: st_SD omitted because of collinearity

note: st_TN omitted because of collinearity

note: st_TX omitted because of collinearity

note: st_UT omitted because of collinearity

note: st_VA omitted because of collinearity

note: st_VT omitted because of collinearity

note: st_WA omitted because of collinearity

note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(46, 11976) = 33.59
 Prob > F = 0.0000
 R-squared = 0.1208
 Root MSE = .27382

eperoll148	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0020613	.0020834	0.99	0.323	-.0020226	.0061452
male	.0067271	.0051359	1.31	0.190	-.0033401	.0167944
gendermiss_flag	0	(omitted)				
tsd_age	-.0035856	.0005975	-6.00	0.000	-.0047568	-.0024143
doage2	.0003539	.0005193	0.68	0.496	-.0006639	.0013718
doage2miss_flag	0	(omitted)				
race_a	-.004654	.0186025	-0.25	0.802	-.0411178	.0318098
race_b	.0264538	.0072572	3.65	0.000	.0122285	.0406791
race_h	.0083811	.009152	0.92	0.360	-.0095582	.0263204
race_i	.0584509	.0545981	1.07	0.284	-.0485703	.1654721
race_o	.0307755	.0223313	1.38	0.168	-.0129975	.0745484
race_mis	.0016955	.0136371	0.12	0.901	-.0250354	.0284264
tsd_edu_hs	.0091716	.0076716	1.20	0.232	-.005866	.0242092
tsd_edu_mrhs	.0398771	.0090555	4.40	0.000	.0221269	.0576273
tsd_edu_mis	.0208765	.0077415	2.70	0.007	.0057018	.0360511
tsd_mie_exp	-.0047345	.0162028	-0.29	0.770	-.0364947	.0270257
tsd_mie_mis	.0066573	.0082796	0.80	0.421	-.0095721	.0228866
tsd_mie_psbl	-.0058058	.0078483	-0.74	0.459	-.0211896	.0095781
tsd_medicare	-.0195942	.0068031	-2.88	0.004	-.0329293	-.0062591
tsd_medicare_miss	-.0497745	.020216	-2.46	0.014	-.0894011	-.0101479
tsd_depend_1	-.0109301	.0078835	-1.39	0.166	-.0263829	.0045228
tsd_depend_2	-.0132577	.0065489	-2.02	0.043	-.0260946	-.0004209
tsd_depend_miss	-.0634024	.0225043	-2.82	0.005	-.1075146	-.0192903
tsd_vrpr	.0057236	.0140862	0.41	0.685	-.0218876	.0333348
tsd_vrpr_miss	-.0543084	.0125748	-4.32	0.000	-.0789571	-.0296597
pdcgrou2	-.0252844	.0107282	-2.36	0.018	-.0463133	-.0042555
pdcgrou3	-.0260741	.0104226	-2.50	0.012	-.0465041	-.0056442
pdcgrou4	-.0257272	.0096689	-2.66	0.008	-.0446799	-.0067745
pdcgrou5	-.0636482	.0202706	-3.14	0.002	-.1033819	-.0239144
cohort2000	-.007813	.0099077	-0.79	0.430	-.0272338	.0116077
cohort2001	-.0131444	.0183393	-0.72	0.474	-.0490924	.0228035
cohort2002	-.002086	.0293562	-0.07	0.943	-.0596289	.0554569
cohort2003	-.0430768	.0407759	-1.06	0.291	-.1230043	.0368506
cohort2004	-.0014607	.0447422	-0.03	0.974	-.0891628	.0862413
award_b4_tsd	.0352946	.0233974	1.51	0.131	-.0105681	.0811573
diaward_tsd	-.0013913	.0008311	-1.67	0.094	-.0030204	.0002378
epeb4twp_flag	.0513025	.0183193	2.80	0.005	.0153937	.0872112
ldwb4twp_flag	-.3938391	.1537619	-2.56	0.010	-.6952373	-.0924408
ldwb4epe_flag	.5368257	.1119917	4.79	0.000	.3173039	.7563475
twpb4tsd	.3441772	.0196503	17.52	0.000	.3056593	.382695
epeb4tsd	-.2027543	.0122496	-16.55	0.000	-.2267655	-.1787431
ldwb4tsd	-.0970725	.0148827	-6.52	0.000	-.1262449	-.0679001
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				

st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				
st_WY	0	(omitted)				
tsd_unemp_mean	.1116644	.1108337	1.01	0.314	-.1055877	.3289165
tsd_unemp_cng	-.015939	.0173712	-0.92	0.359	-.0499893	.0181114
pial	.0000386	.0000207	1.87	0.062	-1.92e-06	.0000791
pia_miss	.0330032	.0257598	1.28	0.200	-.0174902	.0834967
ime1	-.000024	5.93e-06	-4.05	0.000	-.0000356	-.0000124
ime_miss	-.0826647	.0111369	-7.42	0.000	-.1044949	-.0608346
_cons	-.4010546	.6931901	-0.58	0.563	-1.75982	.9577104

(1) motoimm = 0

F(1, 11976) = 0.98
 Prob > F = 0.3225

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_unemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity
 note: st_AR omitted because of collinearity
 note: st_AZ omitted because of collinearity
 note: st_CA omitted because of collinearity
 note: st_CO omitted because of collinearity
 note: st_CT omitted because of collinearity
 note: st_DC omitted because of collinearity
 note: st_DE omitted because of collinearity
 note: st_FL omitted because of collinearity
 note: st_GA omitted because of collinearity
 note: st_HI omitted because of collinearity
 note: st_IA omitted because of collinearity
 note: st_ID omitted because of collinearity
 note: st_IL omitted because of collinearity
 note: st_IN omitted because of collinearity
 note: st_KS omitted because of collinearity
 note: st_KY omitted because of collinearity
 note: st_LA omitted because of collinearity
 note: st_MA omitted because of collinearity
 note: st_MD omitted because of collinearity
 note: st_ME omitted because of collinearity
 note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(45, 11976) = .
 Prob > F = .
 R-squared = 0.0275
 Root MSE = .19971

twproll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0002657	.0015634	-0.17	0.865	-.0033302	.0027989

male	.0097376	.0037397	2.60	0.009	.0024072	.0170679
gendermiss_flag	0	(omitted)				
tsd_age	-.0018506	.0004301	-4.30	0.000	-.0026936	-.0010076
doage2	.00055	.0003756	1.46	0.143	-.0001863	.0012863
doage2miss_flag	0	(omitted)				
race_a	-.0079228	.0128074	-0.62	0.536	-.0330273	.0171817
race_b	.0129584	.0052941	2.45	0.014	.0025812	.0233356
race_h	.0038241	.0066884	0.57	0.568	-.0092862	.0169344
race_i	.0669438	.0520172	1.29	0.198	-.0350183	.1689058
race_o	-.0014155	.0143021	-0.10	0.921	-.0294499	.0266189
race_mis	-.008882	.0096207	-0.92	0.356	-.0277401	.0099761
tsd_edu_hs	.0027563	.0057249	0.48	0.630	-.0084654	.013978
tsd_edu_mrhs	.0150847	.0065694	2.30	0.022	.0022077	.0279617
tsd_edu_mis	.012262	.005837	2.10	0.036	.0008205	.0237036
tsd_mie_exp	.000586	.0115778	0.05	0.960	-.0221084	.0232803
tsd_mie_mis	.002786	.0062157	0.45	0.654	-.0093978	.0149697
tsd_mie_psbl	-.0008281	.005823	-0.14	0.887	-.0122421	.0105859
tsd_medicare	-.0201011	.0048651	-4.13	0.000	-.0296374	-.0105648
tsd_medicare_miss	-.0278261	.0126067	-2.21	0.027	-.0525372	-.003115
tsd_depend_1	-.007029	.0058176	-1.21	0.227	-.0184324	.0043744
tsd_depend_2	-.0130817	.0046932	-2.79	0.005	-.0222811	-.0038823
tsd_depend_miss	-.060454	.0186804	-3.24	0.001	-.0970706	-.0238375
tsd_vrpr	-.0032385	.0101578	-0.32	0.750	-.0231495	.0166724
tsd_vrpr_miss	-.0254004	.0091702	-2.77	0.006	-.0433755	-.0074253
pdcgrou2	-.0183389	.0079976	-2.29	0.022	-.0340156	-.0026623
pdcgrou3	-.0190452	.0075391	-2.53	0.012	-.0338232	-.0042673
pdcgrou4	-.0173934	.0071499	-2.43	0.015	-.0314083	-.0033784
pdcgrou5	-.0435887	.0123225	-3.54	0.000	-.0677429	-.0194346
cohort2000	-.0063346	.0071134	-0.89	0.373	-.0202781	.0076089
cohort2001	-.0114972	.0130588	-0.88	0.379	-.0370946	.0141002
cohort2002	-.0041015	.0218025	-0.19	0.851	-.046838	.0386349
cohort2003	-.0527664	.0271565	-1.94	0.052	-.1059975	.0004648
cohort2004	-.0616259	.0271819	-2.27	0.023	-.1149068	-.008345
award_b4_tsd	.0217119	.0184979	1.17	0.241	-.0145471	.0579709
diaward_tsd	-.0004659	.0006116	-0.76	0.446	-.0016648	.0007329
epeb4twp_flag	-.0511399	.0105032	-4.87	0.000	-.071728	-.0305518
ldwb4twp_flag	-.1126168	.0796991	-1.41	0.158	-.2688399	.0436063
ldwb4epe_flag	.1484649	.0956652	1.55	0.121	-.0390544	.3359842
twpb4tsd	-.0515025	.0029391	-17.52	0.000	-.0572636	-.0457415
epeb4tsd	-.0353074	.0034449	-10.25	0.000	-.04206	-.0285549
ldwb4tsd	-.013135	.0036431	-3.61	0.000	-.0202761	-.005994
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				

st_MN		0	(omitted)				
st_MO		0	(omitted)				
st_MS		0	(omitted)				
st_MT		0	(omitted)				
st_NC		0	(omitted)				
st_ND		0	(omitted)				
st_NE		0	(omitted)				
st_NH		0	(omitted)				
st_NJ		0	(omitted)				
st_NM		0	(omitted)				
st_NV		0	(omitted)				
st_NY		0	(omitted)				
st_OH		0	(omitted)				
st_OK		0	(omitted)				
st_OR		0	(omitted)				
st_PA		0	(omitted)				
st_PR		0	(omitted)				
st_RI		0	(omitted)				
st_SC		0	(omitted)				
st_SD		0	(omitted)				
st_TN		0	(omitted)				
st_TX		0	(omitted)				
st_UT		0	(omitted)				
st_VA		0	(omitted)				
st_VT		0	(omitted)				
st_WA		0	(omitted)				
st_WI		0	(omitted)				
st_WV		0	(omitted)				
st_WY		0	(omitted)				
tsd_unemp_mean		.0138252	.0801713	0.17	0.863	-.1433236	.170974
tsd_unemp_cng		.008168	.0126577	0.65	0.519	-.0166432	.0329792
pial		.0000158	.0000129	1.22	0.221	-9.52e-06	.0000411
pia_miss		.0461365	.020208	2.28	0.022	.0065255	.0857476
ime1		-9.54e-06	3.67e-06	-2.60	0.009	-.0000167	-2.34e-06
ime_miss		-.0363398	.0078657	-4.62	0.000	-.051758	-.0209217
_cons		.0702568	.5001509	0.14	0.888	-.9101201	1.050634

(1) motoimm = 0

F(1, 11976) = 0.03
 Prob > F = 0.8651

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_unemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity

note: st_HI omitted because of collinearity

note: st_IA omitted because of collinearity

note: st_ID omitted because of collinearity

note: st_IL omitted because of collinearity

note: st_IN omitted because of collinearity

note: st_KS omitted because of collinearity
 note: st_KY omitted because of collinearity
 note: st_LA omitted because of collinearity
 note: st_MA omitted because of collinearity
 note: st_MD omitted because of collinearity
 note: st_ME omitted because of collinearity
 note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(45, 11976) = .
 Prob > F = .
 R-squared = 0.0452
 Root MSE = .25163

twproll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0009404	.0019452	0.48	0.629	-.0028726	.0047534
male	.0051813	.0047233	1.10	0.273	-.0040772	.0144397
gendermiss_flag	0	(omitted)				
tsd_age	-.0026932	.0005367	-5.02	0.000	-.0037452	-.0016413
doage2	.0007633	.0004779	1.60	0.110	-.0001734	.0017
doage2miss_flag	0	(omitted)				
race_a	-.0006345	.0170829	-0.04	0.970	-.0341198	.0328508
race_b	.0189133	.0065491	2.89	0.004	.0060759	.0317506
race_h	.0058596	.0084307	0.70	0.487	-.0106659	.0223851
race_i	.1218562	.0649478	1.88	0.061	-.0054521	.2491645
race_o	.0056586	.0192366	0.29	0.769	-.0320483	.0433655
race_mis	-.0086854	.0125061	-0.69	0.487	-.0331993	.0158285
tsd_edu_hs	.0042247	.0073049	0.58	0.563	-.0100941	.0185435
tsd_edu_mrhs	.0175552	.008347	2.10	0.035	.0011938	.0339167
tsd_edu_mis	.0097773	.007345	1.33	0.183	-.0046201	.0241746
tsd_mie_exp	.0248909	.0156316	1.59	0.111	-.0057496	.0555313

tsd_mie_mis	.0073315	.0075033	0.98	0.329	-.0073763	.0220393
tsd_mie_psbl	.0082754	.0070446	1.17	0.240	-.0055332	.022084
tsd_medicare	-.0300673	.0061918	-4.86	0.000	-.0422041	-.0179305
tsd_medicare_miss	-.0517933	.0134733	-3.84	0.000	-.0782031	-.0253834
tsd_depend_1	-.0112329	.0073097	-1.54	0.124	-.0255611	.0030953
tsd_depend_2	-.0151948	.0061032	-2.49	0.013	-.0271581	-.0032315
tsd_depend_miss	-.0745237	.0215093	-3.46	0.001	-.1166855	-.032362
tsd_vrpr	-.0122179	.013278	-0.92	0.358	-.0382449	.0138092
tsd_vrpr_miss	-.0646644	.0119945	-5.39	0.000	-.0881755	-.0411532
pdcgrou2	-.0363368	.0098784	-3.68	0.000	-.0557	-.0169735
pdcgrou3	-.0241365	.0097414	-2.48	0.013	-.0432312	-.0050418
pdcgrou4	-.0256523	.0090465	-2.84	0.005	-.0433849	-.0079198
pdcgrou5	-.0703893	.0174992	-4.02	0.000	-.1046905	-.036088
cohort2000	-.0187489	.0089517	-2.09	0.036	-.0362957	-.001202
cohort2001	-.0317208	.0165416	-1.92	0.055	-.064145	.0007035
cohort2002	-.0169281	.0277048	-0.61	0.541	-.0712341	.0373778
cohort2003	-.0499556	.0342941	-1.46	0.145	-.1171776	.0172664
cohort2004	-.0783397	.0337397	-2.32	0.020	-.1444751	-.0122043
award_b4_tsd	.0105502	.0225571	0.47	0.640	-.0336655	.0547658
diaward_tsd	-.0014317	.0007697	-1.86	0.063	-.0029404	.000077
epeb4twp_flag	-.0721012	.0134207	-5.37	0.000	-.0984079	-.0457945
ldwb4twp_flag	-.1751298	.1166784	-1.50	0.133	-.4038385	.0535788
ldwb4epe_flag	.250058	.1134719	2.20	0.028	.0276346	.4724814
twpb4tsd	-.0859096	.0039334	-21.84	0.000	-.0936198	-.0781995
epeb4tsd	-.0574065	.0048674	-11.79	0.000	-.0669473	-.0478656
ldwb4tsd	-.0195036	.0056748	-3.44	0.001	-.0306271	-.0083801
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				

st_PA		0	(omitted)				
st_PR		0	(omitted)				
st_RI		0	(omitted)				
st_SC		0	(omitted)				
st_SD		0	(omitted)				
st_TN		0	(omitted)				
st_TX		0	(omitted)				
st_UT		0	(omitted)				
st_VA		0	(omitted)				
st_VT		0	(omitted)				
st_WA		0	(omitted)				
st_WI		0	(omitted)				
st_WV		0	(omitted)				
st_WY		0	(omitted)				
tsd_unemp_mean		.0811052	.1009155	0.80	0.422	-.1167055	.2789159
tsd_unemp_cng		-.0012917	.0161003	-0.08	0.936	-.0328509	.0302675
pial		.0000319	.0000179	1.79	0.074	-3.12e-06	.0000669
pia_miss		.0646951	.0241083	2.68	0.007	.0174389	.1119514
ime1		-.0000162	5.29e-06	-3.07	0.002	-.0000266	-5.86e-06
ime_miss		-.0599274	.0102616	-5.84	0.000	-.0800417	-.039813
_cons		-.2273956	.6304446	-0.36	0.718	-1.463169	1.008378

(1) motoimm = 0

F(1, 11976) = 0.23
 Prob > F = 0.6288

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_unemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity
 note: st_AL omitted because of collinearity
 note: st_AR omitted because of collinearity
 note: st_AZ omitted because of collinearity
 note: st_CA omitted because of collinearity
 note: st_CO omitted because of collinearity
 note: st_CT omitted because of collinearity
 note: st_DC omitted because of collinearity
 note: st_DE omitted because of collinearity
 note: st_FL omitted because of collinearity
 note: st_GA omitted because of collinearity
 note: st_HI omitted because of collinearity
 note: st_IA omitted because of collinearity
 note: st_ID omitted because of collinearity
 note: st_IL omitted because of collinearity
 note: st_IN omitted because of collinearity
 note: st_KS omitted because of collinearity
 note: st_KY omitted because of collinearity
 note: st_LA omitted because of collinearity
 note: st_MA omitted because of collinearity
 note: st_MD omitted because of collinearity
 note: st_ME omitted because of collinearity
 note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity

note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(45, 11976) = .
 Prob > F = .
 R-squared = 0.0571
 Root MSE = .28978

twproll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0002732	.0022197	-0.12	0.902	-.0046243	.0040778
male	.0123588	.0054306	2.28	0.023	.0017139	.0230037
gendermiss_flag	0	(omitted)				
tsd_age	-.0037086	.0006225	-5.96	0.000	-.0049289	-.0024884
doage2	.0010143	.0005536	1.83	0.067	-.0000709	.0020994
doage2miss_flag	0	(omitted)				
race_a	.0164809	.0211968	0.78	0.437	-.0250682	.05803
race_b	.0185444	.0074344	2.49	0.013	.0039717	.0331171
race_h	.0058889	.009716	0.61	0.544	-.0131561	.0249338
race_i	.0934861	.0649565	1.44	0.150	-.0338391	.2208113
race_o	.0043126	.0222149	0.19	0.846	-.0392323	.0478574
race_mis	-.0160388	.0140967	-1.14	0.255	-.0436707	.011593
tsd_edu_hs	.0138193	.0083829	1.65	0.099	-.0026125	.0302512
tsd_edu_mrhs	.032463	.0095958	3.38	0.001	.0136536	.0512723
tsd_edu_mis	.0159175	.0084007	1.89	0.058	-.0005493	.0323843
tsd_mie_exp	.0196237	.0173533	1.13	0.258	-.0143916	.053639
tsd_mie_mis	.0050477	.0085762	0.59	0.556	-.011763	.0218584
tsd_mie_psb1	.0109699	.0081065	1.35	0.176	-.0049201	.02686
tsd_medicare	-.0298571	.0070522	-4.23	0.000	-.0436807	-.0160336
tsd_medicare_miss	-.0592259	.0179872	-3.29	0.001	-.0944838	-.023968
tsd_depend_1	-.0098865	.0084484	-1.17	0.242	-.0264468	.0066738
tsd_depend_2	-.0172335	.0069851	-2.47	0.014	-.0309255	-.0035415
tsd_depend_miss	-.0564512	.0228969	-2.47	0.014	-.1013328	-.0115696
tsd_vrpr	-.039815	.0154371	-2.58	0.010	-.0700743	-.0095557
tsd_vrpr_miss	-.1083738	.0140567	-7.71	0.000	-.1359273	-.0808204
pdcgrou2	-.0528517	.011412	-4.63	0.000	-.0752211	-.0304822
pdcgrou3	-.0352639	.0112467	-3.14	0.002	-.0573092	-.0132186
pdcgrou4	-.0396692	.0103608	-3.83	0.000	-.059978	-.0193604
pdcgrou5	-.0245096	.0718984	-0.34	0.733	-.1654421	.1164229
cohort2000	-.0138083	.010564	-1.31	0.191	-.0345155	.0068989
cohort2001	-.0270137	.0194855	-1.39	0.166	-.0652084	.0111809

cohort2002	-.0005758	.0316363	-0.02	0.985	-.0625881	.0614366
cohort2003	-.0402169	.0412931	-0.97	0.330	-.1211581	.0407244
cohort2004	-.0359029	.0434065	-0.83	0.408	-.1209867	.049181
award_b4_tsd	.0105813	.0248998	0.42	0.671	-.0382264	.059389
diaward_tsd	-.0011492	.0008952	-1.28	0.199	-.0029039	.0006056
epeb4twp_flag	-.0929322	.0155452	-5.98	0.000	-.1234033	-.0624612
ldwb4twp_flag	-.2100199	.1352117	-1.55	0.120	-.4750568	.055017
ldwb4epe_flag	.291889	.1181889	2.47	0.014	.0602196	.5235584
twpb4tsd	-.1178962	.0047069	-25.05	0.000	-.1271225	-.1086699
epeb4tsd	-.0810527	.0061514	-13.18	0.000	-.0931104	-.0689951
ldwb4tsd	-.0265273	.0075005	-3.54	0.000	-.0412295	-.011825
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				
st_WY	0	(omitted)				
tsd_unemp_mean	-.016895	.1146096	-0.15	0.883	-.2415484	.2077584

tsd_unemp_cng	.0135708	.0182373	0.74	0.457	-.0221773	.049319
pial	.000036	.000021	1.71	0.087	-5.26e-06	.0000772
pia_miss	.0490212	.0263698	1.86	0.063	-.002668	.1007104
ime1	-.0000227	6.21e-06	-3.65	0.000	-.0000348	-.0000105
ime_miss	-.0827177	.0119511	-6.92	0.000	-.1061439	-.0592916
_cons	.4786719	.716904	0.67	0.504	-.9265761	1.88392

(1) motoimm = 0

F(1, 11976) = 0.02
 Prob > F = 0.9020

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_unemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity

note: st_HI omitted because of collinearity

note: st_IA omitted because of collinearity

note: st_ID omitted because of collinearity

note: st_IL omitted because of collinearity

note: st_IN omitted because of collinearity

note: st_KS omitted because of collinearity

note: st_KY omitted because of collinearity

note: st_LA omitted because of collinearity

note: st_MA omitted because of collinearity

note: st_MD omitted because of collinearity

note: st_ME omitted because of collinearity

note: st_MI omitted because of collinearity

note: st_MN omitted because of collinearity

note: st_MO omitted because of collinearity

note: st_MS omitted because of collinearity

note: st_MT omitted because of collinearity

note: st_NC omitted because of collinearity

note: st_ND omitted because of collinearity

note: st_NE omitted because of collinearity

note: st_NH omitted because of collinearity

note: st_NJ omitted because of collinearity

note: st_NM omitted because of collinearity

note: st_NV omitted because of collinearity

note: st_NY omitted because of collinearity

note: st_OH omitted because of collinearity

note: st_OK omitted because of collinearity

note: st_OR omitted because of collinearity

note: st_PA omitted because of collinearity

note: st_PR omitted because of collinearity

note: st_RI omitted because of collinearity

note: st_SC omitted because of collinearity

note: st_SD omitted because of collinearity

note: st_TN omitted because of collinearity

note: st_TX omitted because of collinearity

note: st_UT omitted because of collinearity

note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(46, 11976) = 38.11
 Prob > F = 0.0000
 R-squared = 0.0701
 Root MSE = .31059

twproll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoinm	.0004486	.0023537	0.19	0.849	-.0041651	.0050622
male	.0114819	.0058331	1.97	0.049	.0000481	.0229157
gendermiss_flag	0	(omitted)				
tsd_age	-.0042093	.0006733	-6.25	0.000	-.0055291	-.0028896
doage2	.0010289	.0005982	1.72	0.085	-.0001437	.0022015
doage2miss_flag	0	(omitted)				
race_a	.022829	.0230368	0.99	0.322	-.0223267	.0679848
race_b	.0216956	.0079615	2.73	0.006	.0060898	.0373014
race_h	.002051	.0102886	0.20	0.842	-.0181163	.0222183
race_i	.0984955	.0690338	1.43	0.154	-.0368219	.2338128
race_o	.0009718	.0237071	0.04	0.967	-.045498	.0474416
race_mis	-.0250196	.0145393	-1.72	0.085	-.053519	.0034798
tsd_edu_hs	.0158998	.0090665	1.75	0.080	-.001872	.0336717
tsd_edu_mrhs	.0327516	.0102533	3.19	0.001	.0126536	.0528497
tsd_edu_mis	.0126831	.0090024	1.41	0.159	-.004963	.0303292
tsd_mie_exp	.0185606	.0181078	1.03	0.305	-.0169336	.0540548
tsd_mie_mis	.0082402	.0091766	0.90	0.369	-.0097473	.0262277
tsd_mie_psbl	.0164728	.0086351	1.91	0.056	-.0004533	.033399
tsd_medicare	-.0339285	.0076458	-4.44	0.000	-.0489154	-.0189416
tsd_medicare_miss	-.0736528	.0184153	-4.00	0.000	-.1097499	-.0375558
tsd_depend_1	-.0031717	.0090421	-0.35	0.726	-.0208958	.0145523
tsd_depend_2	-.0069769	.0075401	-0.93	0.355	-.0217567	.0078028
tsd_depend_miss	-.0737982	.0251997	-2.93	0.003	-.1231937	-.0244026
tsd_vrpr	-.0583439	.0165767	-3.52	0.000	-.090837	-.0258508
tsd_vrpr_miss	-.1435924	.0150916	-9.51	0.000	-.1731743	-.1140104
pdcgrou2	-.0610338	.012131	-5.03	0.000	-.0848125	-.0372551
pdcgrou3	-.0321847	.0119571	-2.69	0.007	-.0556225	-.0087469
pdcgrou4	-.042429	.010943	-3.88	0.000	-.063879	-.0209789
pdcgrou5	-.0399312	.0710235	-0.56	0.574	-.1791487	.0992863
cohort2000	-.0148305	.0113251	-1.31	0.190	-.0370295	.0073685
cohort2001	-.0193816	.0209033	-0.93	0.354	-.0603555	.0215923
cohort2002	.0070519	.0337738	0.21	0.835	-.0591502	.073254
cohort2003	-.0128706	.0448143	-0.29	0.774	-.1007139	.0749727
cohort2004	-.0170093	.0465556	-0.37	0.715	-.1082659	.0742473
award_b4_tsd	.0058058	.0261761	0.22	0.824	-.0455036	.0571151
diaward_tsd	-.0010468	.0009651	-1.08	0.278	-.0029385	.000845
epeb4twp_flag	-.1066904	.0168351	-6.34	0.000	-.1396898	-.0736909
ldwb4twp_flag	-.2989449	.1840333	-1.62	0.104	-.6596799	.0617901
ldwb4epe_flag	.468858	.1130217	4.15	0.000	.2473172	.6903989
twpb4tsd	-.1386634	.0052761	-26.28	0.000	-.1490053	-.1283214
epeb4tsd	-.0945674	.0070618	-13.39	0.000	-.1084097	-.080725
ldwb4tsd	-.0302404	.0089057	-3.40	0.001	-.0476971	-.0127837
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				

st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				
st_WY	0	(omitted)				
tsd_unemp_mean	-.0360679	.1228091	-0.29	0.769	-.2767936	.2046578
tsd_unemp_cng	.0095576	.0195288	0.49	0.625	-.0287221	.0478372
pial	.0000363	.0000222	1.63	0.102	-7.27e-06	.0000799
pia_miss	.0707374	.0287506	2.46	0.014	.0143816	.1270931
ime1	-.0000284	6.58e-06	-4.31	0.000	-.0000413	-.0000155
ime_miss	-.0993226	.0127268	-7.80	0.000	-.1242691	-.074376
_cons	.6617705	.7684027	0.86	0.389	-.8444234	2.167964

(1) motoimm = 0

F(1, 11976) = 0.04
 Prob > F = 0.8489

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_unemp.xls

```

dir : seeout
note: gendermiss_flag omitted because of collinearity
note: doage2miss_flag omitted because of collinearity
note: st_AL omitted because of collinearity
note: st_AR omitted because of collinearity
note: st_AZ omitted because of collinearity
note: st_CA omitted because of collinearity
note: st_CO omitted because of collinearity
note: st_CT omitted because of collinearity
note: st_DC omitted because of collinearity
note: st_DE omitted because of collinearity
note: st_FL omitted because of collinearity
note: st_GA omitted because of collinearity
note: st_HI omitted because of collinearity
note: st_IA omitted because of collinearity
note: st_ID omitted because of collinearity
note: st_IL omitted because of collinearity
note: st_IN omitted because of collinearity
note: st_KS omitted because of collinearity
note: st_KY omitted because of collinearity
note: st_LA omitted because of collinearity
note: st_MA omitted because of collinearity
note: st_MD omitted because of collinearity
note: st_ME omitted because of collinearity
note: st_MI omitted because of collinearity
note: st_MN omitted because of collinearity
note: st_MO omitted because of collinearity
note: st_MS omitted because of collinearity
note: st_MT omitted because of collinearity
note: st_NC omitted because of collinearity
note: st_ND omitted because of collinearity
note: st_NE omitted because of collinearity
note: st_NH omitted because of collinearity
note: st_NJ omitted because of collinearity
note: st_NM omitted because of collinearity
note: st_NV omitted because of collinearity
note: st_NY omitted because of collinearity
note: st_OH omitted because of collinearity
note: st_OK omitted because of collinearity
note: st_OR omitted because of collinearity
note: st_PA omitted because of collinearity
note: st_PR omitted because of collinearity
note: st_RI omitted because of collinearity
note: st_SC omitted because of collinearity
note: st_SD omitted because of collinearity
note: st_TN omitted because of collinearity
note: st_TX omitted because of collinearity
note: st_UT omitted because of collinearity
note: st_VA omitted because of collinearity
note: st_VT omitted because of collinearity
note: st_WA omitted because of collinearity
note: st_WI omitted because of collinearity
note: st_WV omitted because of collinearity
note: st_WY omitted because of collinearity

```

Linear regression

```

Number of obs = 12023
F( 46, 11976) = 15.26
Prob > F      = 0.0000
R-squared     = 0.3168
Root MSE     = .15346

```

| Robust

srvroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0018411	.0012355	-1.49	0.136	-.0042628	.0005807
male	-.0009792	.0029697	-0.33	0.742	-.0068003	.0048419
gendermiss_flag	0	(omitted)				
tsd_age	-.0000572	.0004017	-0.14	0.887	-.0008446	.0007303
doage2	-.0000123	.0003839	-0.03	0.974	-.0007648	.0007403
doage2miss_flag	0	(omitted)				
race_a	.0054797	.0110295	0.50	0.619	-.0161399	.0270993
race_b	.0005383	.0039467	0.14	0.892	-.0071978	.0082745
race_h	.0011019	.0047076	0.23	0.815	-.0081257	.0103294
race_i	-.0031679	.0313071	-0.10	0.919	-.0645348	.0581991
race_o	.0259058	.0132645	1.95	0.051	-.0000948	.0519063
race_mis	.0006221	.0092115	0.07	0.946	-.017434	.0186781
tsd_edu_hs	-.0018032	.004496	-0.40	0.688	-.0106161	.0070097
tsd_edu_mrhs	-.0020046	.0051444	-0.39	0.697	-.0120885	.0080793
tsd_edu_mis	.0006836	.0049671	0.14	0.891	-.0090526	.0104199
tsd_mie_exp	.0033816	.0096016	0.35	0.725	-.0154391	.0222022
tsd_mie_mis	-.0099711	.0049119	-2.03	0.042	-.0195992	-.0003429
tsd_mie_psbl	-.0061527	.0046163	-1.33	0.183	-.0152013	.0028959
tsd_medicare	-.0034347	.0038499	-0.89	0.372	-.0109811	.0041116
tsd_medicare_miss	-.0121898	.0053873	-2.26	0.024	-.0227497	-.0016299
tsd_depend_1	.0017065	.0041105	0.42	0.678	-.0063508	.0097638
tsd_depend_2	-.0010909	.0033836	-0.32	0.747	-.0077232	.0055415
tsd_depend_miss	-.005795	.0147223	-0.39	0.694	-.0346531	.0230631
tsd_vrpr	-.3790149	.0170613	-22.21	0.000	-.4124578	-.3455719
tsd_vrpr_miss	-.4051592	.0167684	-24.16	0.000	-.4380279	-.3722904
pdcgrou2	-.0089795	.0061884	-1.45	0.147	-.0211098	.0031507
pdcgrou3	-.0017971	.0055505	-0.32	0.746	-.012677	.0090829
pdcgrou4	-.0041584	.005346	-0.78	0.437	-.0146374	.0063206
pdcgrou5	-.0143663	.0086601	-1.66	0.097	-.0313415	.0026089
cohort2000	-.0098658	.0057815	-1.71	0.088	-.0211985	.0014669
cohort2001	-.0190639	.0103746	-1.84	0.066	-.0393999	.0012721
cohort2002	-.0108604	.0174273	-0.62	0.533	-.0450208	.0233
cohort2003	-.0524679	.021973	-2.39	0.017	-.0955385	-.0093973
cohort2004	-.073819	.0230326	-3.20	0.001	-.1189666	-.0286713
award_b4_tsd	-.0116141	.0136707	-0.85	0.396	-.0384108	.0151827
diaward_tsd	-.0006948	.0004762	-1.46	0.145	-.0016282	.0002387
epeb4twp_flag	-.014865	.0125135	-1.19	0.235	-.0393935	.0096635
ldwb4twp_flag	.1892188	.1657577	1.14	0.254	-.1356931	.5141307
ldwb4epe_flag	-.0082474	.0477353	-0.17	0.863	-.1018163	.0853214
twpb4tsd	.0025433	.0079404	0.32	0.749	-.0130212	.0181078
epeb4tsd	.0054126	.0104732	0.52	0.605	-.0151165	.0259417
ldwb4tsd	-.0111901	.0093802	-1.19	0.233	-.0295767	.0071965
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				

st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				
st_WY	0	(omitted)				
tsd_unemp_mean	.0142897	.0613128	0.23	0.816	-.1058933	.1344727
tsd_unemp_cng	-.0022782	.0104924	-0.22	0.828	-.0228451	.0182886
pial	-3.15e-06	.0000126	-0.25	0.802	-.0000278	.0000215
pia_miss	.0057372	.0167594	0.34	0.732	-.0271138	.0385883
ime1	1.84e-07	3.54e-06	0.05	0.959	-6.75e-06	7.12e-06
ime_miss	-.0020749	.0072258	-0.29	0.774	-.0162386	.0120888
_cons	.3728275	.3841794	0.97	0.332	-.3802264	1.125881

(1) motoimm = 0

F(1, 11976) = 2.22
 Prob > F = 0.1362

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_unemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity

note: st_HI omitted because of collinearity

note: st_IA omitted because of collinearity

note: st_ID omitted because of collinearity
 note: st_IL omitted because of collinearity
 note: st_IN omitted because of collinearity
 note: st_KS omitted because of collinearity
 note: st_KY omitted because of collinearity
 note: st_LA omitted because of collinearity
 note: st_MA omitted because of collinearity
 note: st_MD omitted because of collinearity
 note: st_ME omitted because of collinearity
 note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(45, 11976) = .
 Prob > F = .
 R-squared = 0.4261
 Root MSE = .18045

srvroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0010434	.0014329	-0.73	0.467	-.0038522	.0017654
male	-.0029126	.0034545	-0.84	0.399	-.0096839	.0038588
gendermiss_flag	0	(omitted)				
tsd_age	-.0006629	.0004779	-1.39	0.165	-.0015997	.0002739
doage2	-.0001763	.0004543	-0.39	0.698	-.0010668	.0007141
doage2miss_flag	0	(omitted)				
race_a	-.0030725	.0129476	-0.24	0.812	-.028452	.0223069
race_b	-.0098967	.0045232	-2.19	0.029	-.018763	-.0010304
race_h	-.0040226	.0052246	-0.77	0.441	-.0142636	.0062183
race_i	-.0020776	.033031	-0.06	0.950	-.0668238	.0626685
race_o	.0166743	.0141917	1.17	0.240	-.0111437	.0444923
race_mis	-.0051014	.01011	-0.50	0.614	-.0249186	.0147158
tsd_edu_hs	.0003833	.0051596	0.07	0.941	-.0097305	.010497

tsd_edu_mrhs	.0021147	.0059828	0.35	0.724	-.0096124	.0138419
tsd_edu_mis	-.0026053	.0056397	-0.46	0.644	-.01366	.0084493
tsd_mie_exp	-.0145661	.0100627	-1.45	0.148	-.0342907	.0051584
tsd_mie_mis	-.0162675	.0061074	-2.66	0.008	-.0282389	-.0042961
tsd_mie_psbl	-.0134807	.0057567	-2.34	0.019	-.0247648	-.0021965
tsd_medicare	-.0108994	.0045939	-2.37	0.018	-.0199043	-.0018946
tsd_medicare_miss	-.0099963	.0132408	-0.75	0.450	-.0359505	.0159579
tsd_depend_1	-.0026667	.0046573	-0.57	0.567	-.0117957	.0064623
tsd_depend_2	-.0036058	.0038534	-0.94	0.349	-.0111592	.0039476
tsd_depend_miss	.0025894	.0180685	0.14	0.886	-.0328278	.0380066
tsd_vrpr	-.5446504	.0173491	-31.39	0.000	-.5786574	-.5106435
tsd_vrpr_miss	-.6013959	.0165945	-36.24	0.000	-.6339239	-.568868
pdcgrou2	-.0109072	.0071556	-1.52	0.127	-.0249332	.0031189
pdcgrou3	-.0113657	.0061591	-1.85	0.065	-.0234386	.0007071
pdcgrou4	-.0061	.0060499	-1.01	0.313	-.0179587	.0057588
pdcgrou5	.0442958	.0705534	0.63	0.530	-.0940004	.182592
cohort2000	.0063672	.0068647	0.93	0.354	-.0070887	.0198231
cohort2001	.0082244	.0122915	0.67	0.503	-.0158689	.0323177
cohort2002	.0290798	.0190568	1.53	0.127	-.0082747	.0664342
cohort2003	-.0022752	.0295381	-0.08	0.939	-.0601746	.0556243
cohort2004	-.0829712	.0299519	-2.77	0.006	-.1416818	-.0242605
award_b4_tsd	-.0161774	.0146622	-1.10	0.270	-.0449178	.0125629
diaward_tsd	.000424	.0005528	0.77	0.443	-.0006596	.0015077
epeb4twp_flag	-.0295398	.015423	-1.92	0.055	-.0597714	.0006917
ldwb4twp_flag	.1271115	.1078115	1.18	0.238	-.0842164	.3384394
ldwb4epe_flag	-.0372058	.0469138	-0.79	0.428	-.1291644	.0547528
twpb4tsd	-.0043574	.0090764	-0.48	0.631	-.0221486	.0134338
epeb4tsd	.0180982	.0136019	1.33	0.183	-.0085638	.0447602
ldwb4tsd	-.0258374	.0129691	-1.99	0.046	-.0512589	-.0004159
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				

st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				
st_WY	0	(omitted)				
tsd_unemp_mean	.0030265	.0716371	0.04	0.966	-.1373939	.1434469
tsd_unemp_cng	.0041144	.0118676	0.35	0.729	-.0191481	.0273768
pia1	.0000113	.0000153	0.74	0.459	-.0000186	.0000412
pia_miss	-.0049295	.0205221	-0.24	0.810	-.0451561	.0352971
ime1	-3.44e-06	4.48e-06	-0.77	0.443	-.0000122	5.34e-06
ime_miss	-.001843	.008881	-0.21	0.836	-.0192512	.0155652
_cons	.6413826	.4482078	1.43	0.152	-.2371774	1.519943

(1) motoimm = 0

F(1, 11976) = 0.53
 Prob > F = 0.4665

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_unemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity

note: st_HI omitted because of collinearity

note: st_IA omitted because of collinearity

note: st_ID omitted because of collinearity

note: st_IL omitted because of collinearity

note: st_IN omitted because of collinearity

note: st_KS omitted because of collinearity

note: st_KY omitted because of collinearity

note: st_LA omitted because of collinearity

note: st_MA omitted because of collinearity

note: st_MD omitted because of collinearity

note: st_ME omitted because of collinearity

note: st_MI omitted because of collinearity

note: st_MN omitted because of collinearity

note: st_MO omitted because of collinearity

note: st_MS omitted because of collinearity

note: st_MT omitted because of collinearity

note: st_NC omitted because of collinearity

note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(46, 11976) = 76.10
 Prob > F = 0.0000
 R-squared = 0.5499
 Root MSE = .17608

-----		Robust				-----	
srvroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]		
-----	-----	-----	-----	-----	-----	-----	
motoimm	-.0010811	.001431	-0.76	0.450	-.0038861	.0017238	
male	-.0012078	.0033721	-0.36	0.720	-.0078175	.005402	
gendermiss_flag	0	(omitted)					
tsd_age	-.0008884	.000472	-1.88	0.060	-.0018136	.0000368	
doage2	.0001369	.0004459	0.31	0.759	-.0007372	.0010111	
doage2miss_flag	0	(omitted)					
race_a	-.0118274	.0130561	-0.91	0.365	-.0374194	.0137646	
race_b	-.0060497	.0044042	-1.37	0.170	-.0146827	.0025833	
race_h	-.0049848	.0051959	-0.96	0.337	-.0151696	.0052	
race_i	.0141827	.0273766	0.52	0.604	-.0394798	.0678453	
race_o	.0017635	.0138331	0.13	0.899	-.0253517	.0288787	
race_mis	-.0067888	.0098512	-0.69	0.491	-.0260988	.0125213	
tsd_edu_hs	.0040931	.0050842	0.81	0.421	-.0058728	.0140591	
tsd_edu_mrhs	.0067955	.0059	1.15	0.249	-.0047695	.0183605	
tsd_edu_mis	-.0028023	.0055378	-0.51	0.613	-.0136573	.0080527	
tsd_mie_exp	-.0235578	.0095577	-2.46	0.014	-.0422925	-.0048231	
tsd_mie_mis	-.0164439	.006066	-2.71	0.007	-.0283343	-.0045535	
tsd_mie_psbl	-.0159736	.0056246	-2.84	0.005	-.0269986	-.0049486	
tsd_medicare	-.0110198	.0045147	-2.44	0.015	-.0198693	-.0021703	
tsd_medicare_miss	-.0037455	.0117085	-0.32	0.749	-.0266961	.019205	
tsd_depend_1	-.0058249	.0046407	-1.26	0.209	-.0149215	.0032716	
tsd_depend_2	-.0054606	.0037151	-1.47	0.142	-.0127429	.0018216	
tsd_depend_miss	.0031741	.0185009	0.17	0.864	-.0330907	.0394389	
tsd_vrpr	-.6905696	.0153699	-44.93	0.000	-.7206971	-.6604421	
tsd_vrpr_miss	-.7549626	.0143625	-52.56	0.000	-.7831154	-.7268099	
pdcgrou2	-.0106428	.0069973	-1.52	0.128	-.0243587	.0030732	
pdcgrou3	-.0111177	.0059243	-1.88	0.061	-.0227304	.0004949	
pdcgrou4	-.0021452	.0058546	-0.37	0.714	-.0136212	.0093308	

pdgroup5	.0418539	.070108	0.60	0.551	-.0955692	.179277
cohort2000	.0108081	.0066251	1.63	0.103	-.0021781	.0237944
cohort2001	.0171047	.0117107	1.46	0.144	-.0058501	.0400594
cohort2002	.0274182	.0180609	1.52	0.129	-.007984	.0628204
cohort2003	-.0241338	.0283895	-0.85	0.395	-.0797818	.0315142
cohort2004	-.0985519	.0311077	-3.17	0.002	-.159528	-.0375757
award_b4_tsd	.0002669	.0139995	0.02	0.985	-.0271744	.0277082
diaward_tsd	.0006641	.0005284	1.26	0.209	-.0003717	.0016998
epeb4twp_flag	-.0310684	.0144375	-2.15	0.031	-.0593682	-.0027686
ldwb4twp_flag	.0694139	.0651074	1.07	0.286	-.0582072	.1970349
ldwb4epe_flag	-.0592057	.0502733	-1.18	0.239	-.1577496	.0393382
twpb4tsd	-.000782	.008845	-0.09	0.930	-.0181196	.0165556
epeb4tsd	.0147708	.0124691	1.18	0.236	-.0096706	.0392122
ldwb4tsd	-.0234773	.0116184	-2.02	0.043	-.0462512	-.0007034
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				

st_WV	0	(omitted)				
st_WY	0	(omitted)				
tsd_unemp_mean	-.0117398	.070232	-0.17	0.867	-.1494059	.1259263
tsd_unemp_cng	.008451	.0117964	0.72	0.474	-.0146718	.0315738
pial	8.30e-06	.0000156	0.53	0.594	-.0000222	.0000388
pia_miss	-.0048404	.0210347	-0.23	0.818	-.0460717	.0363909
ime1	-2.91e-06	4.57e-06	-0.64	0.524	-.0000119	6.04e-06
ime_miss	.0023554	.0088709	0.27	0.791	-.015033	.0197438
_cons	.8746472	.4386236	1.99	0.046	.0148739	1.734421

(1) motoimm = 0

F(1, 11976) = 0.57
 Prob > F = 0.4500

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_unemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity

note: st_HI omitted because of collinearity

note: st_IA omitted because of collinearity

note: st_ID omitted because of collinearity

note: st_IL omitted because of collinearity

note: st_IN omitted because of collinearity

note: st_KS omitted because of collinearity

note: st_KY omitted because of collinearity

note: st_LA omitted because of collinearity

note: st_MA omitted because of collinearity

note: st_MD omitted because of collinearity

note: st_ME omitted because of collinearity

note: st_MI omitted because of collinearity

note: st_MN omitted because of collinearity

note: st_MO omitted because of collinearity

note: st_MS omitted because of collinearity

note: st_MT omitted because of collinearity

note: st_NC omitted because of collinearity

note: st_ND omitted because of collinearity

note: st_NE omitted because of collinearity

note: st_NH omitted because of collinearity

note: st_NJ omitted because of collinearity

note: st_NM omitted because of collinearity

note: st_NV omitted because of collinearity

note: st_NY omitted because of collinearity

note: st_OH omitted because of collinearity

note: st_OK omitted because of collinearity

note: st_OR omitted because of collinearity

note: st_PA omitted because of collinearity

note: st_PR omitted because of collinearity

note: st_RI omitted because of collinearity

note: st_SC omitted because of collinearity

note: st_SD omitted because of collinearity

note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(45, 11976) = .
 Prob > F = .
 R-squared = 0.6460
 Root MSE = .16641

-----		Robust				
-----	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	-----
srvroll48						
motoimm	-.0012777	.0013756	-0.93	0.353	-.003974	.0014187
male	-.0044746	.0032003	-1.40	0.162	-.0107478	.0017986
gendermiss_flag	0	(omitted)				
tsd_age	-.0007682	.0004408	-1.74	0.081	-.0016322	.0000958
doage2	-.0000856	.0004129	-0.21	0.836	-.000895	.0007237
doage2miss_flag	0	(omitted)				
race_a	-.0076074	.0130172	-0.58	0.559	-.0331233	.0179084
race_b	-.0012693	.0041946	-0.30	0.762	-.0094915	.0069528
race_h	-.0058422	.0050551	-1.16	0.248	-.015751	.0040665
race_i	.0050177	.0258983	0.19	0.846	-.0457473	.0557827
race_o	.0101882	.0105207	0.97	0.333	-.0104342	.0308105
race_mis	-.0031875	.0091126	-0.35	0.727	-.0210497	.0146748
tsd_edu_hs	.001877	.0049925	0.38	0.707	-.0079091	.011663
tsd_edu_mrhs	.0055928	.0056206	1.00	0.320	-.0054245	.01661
tsd_edu_mis	-.0006139	.0053572	-0.11	0.909	-.0111148	.0098869
tsd_mie_exp	-.0135174	.0084188	-1.61	0.108	-.0300196	.0029848
tsd_mie_mis	-.0142221	.0058247	-2.44	0.015	-.0256395	-.0028047
tsd_mie_psbl	-.0161723	.0054712	-2.96	0.003	-.0268968	-.0054478
tsd_medicare	-.0111201	.0042687	-2.61	0.009	-.0194875	-.0027528
tsd_medicare_miss	.0045885	.0159336	0.29	0.773	-.026644	.035821
tsd_depend_1	-.0066075	.0044457	-1.49	0.137	-.0153218	.0021068
tsd_depend_2	-.0064709	.0034799	-1.86	0.063	-.0132921	.0003504
tsd_depend_miss	-.010683	.0180141	-0.59	0.553	-.0459936	.0246276
tsd_vrpr	-.8036578	.0121505	-66.14	0.000	-.8274747	-.779841
tsd_vrpr_miss	-.8735293	.0106389	-82.11	0.000	-.8943832	-.8526754
pdcgroup2	-.0121297	.0065928	-1.84	0.066	-.0250527	.0007934
pdcgroup3	-.0128413	.0054999	-2.33	0.020	-.023622	-.0020606
pdcgroup4	-.0037513	.0054374	-0.69	0.490	-.0144096	.0069069
pdcgroup5	.0405217	.0702914	0.58	0.564	-.097261	.1783043
cohort2000	.0132332	.0063647	2.08	0.038	.0007574	.025709
cohort2001	.0237105	.0110386	2.15	0.032	.002073	.0453481
cohort2002	.0253754	.0170199	1.49	0.136	-.0079864	.0587371
cohort2003	-.017336	.0300863	-0.58	0.564	-.07631	.041638
cohort2004	-.1136797	.0332156	-3.42	0.001	-.1787878	-.0485717
award_b4_tsd	.0042817	.0136129	0.31	0.753	-.0224019	.0309652
diaward_tsd	.0008963	.0004996	1.79	0.073	-.0000831	.0018756
epeb4twp_flag	-.031478	.0149716	-2.10	0.036	-.0608248	-.0021313
ldwb4twp_flag	.0110014	.0461665	0.24	0.812	-.0794924	.1014951
ldwb4epe_flag	-.011325	.0173376	-0.65	0.514	-.0453095	.0226595
twpb4tsd	-.0056246	.0083102	-0.68	0.499	-.0219139	.0106648
epeb4tsd	.0124797	.0132453	0.94	0.346	-.0134832	.0384427
ldwb4tsd	-.0288549	.0118106	-2.44	0.015	-.0520056	-.0057042
st_AL	0	(omitted)				

st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				
st_WY	0	(omitted)				
tsd_unemp_mean	-.0047056	.0665246	-0.07	0.944	-.1351047	.1256934
tsd_unemp_cng	.0071871	.0111703	0.64	0.520	-.0147085	.0290827
pia1	-6.73e-07	.0000145	-0.05	0.963	-.000029	.0000277
pia_miss	-.0034361	.0200497	-0.17	0.864	-.0427368	.0358645
ime1	-3.53e-07	4.15e-06	-0.09	0.932	-8.48e-06	7.77e-06
ime_miss	.0000627	.008068	0.01	0.994	-.015752	.0158773
_cons	.9555804	.4152504	2.30	0.021	.1416223	1.769539

(1) motoimm = 0

F(1, 11976) = 0.86
 Prob > F = 0.3530

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
PM_PH1NY_unemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity
note: doage2miss_flag omitted because of collinearity
note: st_AL omitted because of collinearity
note: st_AR omitted because of collinearity
note: st_AZ omitted because of collinearity
note: st_CA omitted because of collinearity
note: st_CO omitted because of collinearity
note: st_CT omitted because of collinearity
note: st_DC omitted because of collinearity
note: st_DE omitted because of collinearity
note: st_FL omitted because of collinearity
note: st_GA omitted because of collinearity
note: st_HI omitted because of collinearity
note: st_IA omitted because of collinearity
note: st_ID omitted because of collinearity
note: st_IL omitted because of collinearity
note: st_IN omitted because of collinearity
note: st_KS omitted because of collinearity
note: st_KY omitted because of collinearity
note: st_LA omitted because of collinearity
note: st_MA omitted because of collinearity
note: st_MD omitted because of collinearity
note: st_ME omitted because of collinearity
note: st_MI omitted because of collinearity
note: st_MN omitted because of collinearity
note: st_MO omitted because of collinearity
note: st_MS omitted because of collinearity
note: st_MT omitted because of collinearity
note: st_NC omitted because of collinearity
note: st_ND omitted because of collinearity
note: st_NE omitted because of collinearity
note: st_NH omitted because of collinearity
note: st_NJ omitted because of collinearity
note: st_NM omitted because of collinearity
note: st_NV omitted because of collinearity
note: st_NY omitted because of collinearity
note: st_OH omitted because of collinearity
note: st_OK omitted because of collinearity
note: st_OR omitted because of collinearity
note: st_PA omitted because of collinearity
note: st_PR omitted because of collinearity
note: st_RI omitted because of collinearity
note: st_SC omitted because of collinearity
note: st_SD omitted because of collinearity
note: st_TN omitted because of collinearity
note: st_TX omitted because of collinearity
note: st_UT omitted because of collinearity
note: st_VA omitted because of collinearity
note: st_VT omitted because of collinearity
note: st_WA omitted because of collinearity
note: st_WI omitted because of collinearity
note: st_WV omitted because of collinearity
note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
F(45, 11976) = .
Prob > F = .
R-squared = 0.4933
Root MSE = 1.0545

nstw12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	.0164259	.0080455	2.04	0.041	.0006554 .0321963
male	.0397896	.0202382	1.97	0.049	.0001195 .0794597
gendermiss_flag	0	(omitted)			
tsd_age	-.0033826	.0022701	-1.49	0.136	-.0078324 .0010672
doage2	.0005516	.0017794	0.31	0.757	-.0029364 .0040395
doage2miss_flag	0	(omitted)			
race_a	.0201192	.0700234	0.29	0.774	-.117138 .1573764
race_b	.0378255	.0296245	1.28	0.202	-.0202434 .0958944
race_h	.093815	.0352498	2.66	0.008	.0247196 .1629103
race_i	-.2901189	.2172266	-1.34	0.182	-.7159182 .1356803
race_o	.0197565	.0490446	0.40	0.687	-.0763788 .1158919
race_mis	.037681	.0593844	0.63	0.526	-.078722 .1540841
tsd_edu_hs	.0826649	.0275088	3.01	0.003	.0287432 .1365866
tsd_edu_mrhs	.0807799	.0322105	2.51	0.012	.0176422 .1439176
tsd_edu_mis	.0261911	.0294364	0.89	0.374	-.031509 .0838913
tsd_mie_exp	.0003945	.0604267	0.01	0.995	-.1180516 .1188406
tsd_mie_mis	-.007408	.0326571	-0.23	0.821	-.0714212 .0566051
tsd_mie_psbl	-.0288095	.033643	-0.86	0.392	-.0947552 .0371363
tsd_medicare	-.0485158	.027424	-1.77	0.077	-.1022712 .0052396
tsd_medicare_miss	-.0750409	.0352308	-2.13	0.033	-.144099 -.0059828
tsd_depend_1	-.0083243	.0287012	-0.29	0.772	-.0645834 .0479347
tsd_depend_2	-.0226772	.0243331	-0.93	0.351	-.0703739 .0250196
tsd_depend_miss	.0803948	.0480475	1.67	0.094	-.0137862 .1745758
tsd_vrpr	.0879253	.0352318	2.50	0.013	.0188654 .1569853
tsd_vrpr_miss	.1238238	.0272583	4.54	0.000	.070393 .1772546
pdgroup2	-.0366973	.0370198	-0.99	0.322	-.1092621 .0358674
pdgroup3	.0538137	.0344163	1.56	0.118	-.0136479 .1212752
pdgroup4	.0658676	.0332264	1.98	0.047	.0007385 .1309968
pdgroup5	-.0028739	.040537	-0.07	0.943	-.082333 .0765851
cohort2000	.0162147	.0470482	0.34	0.730	-.0760073 .1084367
cohort2001	.0042768	.0762374	0.06	0.955	-.1451608 .1537145
cohort2002	-.0483691	.0967245	-0.50	0.617	-.2379647 .1412266
cohort2003	.1777703	.1410116	1.26	0.207	-.0986353 .4541759
cohort2004	.4162291	.1855415	2.24	0.025	.0525376 .7799206
award_b4_tsd	.0375604	.0389531	0.96	0.335	-.038794 .1139148
diaward_tsd	-.0025648	.0031454	-0.82	0.415	-.0087302 .0036007
epeb4twp_flag	-1.380165	.2322586	-5.94	0.000	-1.83543 -.9249009
ldwb4twp_flag	.1463878	.5808494	0.25	0.801	-.9921711 1.284947
ldwb4epe_flag	.9215039	.5996648	1.54	0.124	-.2539363 2.096944
twpb4tsd	1.225505	.1164007	10.53	0.000	.9973408 1.453669
epeb4tsd	1.216217	.2240159	5.43	0.000	.7771095 1.655324
ldwb4tsd	6.472987	.3713871	17.43	0.000	5.745008 7.200966
st_AL	0	(omitted)			
st_AR	0	(omitted)			
st_AZ	0	(omitted)			
st_CA	0	(omitted)			
st_CO	0	(omitted)			
st_CT	0	(omitted)			
st_DC	0	(omitted)			
st_DE	0	(omitted)			
st_FL	0	(omitted)			
st_GA	0	(omitted)			
st_HI	0	(omitted)			
st_IA	0	(omitted)			
st_ID	0	(omitted)			
st_IL	0	(omitted)			
st_IN	0	(omitted)			
st_KS	0	(omitted)			

st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				
st_WY	0	(omitted)				
tsd_unemp_mean	.4774277	.4172587	1.14	0.253	-.340467	1.295322
tsd_unemp_cng	-.0888417	.0623179	-1.43	0.154	-.2109949	.0333115
pial	-.0004124	.0001497	-2.76	0.006	-.0007059	-.000119
pia_miss	-.5124189	.1464092	-3.50	0.000	-.7994047	-.2254332
ime1	.0001281	.000046	2.78	0.005	.0000378	.0002183
ime_miss	.2988749	.0892088	3.35	0.001	.1240112	.4737387
_cons	-2.954712	2.61732	-1.13	0.259	-8.085082	2.175659

(1) motoimm = 0

F(1, 11976) = 4.17
 Prob > F = 0.0412

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_unemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity
 note: st_AL omitted because of collinearity
 note: st_AR omitted because of collinearity
 note: st_AZ omitted because of collinearity
 note: st_CA omitted because of collinearity
 note: st_CO omitted because of collinearity
 note: st_CT omitted because of collinearity
 note: st_DC omitted because of collinearity
 note: st_DE omitted because of collinearity
 note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity
 note: st_HI omitted because of collinearity
 note: st_IA omitted because of collinearity
 note: st_ID omitted because of collinearity
 note: st_IL omitted because of collinearity
 note: st_IN omitted because of collinearity
 note: st_KS omitted because of collinearity
 note: st_KY omitted because of collinearity
 note: st_LA omitted because of collinearity
 note: st_MA omitted because of collinearity
 note: st_MD omitted because of collinearity
 note: st_ME omitted because of collinearity
 note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(45, 11976) = .
 Prob > F = .
 R-squared = 0.3967
 Root MSE = 2.4862

nstw24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0132309	.0193056	0.69	0.493	-.0246112	.051073
male	.1247998	.0474703	2.63	0.009	.0317504	.2178493
gendermiss_flag	0	(omitted)				
tsd_age	-.0145715	.0054484	-2.67	0.007	-.0252513	-.0038916
doage2	-.0001917	.0045762	-0.04	0.967	-.0091619	.0087784
doage2miss_flag	0	(omitted)				
race_a	.1043918	.1826959	0.57	0.568	-.2537218	.4625055
race_b	.1342637	.0679403	1.98	0.048	.0010896	.2674378
race_h	.2613716	.0797441	3.28	0.001	.1050602	.417683
race_i	-.0034387	.6131663	-0.01	0.996	-1.205344	1.198467

race_o	.1703051	.1644222	1.04	0.300	-.151989	.4925993
race_mis	.153774	.1421912	1.08	0.280	-.1249437	.4324918
tsd_edu_hs	.186675	.0638975	2.92	0.003	.0614256	.3119243
tsd_edu_mrhs	.3077161	.0782774	3.93	0.000	.1542796	.4611526
tsd_edu_mis	.1411361	.0698212	2.02	0.043	.0042751	.277997
tsd_mie_exp	-.0105031	.1495783	-0.07	0.944	-.3037007	.2826946
tsd_mie_mis	-.0262874	.0773067	-0.34	0.734	-.177821	.1252463
tsd_mie_psbl	-.1152989	.0786729	-1.47	0.143	-.2695106	.0389128
tsd_medicare	-.1115425	.0657633	-1.70	0.090	-.2404493	.0173642
tsd_medicare_miss	-.3684965	.098565	-3.74	0.000	-.5616999	-.1752931
tsd_depend_1	-.1328598	.0683016	-1.95	0.052	-.2667421	.0010224
tsd_depend_2	-.1387691	.0578665	-2.40	0.016	-.2521968	-.0253415
tsd_depend_miss	.0784186	.1194558	0.66	0.512	-.1557341	.3125713
tsd_vrpr	.3207481	.0902508	3.55	0.000	.1438419	.4976542
tsd_vrpr_miss	.3192876	.0715186	4.46	0.000	.1790995	.4594756
pdcgrou2	-.1698423	.0897205	-1.89	0.058	-.345709	.0060244
pdcgrou3	.0348983	.0835076	0.42	0.676	-.1287902	.1985867
pdcgrou4	.0991507	.0813472	1.22	0.223	-.0603031	.2586045
pdcgrou5	-.1383157	.1037547	-1.33	0.183	-.3416916	.0650603
cohort2000	-.0119071	.1070585	-0.11	0.911	-.2217591	.1979449
cohort2001	-.0608474	.1769109	-0.34	0.731	-.4076214	.2859265
cohort2002	-.2568745	.2344732	-1.10	0.273	-.71648	.202731
cohort2003	.0605622	.2974585	0.20	0.839	-.5225048	.6436291
cohort2004	.6160073	.400663	1.54	0.124	-.1693571	1.401372
award_b4_tsd	.245753	.1182023	2.08	0.038	.0140572	.4774487
diaward_tsd	-.0107847	.0075358	-1.43	0.152	-.0255561	.0039866
epeb4twp_flag	-2.51352	.4763501	-5.28	0.000	-3.447243	-1.579797
ldwb4twp_flag	-1.608987	2.858105	-0.56	0.573	-7.211336	3.993362
ldwb4epe_flag	3.211649	1.59119	2.02	0.044	.0926595	6.330639
twpb4tsd	3.6207	.2822469	12.83	0.000	3.067451	4.17395
epeb4tsd	1.904367	.4529815	4.20	0.000	1.016449	2.792284
ldwb4tsd	11.52793	.7450138	15.47	0.000	10.06758	12.98828
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				

st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				
st_WY	0	(omitted)				
tsd_unemp_mean	.4507414	.9875492	0.46	0.648	-1.485015	2.386498
tsd_unemp_cng	-.0257217	.1472701	-0.17	0.861	-.3143948	.2629515
pial	-.0007138	.0002983	-2.39	0.017	-.0012985	-.000129
pia_miss	-1.002676	.2880713	-3.48	0.001	-1.567343	-.4380095
ime1	.0002311	.000092	2.51	0.012	.0000509	.0004113
ime_miss	.4278617	.1760972	2.43	0.015	.0826827	.7730406
_cons	-2.164423	6.189453	-0.35	0.727	-14.29675	9.967908

(1) motoimm = 0

F(1, 11976) = 0.47
 Prob > F = 0.4931

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_unemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity

note: st_HI omitted because of collinearity

note: st_IA omitted because of collinearity

note: st_ID omitted because of collinearity

note: st_IL omitted because of collinearity

note: st_IN omitted because of collinearity

note: st_KS omitted because of collinearity

note: st_KY omitted because of collinearity

note: st_LA omitted because of collinearity

note: st_MA omitted because of collinearity

note: st_MD omitted because of collinearity

note: st_ME omitted because of collinearity

note: st_MI omitted because of collinearity

note: st_MN omitted because of collinearity

note: st_MO omitted because of collinearity

note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(46, 11976) = 23.12
 Prob > F = 0.0000
 R-squared = 0.3261
 Root MSE = 4.2315

nstw36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0147797	.0328448	0.45	0.653	-.0496015	.0791609
male	.2014593	.0809367	2.49	0.013	.0428103	.3601084
gendermiss_flag	0	(omitted)				
tsd_age	-.0367936	.0091444	-4.02	0.000	-.054718	-.0188691
doage2	-.0005348	.0078618	-0.07	0.946	-.0159452	.0148757
doage2miss_flag	0	(omitted)				
race_a	.2004877	.3128409	0.64	0.522	-.4127311	.8137066
race_b	.3284521	.1129545	2.91	0.004	.107043	.5498613
race_h	.4899181	.1428905	3.43	0.001	.2098296	.7700066
race_i	.5734612	1.112604	0.52	0.606	-1.607423	2.754345
race_o	.3091077	.3014881	1.03	0.305	-.2818578	.9000732
race_mis	.4315657	.2443992	1.77	0.077	-.0474963	.9106277
tsd_edu_hs	.3660696	.1072538	3.41	0.001	.1558349	.5763044
tsd_edu_mrhs	.7106858	.1343669	5.29	0.000	.4473049	.9740667
tsd_edu_mis	.3309021	.116997	2.83	0.005	.1015691	.5602352
tsd_mie_exp	-.090586	.2535677	-0.36	0.721	-.5876198	.4064477
tsd_mie_mis	-.0638287	.1314773	-0.49	0.627	-.3215456	.1938881
tsd_mie_psbl	-.2303199	.1316113	-1.75	0.080	-.4882994	.0276596
tsd_medicare	-.188053	.1111446	-1.69	0.091	-.4059145	.0298085
tsd_medicare_miss	-.8245762	.1697823	-4.86	0.000	-1.157377	-.4917754
tsd_depend_1	-.2880086	.1163689	-2.47	0.013	-.5161106	-.0599067
tsd_depend_2	-.2856414	.0987205	-2.89	0.004	-.4791496	-.0921332
tsd_depend_miss	.0279339	.2082723	0.13	0.893	-.3803135	.4361813
tsd_vrpr	.6145169	.1576336	3.90	0.000	.3055294	.9235044
tsd_vrpr_miss	.4891717	.1258143	3.89	0.000	.2425552	.7357882

pdgroup2	-.3372738	.1508144	-2.24	0.025	-.6328945	-.0416531
pdgroup3	.0453156	.143396	0.32	0.752	-.2357638	.326395
pdgroup4	.1260084	.1371206	0.92	0.358	-.1427701	.3947869
pdgroup5	-.381027	.2077919	-1.83	0.067	-.7883327	.0262787
cohort2000	-.1317494	.1776635	-0.74	0.458	-.4799987	.2164999
cohort2001	-.3257085	.2990656	-1.09	0.276	-.9119255	.2605086
cohort2002	-.6274835	.4146722	-1.51	0.130	-1.440308	.1853413
cohort2003	-.3234533	.4994835	-0.65	0.517	-1.302522	.6556154
cohort2004	.2653072	.5756868	0.46	0.645	-.8631322	1.393747
award_b4_tsd	.5042594	.2478434	2.03	0.042	.0184462	.9900725
diaward_tsd	-.0285576	.0129725	-2.20	0.028	-.0539859	-.0031294
epeb4twp_flag	-3.877726	.7366014	-5.26	0.000	-5.321584	-2.433868
ldwb4twp_flag	1.140053	6.679121	0.17	0.864	-11.95211	14.23221
ldwb4epe_flag	7.018337	2.632222	2.67	0.008	1.858756	12.17792
twpb4tsd	5.985464	.4566426	13.11	0.000	5.09037	6.880557
epeb4tsd	2.41951	.6977497	3.47	0.001	1.051808	3.787213
ldwb4tsd	15.85697	1.144603	13.85	0.000	13.61336	18.10058
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				

st_VT		0	(omitted)				
st_WA		0	(omitted)				
st_WI		0	(omitted)				
st_WV		0	(omitted)				
st_WY		0	(omitted)				
tsd_unemp_mean		.722166	1.677722	0.43	0.667	-2.56644	4.010772
tsd_unemp_cng		.0050033	.2536456	0.02	0.984	-.4921832	.5021898
pial		-.0007874	.0004432	-1.78	0.076	-.0016561	.0000812
pia_miss		-1.318818	.4126585	-3.20	0.001	-2.127696	-.5099408
ime1		.0002656	.0001363	1.95	0.051	-1.51e-06	.0005327
ime_miss		.3004663	.255878	1.17	0.240	-.201096	.8020286
_cons		-2.543623	10.51033	-0.24	0.809	-23.14558	18.05833

(1) motoimm = 0

F(1, 11976) = 0.20
 Prob > F = 0.6527

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_unemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity

note: st_HI omitted because of collinearity

note: st_IA omitted because of collinearity

note: st_ID omitted because of collinearity

note: st_IL omitted because of collinearity

note: st_IN omitted because of collinearity

note: st_KS omitted because of collinearity

note: st_KY omitted because of collinearity

note: st_LA omitted because of collinearity

note: st_MA omitted because of collinearity

note: st_MD omitted because of collinearity

note: st_ME omitted because of collinearity

note: st_MI omitted because of collinearity

note: st_MN omitted because of collinearity

note: st_MO omitted because of collinearity

note: st_MS omitted because of collinearity

note: st_MT omitted because of collinearity

note: st_NC omitted because of collinearity

note: st_ND omitted because of collinearity

note: st_NE omitted because of collinearity

note: st_NH omitted because of collinearity

note: st_NJ omitted because of collinearity

note: st_NM omitted because of collinearity

note: st_NV omitted because of collinearity

note: st_NY omitted because of collinearity

note: st_OH omitted because of collinearity

note: st_OK omitted because of collinearity

note: st_OR omitted because of collinearity

note: st_PA omitted because of collinearity

note: st_PR omitted because of collinearity

note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(46, 11976) = 25.47
 Prob > F = 0.0000
 R-squared = 0.2813
 Root MSE = 6.1974

nstw48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0043951	.048181	0.09	0.927	-.0900475	.0988377
male	.2838864	.1184934	2.40	0.017	.0516201	.5161526
gendermiss_flag	0	(omitted)				
tsd_age	-.0667433	.0133768	-4.99	0.000	-.0929639	-.0405226
doage2	-.0018798	.0115731	-0.16	0.871	-.0245649	.0208053
doage2miss_flag	0	(omitted)				
race_a	.3795292	.4607666	0.82	0.410	-.523648	1.282706
race_b	.5923275	.1638504	3.62	0.000	.2711542	.9135007
race_h	.699443	.2119263	3.30	0.001	.284033	1.114853
race_i	1.392447	1.698155	0.82	0.412	-1.936211	4.721106
race_o	.617203	.4588688	1.35	0.179	-.2822542	1.51666
race_mis	.7680038	.3606978	2.13	0.033	.0609777	1.47503
tsd_edu_hs	.5482516	.1578292	3.47	0.001	.2388808	.8576225
tsd_edu_mrhs	1.104878	.197069	5.61	0.000	.7185905	1.491165
tsd_edu_mis	.5290394	.17107	3.09	0.002	.1937144	.8643644
tsd_mie_exp	-.2002632	.3606645	-0.56	0.579	-.9072241	.5066977
tsd_mie_mis	-.0897795	.1910924	-0.47	0.638	-.4643515	.2847925
tsd_mie_psbl	-.3195558	.1900721	-1.68	0.093	-.692128	.0530163
tsd_medicare	-.2293831	.161215	-1.42	0.155	-.5453906	.0866244
tsd_medicare_miss	-1.273881	.2564492	-4.97	0.000	-1.776563	-.7711985
tsd_depend_1	-.4444874	.1709085	-2.60	0.009	-.7794957	-.1094791
tsd_depend_2	-.4432535	.1456405	-3.04	0.002	-.7287325	-.1577746
tsd_depend_miss	.0142421	.3102467	0.05	0.963	-.5938917	.6223759
tsd_vrpr	.9826936	.2323046	4.23	0.000	.5273389	1.438048
tsd_vrpr_miss	.625537	.1852808	3.38	0.001	.2623565	.9887174
pdcgrou2	-.5809523	.2209075	-2.63	0.009	-1.013967	-.1479378
pdcgrou3	.0461554	.2144896	0.22	0.830	-.3742789	.4665897
pdcgrou4	.0884065	.2013507	0.44	0.661	-.3062736	.4830866
pdcgrou5	-.7409302	.3332585	-2.22	0.026	-1.394171	-.0876895
cohort2000	-.2058002	.2578894	-0.80	0.425	-.7113053	.2997049
cohort2001	-.5739745	.4382372	-1.31	0.190	-1.43299	.2850414
cohort2002	-.8282897	.6203125	-1.34	0.182	-2.044203	.3876234
cohort2003	-.5355184	.7434301	-0.72	0.471	-1.992762	.9217252
cohort2004	.2032164	.797399	0.25	0.799	-1.359815	1.766248
award_b4_tsd	.7090069	.3913201	1.81	0.070	-.0580439	1.476058
diaward_tsd	-.0431428	.0190719	-2.26	0.024	-.0805268	-.0057588
epeb4twp_flag	-5.306426	1.007732	-5.27	0.000	-7.281745	-3.331107
ldwb4twp_flag	.1507793	9.911206	0.02	0.988	-19.27679	19.57835
ldwb4epe_flag	10.81063	3.379325	3.20	0.001	4.186608	17.43466
twpb4tsd	8.360537	.6348491	13.17	0.000	7.11613	9.604944

epeb4tsd	2.746442	.9489875	2.89	0.004	.8862731	4.606612
ldwb4tsd	20.04136	1.550227	12.93	0.000	17.00267	23.08006
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				
st_WY	0	(omitted)				
tsd_unemp_mean	.4518507	2.466103	0.18	0.855	-4.38211	5.285811
tsd_unemp_cng	.030265	.378255	0.08	0.936	-.7111761	.7717061
pial	-.0007232	.0006041	-1.20	0.231	-.0019073	.0004609
pia_miss	-1.665386	.547427	-3.04	0.002	-2.738432	-.5923403
ime1	.0002264	.0001846	1.23	0.220	-.0001355	.0005883
ime_miss	-.0429161	.3418905	-0.13	0.900	-.7130768	.6272447
_cons	.8765575	15.44225	0.06	0.955	-29.39276	31.14587

(1) motoimm = 0

F(1, 11976) = 0.01
 Prob > F = 0.9273

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_unemp.xls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
 F(46, 49) = .
 Prob > F = .
 R-squared = 0.1205
 Root MSE = .14389

(Std. Err. adjusted for 50 clusters in tsd_state)

ldwroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0002627	.0006302	0.42	0.679	-.0010036	.0015291
male	.0017046	.0011286	1.51	0.137	-.0005635	.0039727
gendermiss_flag	-.0102828	.0025241	-4.07	0.000	-.0153552	-.0052105
tsd_age	-.0008005	.0001479	-5.41	0.000	-.0010977	-.0005034
doage2	-.0000886	.0001343	-0.66	0.512	-.0003585	.0001812
doage2miss_flag	.0014693	.005969	0.25	0.807	-.0105259	.0134644
race_a	.0024966	.0041518	0.60	0.550	-.0058468	.0108399
race_b	.0092734	.0040847	2.27	0.028	.0010649	.0174819
race_h	-.0001211	.001647	-0.07	0.942	-.0034308	.0031886
race_i	-.0041833	.0051154	-0.82	0.417	-.0144632	.0060965
race_o	.0032667	.0065367	0.50	0.619	-.0098692	.0164026
race_mis	-.0020576	.004032	-0.51	0.612	-.0101603	.0060451
tsd_edu_hs	.0022864	.0012499	1.83	0.073	-.0002253	.0047982
tsd_edu_mrhs	.00855	.0017207	4.97	0.000	.0050921	.0120078
tsd_edu_mis	.0058274	.0018531	3.14	0.003	.0021034	.0095513
tsd_mie_exp	.006455	.0041428	1.56	0.126	-.0018704	.0147803
tsd_mie_mis	.0016548	.0024158	0.68	0.497	-.0032	.0065096
tsd_mie_psbl	-.0010867	.0023642	-0.46	0.648	-.0058376	.0036643
tsd_medicare	-.0086816	.0012505	-6.94	0.000	-.0111947	-.0061686
tsd_medicare_miss	-.0082124	.0022276	-3.69	0.001	-.0126888	-.0037359
tsd_depend_1	.0000891	.0014984	0.06	0.953	-.002922	.0031002
tsd_depend_2	-.0030696	.0023303	-1.32	0.194	-.0077524	.0016133
tsd_depend_miss	.000456	.0028638	0.16	0.874	-.005299	.0062111
tsd_vrpr	.0098425	.0025513	3.86	0.000	.0047154	.0149696
tsd_vrpr_miss	.0114922	.002814	4.08	0.000	.0058372	.0171473
pdcgrou2	.0000905	.0016589	0.05	0.957	-.0032432	.0034242
pdcgrou3	.0036271	.003286	1.10	0.275	-.0029763	.0102305
pdcgrou4	.0041877	.001972	2.12	0.039	.0002247	.0081506
pdcgrou5	.0202009	.0258056	0.78	0.438	-.0316574	.0720592
cohort2000	.0030034	.0028606	1.05	0.299	-.0027451	.008752
cohort2001	.0019381	.005572	0.35	0.729	-.0092592	.0131354
cohort2002	.0001579	.0054886	0.03	0.977	-.0108718	.0111876
cohort2003	.0024487	.0082083	0.30	0.767	-.0140465	.018944
cohort2004	.0062247	.0077572	0.80	0.426	-.0093639	.0218134
award_b4_tsd	-.0048164	.0033844	-1.42	0.161	-.0116175	.0019847
diaward_tsd	-.0002389	.0001991	-1.20	0.236	-.000639	.0001612
epeb4twp_flag	-.0355909	.0379229	-0.94	0.353	-.1117998	.0406181
ldwb4twp_flag	.3037721	.097482	3.12	0.003	.1078747	.4996696
ldwb4epe_flag	.092815	.024717	3.76	0.000	.0431443	.1424857
twpb4tsd	.1829273	.0070153	26.08	0.000	.1688294	.1970252
epeb4tsd	.1065863	.0121741	8.76	0.000	.0821215	.1310511
ldwb4tsd	-.1534154	.0083277	-18.42	0.000	-.1701505	-.1366803

st_AL	-.0588456	.0162031	-3.63	0.001	-.0914069	-.0262843
st_AR	.0164859	.016107	1.02	0.311	-.0158823	.0488542
st_AZ	-.0154457	.0097303	-1.59	0.119	-.0349995	.0041081
st_CA	.0465366	.005662	8.22	0.000	.0351585	.0579147
st_CO	-.0305743	.0149076	-2.05	0.046	-.0605323	-.0006164
st_CT	-.0680468	.0208864	-3.26	0.002	-.1100196	-.0260741
st_DC	.3291324	.007033	46.80	0.000	.3149992	.3432657
st_DE	-.0788423	.0274011	-2.88	0.006	-.1339069	-.0237776
st_FL	-.0202723	.0146704	-1.38	0.173	-.0497536	.009209
st_GA	-.0535469	.0204426	-2.62	0.012	-.0946279	-.0124659
st_HI	-.077781	.0287461	-2.71	0.009	-.1355485	-.0200136
st_IA	-.0771307	.0255193	-3.02	0.004	-.1284137	-.0258478
st_ID	-.073962	.0153564	-4.82	0.000	-.1048218	-.0431022
st_IL	.002012	.0057924	0.35	0.730	-.0096282	.0136522
st_IN	-.038777	.0182279	-2.13	0.038	-.0754074	-.0021466
st_KS	-.0547903	.0166489	-3.29	0.002	-.0882476	-.0213331
st_KY	-.0547866	.0140555	-3.90	0.000	-.0830322	-.026541
st_LA	.0132468	.0129878	1.02	0.313	-.0128533	.0393468
st_MA	-.0346304	.0142576	-2.43	0.019	-.0632821	-.0059787
st_MD	-.0490238	.0229757	-2.13	0.038	-.0951952	-.0028523
st_ME	.0214006	.0219112	0.98	0.334	-.0226316	.0654328
st_MI	.0127735	.0102228	1.25	0.217	-.00777	.033317
st_MN	-.0852848	.0229463	-3.72	0.001	-.1313971	-.0391725
st_MO	-.0083525	.0164418	-0.51	0.614	-.0413936	.0246886
st_MS	-.0186898	.0087658	-2.13	0.038	-.0363055	-.0010742
st_MT	-.0620605	.0225548	-2.75	0.008	-.1073862	-.0167349
st_NC	-.0299136	.0093718	-3.19	0.002	-.0487469	-.0110802
st_ND	0	(omitted)				
st_NE	-.1303577	.0286802	-4.55	0.000	-.1879927	-.0727226
st_NH	-.1095709	.0202591	-5.41	0.000	-.1502831	-.0688587
st_NJ	-.0358182	.0121346	-2.95	0.005	-.0602037	-.0114328
st_NM	-.0550485	.0136367	-4.04	0.000	-.0824524	-.0276445
st_NV	-.017086	.0149962	-1.14	0.260	-.0472221	.01305
st_NY	0	(omitted)				
st_OH	-.0469393	.0122939	-3.82	0.000	-.0716449	-.0222337
st_OK	-.0551202	.0197323	-2.79	0.007	-.0947737	-.0154667
st_OR	.0225106	.0035292	6.38	0.000	.0154184	.0296028
st_PA	-.0243702	.0139268	-1.75	0.086	-.0523572	.0036168
st_PR	.1448052	.0378957	3.82	0.000	.0686509	.2209594
st_RI	.0844139	.0163204	5.17	0.000	.0516167	.117211
st_SC	-.0234127	.0121056	-1.93	0.059	-.0477399	.0009144
st_SD	-.1514279	.032421	-4.67	0.000	-.2165802	-.0862755
st_TN	-.0222461	.0196443	-1.13	0.263	-.0617228	.0172307
st_TX	.0047675	.0072124	0.66	0.512	-.0097263	.0192613
st_UT	-.0512141	.0120765	-4.24	0.000	-.0754827	-.0269456
st_VA	-.0252907	.024617	-1.03	0.309	-.0747604	.0241789
st_VT	-.0769028	.0245471	-3.13	0.003	-.1262321	-.0275735
st_WA	.0908073	.0039671	22.89	0.000	.082835	.0987795
st_WI	-.0337021	.0170168	-1.98	0.053	-.0678985	.0004944
st_WV	-.0221602	.0099899	-2.22	0.031	-.0422357	-.0020846
st_WY	-.0884518	.0265684	-3.33	0.002	-.1418429	-.0350606
tsd_unemp_mean	-.0283729	.0075209	-3.77	0.000	-.0434867	-.0132591
tsd_unemp_cng	.0087068	.00743	1.17	0.247	-.0062242	.0236379
pial	-.0000201	6.64e-06	-3.03	0.004	-.0000334	-6.77e-06
pia_miss	-.0340118	.0066442	-5.12	0.000	-.0473638	-.0206599
ime1	8.43e-06	2.39e-06	3.53	0.001	3.63e-06	.0000132
ime_miss	.0104313	.0034616	3.01	0.004	.003475	.0173876
_cons	.2187518	.0556801	3.93	0.000	.1068585	.330645

(1) motoimm = 0

F(1, 49) = 0.17

Prob > F = 0.6785

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
 F(46, 49) = .
 Prob > F = .
 R-squared = 0.1156
 Root MSE = .19585

(Std. Err. adjusted for 50 clusters in tsd_state)

ldwroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0006372	.0009277	-0.69	0.495	-.0025015	.0012271
male	.0020781	.0020289	1.02	0.311	-.001999	.0061553
gendermiss_flag	-.0163715	.0035314	-4.64	0.000	-.0234682	-.0092748
tsd_age	-.0017343	.0001591	-10.90	0.000	-.002054	-.0014147
doage2	-.0000431	.0001512	-0.29	0.777	-.0003469	.0002607
doage2miss_flag	-.0122488	.0114777	-1.07	0.291	-.0353141	.0108166
race_a	.0082448	.0054549	1.51	0.137	-.0027172	.0192067
race_b	.014683	.0048936	3.00	0.004	.0048491	.024517
race_h	.0074558	.0040224	1.85	0.070	-.0006275	.015539
race_i	.0001291	.0067289	0.02	0.985	-.0133931	.0136514
race_o	-.0078907	.0085182	-0.93	0.359	-.0250087	.0092273
race_mis	.0088667	.0076851	1.15	0.254	-.0065771	.0243105
tsd_edu_hs	.0021783	.0016995	1.28	0.206	-.001237	.0055935
tsd_edu_mrhs	.0190195	.0028188	6.75	0.000	.013355	.024684
tsd_edu_mis	.0112639	.0023869	4.72	0.000	.0064672	.0160607
tsd_mie_exp	.0078305	.0056569	1.38	0.173	-.0035376	.0191985
tsd_mie_mis	-.002321	.0039707	-0.58	0.562	-.0103003	.0056583
tsd_mie_psbl	-.0014522	.0033551	-0.43	0.667	-.0081945	.0052901
tsd_medicare	-.0112291	.0016835	-6.67	0.000	-.0146122	-.007846
tsd_medicare_miss	-.0279449	.0032735	-8.54	0.000	-.0345232	-.0213667
tsd_depend_1	-.0086354	.0018237	-4.74	0.000	-.0123002	-.0049706
tsd_depend_2	-.0081166	.0026627	-3.05	0.004	-.0134676	-.0027656
tsd_depend_miss	-.009093	.0054387	-1.67	0.101	-.0200225	.0018366
tsd_vrpr	.0155383	.0038836	4.00	0.000	.007734	.0233426
tsd_vrpr_miss	.0114382	.0042964	2.66	0.010	.0028043	.0200721
pdcgrou2	-.0084786	.0021356	-3.97	0.000	-.0127702	-.004187
pdcgrou3	.0042992	.0031902	1.35	0.184	-.0021116	.0107101
pdcgrou4	.0042195	.0021334	1.98	0.054	-.0000677	.0085066
pdcgrou5	.0119578	.0261531	0.46	0.650	-.0405989	.0645145
cohort2000	-.0025351	.0031202	-0.81	0.420	-.0088054	.0037352
cohort2001	-.0084872	.0068962	-1.23	0.224	-.0223457	.0053712
cohort2002	-.0061892	.0106182	-0.58	0.563	-.0275272	.0151488
cohort2003	.0091941	.0105998	0.87	0.390	-.0121071	.0304952
cohort2004	-.0117704	.0136787	-0.86	0.394	-.0392588	.015718
award_b4_tsd	.0051802	.0066881	0.77	0.442	-.00826	.0186203
diaward_tsd	-.0009469	.0002846	-3.33	0.002	-.0015187	-.000375
epeb4twp_flag	-.037878	.0421974	-0.90	0.374	-.1226768	.0469209
ldwb4twp_flag	.2723374	.1098906	2.48	0.017	.0515039	.4931709
ldwb4epe_flag	.3284997	.0446489	7.36	0.000	.2387743	.418225
twpb4tsd	.2401043	.010629	22.59	0.000	.2187445	.261464
epeb4tsd	.1026032	.0101643	10.09	0.000	.0821774	.1230291
ldwb4tsd	-.1952961	.0085223	-22.92	0.000	-.2124222	-.1781699
st_AL	-.0721318	.0249579	-2.89	0.006	-.1222865	-.0219771
st_AR	-.0412341	.0243444	-1.69	0.097	-.0901561	.0076878

st_AZ	-.0330492	.0145179	-2.28	0.027	-.0622241	-.0038743
st_CA	.0467097	.008478	5.51	0.000	.0296726	.0637468
st_CO	-.0649573	.0225492	-2.88	0.006	-.1102716	-.019643
st_CT	-.0941174	.0294907	-3.19	0.002	-.1533811	-.0348536
st_DC	.2950836	.010278	28.71	0.000	.2744291	.3157381
st_DE	-.1538957	.0410085	-3.75	0.000	-.2363053	-.0714861
st_FL	-.0578921	.0226645	-2.55	0.014	-.1034381	-.0123461
st_GA	-.1150199	.0306093	-3.76	0.000	-.1765315	-.0535082
st_HI	-.1871826	.0444994	-4.21	0.000	-.2766075	-.0977578
st_IA	-.1594776	.0376865	-4.23	0.000	-.2352114	-.0837437
st_ID	-.1369596	.0227126	-6.03	0.000	-.1826022	-.091317
st_IL	.0002341	.0087674	0.03	0.979	-.0173846	.0178527
st_IN	-.0388277	.0280292	-1.39	0.172	-.0951545	.0174992
st_KS	-.1152651	.0250974	-4.59	0.000	-.1657003	-.0648299
st_KY	-.1101117	.0216248	-5.09	0.000	-.1535684	-.066655
st_LA	.0512987	.0203442	2.52	0.015	.0104155	.0921819
st_MA	-.0606714	.0209525	-2.90	0.006	-.1027771	-.0185657
st_MD	-.1454376	.0343838	-4.23	0.000	-.2145344	-.0763407
st_ME	-.0597986	.0322569	-1.85	0.070	-.1246212	.0050241
st_MI	-.0321651	.0154545	-2.08	0.043	-.0632221	-.0011082
st_MN	-.1393437	.0349484	-3.99	0.000	-.2095751	-.0691122
st_MO	-.0784634	.0246963	-3.18	0.003	-.1280925	-.0288344
st_MS	-.0583325	.0149393	-3.90	0.000	-.088354	-.0283109
st_MT	-.1694962	.0338038	-5.01	0.000	-.2374275	-.1015649
st_NC	-.0679232	.0147322	-4.61	0.000	-.0975287	-.0383177
st_ND	0	(omitted)				
st_NE	-.1853053	.0422348	-4.39	0.000	-.2701793	-.1004313
st_NH	-.1300513	.0297854	-4.37	0.000	-.1899074	-.0701953
st_NJ	-.0670635	.0185247	-3.62	0.001	-.1042903	-.0298367
st_NM	-.1102479	.0193728	-5.69	0.000	-.1491791	-.0713168
st_NV	-.0827074	.0233599	-3.54	0.001	-.1296509	-.0357638
st_NY	0	(omitted)				
st_OH	-.0667989	.0185541	-3.60	0.001	-.1040847	-.029513
st_OK	-.1168152	.0295082	-3.96	0.000	-.1761142	-.0575162
st_OR	.0271041	.0045814	5.92	0.000	.0178974	.0363108
st_PA	-.0832136	.0211034	-3.94	0.000	-.1256224	-.0408048
st_PR	.2785743	.0558494	4.99	0.000	.1663407	.3908078
st_RI	.017259	.023618	0.73	0.468	-.0302031	.0647211
st_SC	-.0596436	.0187097	-3.19	0.002	-.0972422	-.0220451
st_SD	-.1386546	.0491369	-2.82	0.007	-.237399	-.0399102
st_TN	-.1001905	.0301611	-3.32	0.002	-.1608014	-.0395795
st_TX	-.027377	.0110448	-2.48	0.017	-.0495722	-.0051817
st_UT	-.1051844	.0185566	-5.67	0.000	-.1424753	-.0678936
st_VA	-.0827223	.0370485	-2.23	0.030	-.157174	-.0082706
st_VT	-.1529737	.0360729	-4.24	0.000	-.2254648	-.0804825
st_WA	.0741121	.0057381	12.92	0.000	.0625809	.0856432
st_WI	-.0839887	.025668	-3.27	0.002	-.1355705	-.0324068
st_WV	-.0591508	.0151148	-3.91	0.000	-.0895252	-.0287765
st_WY	-.1955892	.039347	-4.97	0.000	-.2746599	-.1165184
tsd_unemp_mean	-.0559489	.011095	-5.04	0.000	-.0782451	-.0336528
tsd_unemp_cng	-.0152145	.0126142	-1.21	0.234	-.0405636	.0101346
pial	-.0000209	9.73e-06	-2.15	0.037	-.0000405	-1.35e-06
pia_miss	-.0373582	.0088631	-4.22	0.000	-.0551693	-.0195471
ime1	8.40e-06	3.60e-06	2.33	0.024	1.16e-06	.0000156
ime_miss	.0002182	.0051884	0.04	0.967	-.0102083	.0106448
_cons	.4798452	.0830447	5.78	0.000	.3129605	.6467299

(1) motoimm = 0

F(1, 49) = 0.47
 Prob > F = 0.4954

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression Number of obs = 43043
 F(46, 49) = .
 Prob > F = .
 R-squared = 0.1124
 Root MSE = .23207

(Std. Err. adjusted for 50 clusters in tsd_state)

ldwroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0017553	.001265	-1.39	0.172	-.0042975	.0007868
male	.0035686	.002556	1.40	0.169	-.0015679	.0087052
gendermiss_flag	-.025696	.0031386	-8.19	0.000	-.0320033	-.0193888
tsd_age	-.0025608	.0002006	-12.76	0.000	-.002964	-.0021576
doage2	-.0001281	.0001501	-0.85	0.398	-.0004297	.0001736
doage2miss_flag	-.0297963	.0180683	-1.65	0.106	-.0661058	.0065133
race_a	.0016428	.0077003	0.21	0.832	-.0138314	.0171171
race_b	.0217954	.0040226	5.42	0.000	.0137117	.0298792
race_h	.0131462	.0061851	2.13	0.039	.0007169	.0255756
race_i	.0036926	.0129525	0.29	0.777	-.0223364	.0297215
race_o	-.0133433	.0075329	-1.77	0.083	-.0284812	.0017947
race_mis	.0074279	.008381	0.89	0.380	-.0094144	.0242702
tsd_edu_hs	.0054922	.0024094	2.28	0.027	.0006504	.0103341
tsd_edu_mrhs	.0302459	.0038574	7.84	0.000	.0224941	.0379977
tsd_edu_mis	.0172208	.0032997	5.22	0.000	.0105897	.0238519
tsd_mie_exp	.0046378	.0056791	0.82	0.418	-.0067747	.0160504
tsd_mie_mis	-.0039718	.0046815	-0.85	0.400	-.0133796	.0054361
tsd_mie_psbl	-.0056402	.0036029	-1.57	0.124	-.0128806	.0016001
tsd_medicare	-.0139973	.0019749	-7.09	0.000	-.017966	-.0100287
tsd_medicare_miss	-.0397357	.0028892	-13.75	0.000	-.0455418	-.0339297
tsd_depend_1	-.0118686	.0025925	-4.58	0.000	-.0170786	-.0066587
tsd_depend_2	-.0080419	.0018939	-4.25	0.000	-.0118478	-.0042361
tsd_depend_miss	-.0153295	.0081873	-1.87	0.067	-.0317826	.0011235
tsd_vrpr	.0125278	.0056471	2.22	0.031	.0011795	.023876
tsd_vrpr_miss	-.0031758	.0060342	-0.53	0.601	-.015302	.0089503
pdgroup2	-.0148603	.0026912	-5.52	0.000	-.0202685	-.0094521
pdgroup3	.0014437	.003324	0.43	0.666	-.0052361	.0081234
pdgroup4	.0009594	.0030548	0.31	0.755	-.0051795	.0070982
pdgroup5	.001204	.026786	0.04	0.964	-.0526244	.0550324
cohort2000	.0000674	.0027964	0.02	0.981	-.0055521	.0056869
cohort2001	-.0025779	.0069888	-0.37	0.714	-.0166225	.0114666
cohort2002	-.0002648	.0085752	-0.03	0.975	-.0174972	.0169677
cohort2003	.0425797	.0119962	3.55	0.001	.0184724	.0666871
cohort2004	.019913	.0131481	1.51	0.136	-.0065091	.0463351
award_b4_tsd	.0153957	.0090257	1.71	0.094	-.002742	.0335335
diaward_tsd	-.0009628	.0003347	-2.88	0.006	-.0016353	-.0002903
epeb4twp_flag	-.0443046	.0442914	-1.00	0.322	-.1333114	.0447023
ldwb4twp_flag	.2500848	.1135587	2.20	0.032	.0218799	.4782896
ldwb4epe_flag	.4369904	.053159	8.22	0.000	.3301633	.5438174
twpb4tsd	.2694243	.01366	19.72	0.000	.2419734	.2968751
epeb4tsd	.0937638	.0096204	9.75	0.000	.0744309	.1130967
ldwb4tsd	-.2213823	.0079439	-27.87	0.000	-.2373461	-.2054185
st_AL	-.1640048	.0292103	-5.61	0.000	-.222705	-.1053046
st_AR	-.130938	.0291679	-4.49	0.000	-.189553	-.072323
st_AZ	-.1110775	.0173449	-6.40	0.000	-.1459333	-.0762217

st_CA	-.0356886	.0098592	-3.62	0.001	-.0555014	-.0158757
st_CO	-.1443337	.0265342	-5.44	0.000	-.1976561	-.0910113
st_CT	-.1671098	.0388582	-4.30	0.000	-.2451982	-.0890215
st_DC	.1687758	.0106828	15.80	0.000	.1473079	.1902437
st_DE	-.1927917	.0491865	-3.92	0.000	-.2916358	-.0939477
st_FL	-.1387053	.0260239	-5.33	0.000	-.1910022	-.0864084
st_GA	-.1808062	.036193	-5.00	0.000	-.2535387	-.1080738
st_HI	-.2601388	.0505586	-5.15	0.000	-.3617401	-.1585374
st_IA	-.2043884	.0461433	-4.43	0.000	-.2971168	-.1116599
st_ID	-.2319639	.0273226	-8.49	0.000	-.2868707	-.177057
st_IL	-.0946672	.0101352	-9.34	0.000	-.1150346	-.0742998
st_IN	-.0942663	.033286	-2.83	0.007	-.1611571	-.0273755
st_KS	-.2008385	.0303981	-6.61	0.000	-.2619257	-.1397512
st_KY	-.1516077	.0252768	-6.00	0.000	-.2024034	-.1008119
st_LA	-.0507398	.0241534	-2.10	0.041	-.0992778	-.0022017
st_MA	-.1296138	.0259489	-4.99	0.000	-.18176	-.0774677
st_MD	-.1698193	.0408531	-4.16	0.000	-.2519166	-.087722
st_ME	-.02471	.0392688	-0.63	0.532	-.1036236	.0542036
st_MI	-.118936	.0176451	-6.74	0.000	-.1543952	-.0834768
st_MN	-.1848557	.0411878	-4.49	0.000	-.2676258	-.1020856
st_MO	-.1749848	.0295754	-5.92	0.000	-.2344188	-.1155509
st_MS	.0490322	.0168456	2.91	0.005	.0151796	.0828848
st_MT	-.2670434	.0416987	-6.40	0.000	-.3508401	-.1832466
st_NC	-.1608381	.0164501	-9.78	0.000	-.1938958	-.1277804
st_ND	0	(omitted)				
st_NE	-.2468915	.0500408	-4.93	0.000	-.3474523	-.1463307
st_NH	-.1485389	.0370601	-4.01	0.000	-.223014	-.0740638
st_NJ	-.1100325	.0222433	-4.95	0.000	-.1547322	-.0653329
st_NM	-.2027279	.0235785	-8.60	0.000	-.2501108	-.1553451
st_NV	-.1562199	.0259546	-6.02	0.000	-.2083777	-.1040621
st_NY	0	(omitted)				
st_OH	-.1369007	.0222883	-6.14	0.000	-.1816906	-.0921108
st_OK	-.179163	.035532	-5.04	0.000	-.2505672	-.1077589
st_OR	-.0843693	.007016	-12.03	0.000	-.0984686	-.07027
st_PA	-.141355	.0253397	-5.58	0.000	-.192277	-.090433
st_PR	.0512996	.0690855	0.74	0.461	-.0875329	.1901321
st_RI	-.0733542	.0297848	-2.46	0.017	-.133209	-.0134994
st_SC	-.149803	.0218514	-6.86	0.000	-.1937151	-.1058909
st_SD	-.05274	.0602931	-0.87	0.386	-.1739036	.0684236
st_TN	-.1124734	.0343776	-3.27	0.002	-.1815577	-.0433891
st_TX	-.1394075	.0134755	-10.35	0.000	-.1664876	-.1123274
st_UT	-.2113844	.021829	-9.68	0.000	-.2552515	-.1675173
st_VA	-.1184621	.0446159	-2.66	0.011	-.2081211	-.0288031
st_VT	-.1943213	.0446601	-4.35	0.000	-.2840691	-.1045735
st_WA	-.0270588	.0076138	-3.55	0.001	-.0423593	-.0117583
st_WI	-.1634525	.030081	-5.43	0.000	-.2239026	-.1030024
st_WV	-.1573443	.0187087	-8.41	0.000	-.194941	-.1197477
st_WY	-.268609	.0469406	-5.72	0.000	-.3629395	-.1742784
tsd_unemp_mean	-.0378588	.0138365	-2.74	0.009	-.0656643	-.0100533
tsd_unemp_cng	-.0204258	.0136089	-1.50	0.140	-.0477738	.0069222
pial	-.0000206	8.85e-06	-2.33	0.024	-.0000384	-2.84e-06
pia_miss	-.0458988	.0098987	-4.64	0.000	-.065791	-.0260066
ime1	8.48e-06	3.57e-06	2.37	0.022	1.30e-06	.0000157
ime_miss	-.0093779	.0059591	-1.57	0.122	-.0213531	.0025974
_cons	.518966	.1017149	5.10	0.000	.3145622	.7233697

(1) motoimm = 0

F(1, 49) = 1.93
 Prob > F = 0.1715

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs =	43043
F(46, 49) =	.
Prob > F =	.
R-squared =	0.1134
Root MSE =	.25613

(Std. Err. adjusted for 50 clusters in tsd_state)

ldwroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0021072	.0011748	-1.79	0.079	-.004468	.0002537
male	.0056693	.0030263	1.87	0.067	-.0004124	.0117509
gendermiss_flag	-.0345609	.0043974	-7.86	0.000	-.0433979	-.025724
tsd_age	-.0032766	.0002369	-13.83	0.000	-.0037527	-.0028005
doage2	-.0002488	.0001742	-1.43	0.160	-.0005989	.0001013
doage2miss_flag	.2907806	.2512994	1.16	0.253	-.2142244	.7957856
race_a	.004766	.0101866	0.47	0.642	-.0157048	.0252367
race_b	.0262295	.0046118	5.69	0.000	.0169618	.0354972
race_h	.0139034	.0068821	2.02	0.049	.0000732	.0277335
race_i	.0099699	.0176836	0.56	0.575	-.0255666	.0455064
race_o	-.0124061	.0073771	-1.68	0.099	-.0272308	.0024187
race_mis	.0102196	.0111023	0.92	0.362	-.0120912	.0325305
tsd_edu_hs	.0066736	.0021695	3.08	0.003	.0023138	.0110335
tsd_edu_mrhs	.0364008	.0048775	7.46	0.000	.026599	.0462025
tsd_edu_mis	.0172032	.0032199	5.34	0.000	.0107324	.0236739
tsd_mie_exp	.0111686	.0052444	2.13	0.038	.0006296	.0217075
tsd_mie_mis	-.0033612	.0045367	-0.74	0.462	-.012478	.0057555
tsd_mie_psbl	-.0067927	.003342	-2.03	0.048	-.0135087	-.0000768
tsd_medicare	-.0165046	.0024094	-6.85	0.000	-.0213464	-.0116628
tsd_medicare_miss	-.0505107	.003992	-12.65	0.000	-.058533	-.0424885
tsd_depend_1	-.0132252	.0042774	-3.09	0.003	-.0218209	-.0046295
tsd_depend_2	-.0072601	.0022862	-3.18	0.003	-.0118545	-.0026658
tsd_depend_miss	-.0254302	.0075789	-3.36	0.002	-.0406605	-.0101999
tsd_vrpr	.0049482	.0050008	0.99	0.327	-.0051013	.0149978
tsd_vrpr_miss	-.0186523	.0053065	-3.51	0.001	-.0293162	-.0079884
pdgroup2	-.0224516	.0028232	-7.95	0.000	-.028125	-.0167782
pdgroup3	.0022787	.0067925	0.34	0.739	-.0113713	.0159287
pdgroup4	-.0024557	.0036348	-0.68	0.502	-.0097602	.0048487
pdgroup5	-.0082363	.027091	-0.30	0.762	-.0626776	.046205
cohort2000	.001467	.0039921	0.37	0.715	-.0065554	.0094894
cohort2001	.0001831	.0090063	0.02	0.984	-.0179158	.018282
cohort2002	-.0011127	.0099777	-0.11	0.912	-.0211636	.0189383
cohort2003	.0597034	.0168263	3.55	0.001	.0258897	.0935172
cohort2004	.0369714	.0156656	2.36	0.022	.0054901	.0684527
award_b4_tsd	.0248524	.0082474	3.01	0.004	.0082786	.0414261
diaward_tsd	-.0009855	.0003829	-2.57	0.013	-.0017549	-.0002161
epeb4twp_flag	-.0791416	.0443413	-1.78	0.080	-.1682489	.0099656
ldwb4twp_flag	.3018851	.1010603	2.99	0.004	.0987968	.5049734
ldwb4epe_flag	.5644072	.0445811	12.66	0.000	.4748181	.6539963
twpb4tsd	.2870326	.0119015	24.12	0.000	.2631156	.3109496
epeb4tsd	.0791916	.009835	8.05	0.000	.0594275	.0989558
ldwb4tsd	-.2380863	.0077512	-30.72	0.000	-.253663	-.2225097
st_AL	-.3074826	.0332495	-9.25	0.000	-.3743001	-.2406652
st_AR	-.2716898	.0334886	-8.11	0.000	-.3389877	-.204392
st_AZ	-.2284302	.0197371	-11.57	0.000	-.2680933	-.1887671

st_CA	-.1388383	.0102753	-13.51	0.000	-.1594873	-.1181893
st_CO	-.2735305	.0300034	-9.12	0.000	-.3338246	-.2132364
st_CT	-.2873424	.049434	-5.81	0.000	-.3866837	-.1880011
st_DC	.0360559	.0108957	3.31	0.002	.01416	.0579517
st_DE	-.3338499	.0581634	-5.74	0.000	-.4507335	-.2169662
st_FL	-.2612545	.0284286	-9.19	0.000	-.3183838	-.2041252
st_GA	-.2781099	.0417758	-6.66	0.000	-.3620615	-.1941582
st_HI	-.4202196	.0576029	-7.30	0.000	-.5359769	-.3044623
st_IA	-.348128	.0559042	-6.23	0.000	-.4604718	-.2357843
st_ID	-.2282252	.0322365	-7.08	0.000	-.293007	-.1634435
st_IL	-.2062766	.0108838	-18.95	0.000	-.2281485	-.1844046
st_IN	-.2024807	.0376461	-5.38	0.000	-.2781334	-.1268279
st_KS	-.3401076	.0355393	-9.57	0.000	-.4115265	-.2686887
st_KY	-.233128	.0284379	-8.20	0.000	-.2902761	-.1759798
st_LA	-.1876502	.0272417	-6.89	0.000	-.2423944	-.132906
st_MA	-.2484626	.0315167	-7.88	0.000	-.3117978	-.1851274
st_MD	-.3225957	.0480974	-6.71	0.000	-.419251	-.2259404
st_ME	-.1755989	.048347	-3.63	0.001	-.2727559	-.0784419
st_MI	-.2291019	.0189631	-12.08	0.000	-.2672096	-.1909942
st_MN	-.3393778	.0477027	-7.11	0.000	-.4352399	-.2435157
st_MO	-.2979333	.0346127	-8.61	0.000	-.3674902	-.2283764
st_MS	-.0884748	.0170221	-5.20	0.000	-.122682	-.0542676
st_MT	-.4370154	.049447	-8.84	0.000	-.536383	-.3376479
st_NC	-.2670262	.0163816	-16.30	0.000	-.2999463	-.2341062
st_ND	0	(omitted)				
st_NE	-.4011129	.0590898	-6.79	0.000	-.5198582	-.2823676
st_NH	-.2941055	.0448182	-6.56	0.000	-.3841711	-.20404
st_NJ	-.2458559	.0256202	-9.60	0.000	-.2973416	-.1943703
st_NM	-.3391417	.0282492	-12.01	0.000	-.3959106	-.2823728
st_NV	-.2651749	.027216	-9.74	0.000	-.3198675	-.2104822
st_NY	0	(omitted)				
st_OH	-.2719393	.0256922	-10.58	0.000	-.3235697	-.2203088
st_OK	-.3118996	.0417531	-7.47	0.000	-.3958057	-.2279935
st_OR	-.1937279	.0096072	-20.16	0.000	-.2130343	-.1744215
st_PA	-.2825944	.0291697	-9.69	0.000	-.3412131	-.2239757
st_PR	-.0165182	.0880286	-0.19	0.852	-.1934183	.1603819
st_RI	-.216957	.0359554	-6.03	0.000	-.289212	-.1447019
st_SC	-.2745843	.0244052	-11.25	0.000	-.3236283	-.2255404
st_SD	-.215093	.0718487	-2.99	0.004	-.3594785	-.0707076
st_TN	-.2613364	.0378473	-6.91	0.000	-.3373934	-.1852795
st_TX	-.2299281	.0149309	-15.40	0.000	-.2599327	-.1999234
st_UT	-.3528021	.0247956	-14.23	0.000	-.4026308	-.3029734
st_VA	-.274092	.0525486	-5.22	0.000	-.3796922	-.1684917
st_VT	-.3342688	.0547563	-6.10	0.000	-.4443057	-.2242319
st_WA	-.1192172	.0090609	-13.16	0.000	-.1374257	-.1010088
st_WI	-.2879762	.0341793	-8.43	0.000	-.3566621	-.2192904
st_WV	-.289622	.0223588	-12.95	0.000	-.3345537	-.2446903
st_WY	-.4263641	.0554486	-7.69	0.000	-.5377921	-.314936
tsd_unemp_mean	-.0478431	.0173277	-2.76	0.008	-.0826644	-.0130217
tsd_unemp_cng	-.030589	.0131406	-2.33	0.024	-.056996	-.004182
pial	-.000016	.0000113	-1.42	0.161	-.0000387	6.62e-06
pia_miss	-.0405659	.0092033	-4.41	0.000	-.0590606	-.0220712
ime1	5.87e-06	4.59e-06	1.28	0.207	-3.35e-06	.0000151
ime_miss	-.0227969	.0075181	-3.03	0.004	-.037905	-.0076887
_cons	.7563853	.1288541	5.87	0.000	.4974434	1.015327

(1) motoimm = 0

F(1, 49) = 3.22
 Prob > F = 0.0790

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs =	43043
F(46, 49) =	.
Prob > F =	.
R-squared =	0.1218
Root MSE =	.15748

(Std. Err. adjusted for 50 clusters in tsd_state)

eperoll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0006112	.0007387	-0.83	0.412	-.0020956	.0008733
male	.0010105	.0006006	1.68	0.099	-.0001964	.0022174
gendermiss_flag	-.0056483	.0016614	-3.40	0.001	-.008987	-.0023095
tsd_age	-.0006588	.0001724	-3.82	0.000	-.0010052	-.0003124
doage2	-.0003059	.0001781	-1.72	0.092	-.0006638	.0000521
doage2miss_flag	-.0187563	.0128612	-1.46	0.151	-.0446018	.0070893
race_a	.0079249	.0079735	0.99	0.325	-.0080983	.0239482
race_b	.004278	.0014809	2.89	0.006	.0013021	.0072539
race_h	-.0050696	.0036341	-1.39	0.169	-.0123727	.0022335
race_i	.0024099	.0071386	0.34	0.737	-.0119356	.0167555
race_o	-.0126796	.0092171	-1.38	0.175	-.031202	.0058429
race_mis	.0012317	.0064638	0.19	0.850	-.0117579	.0142212
tsd_edu_hs	.0019743	.0021045	0.94	0.353	-.0022549	.0062036
tsd_edu_mrhs	.0099642	.001759	5.66	0.000	.0064293	.0134991
tsd_edu_mis	.0118761	.0022722	5.23	0.000	.0073101	.0164422
tsd_mie_exp	.0002129	.003598	0.06	0.953	-.0070175	.0074433
tsd_mie_mis	-.0013672	.0016377	-0.83	0.408	-.0046582	.0019238
tsd_mie_psbl	-.0033229	.0019314	-1.72	0.092	-.0072041	.0005584
tsd_medicare	-.00676	.0023108	-2.93	0.005	-.0114037	-.0021162
tsd_medicare_miss	-.0154781	.0053146	-2.91	0.005	-.0261582	-.0047981
tsd_depend_1	-.0064774	.0024197	-2.68	0.010	-.01134	-.0016148
tsd_depend_2	-.0088482	.0015067	-5.87	0.000	-.0118761	-.0058202
tsd_depend_miss	-.0221835	.0056306	-3.94	0.000	-.0334986	-.0108684
tsd_vrpr	.0153056	.0031964	4.79	0.000	.0088821	.021729
tsd_vrpr_miss	-.0004474	.0037246	-0.12	0.905	-.0079323	.0070374
pdgroup2	.0022808	.001927	1.18	0.242	-.0015917	.0061534
pdgroup3	-.0041421	.002554	-1.62	0.111	-.0092745	.0009904
pdgroup4	-.0028527	.0025744	-1.11	0.273	-.0080261	.0023207
pdgroup5	.0374515	.026951	1.39	0.171	-.0167085	.0916115
cohort2000	-.0100021	.0018851	-5.31	0.000	-.0137903	-.006214
cohort2001	-.0082358	.0041526	-1.98	0.053	-.0165807	.0001092
cohort2002	-.0082229	.0069007	-1.19	0.239	-.0220903	.0056446
cohort2003	-.0233904	.0074716	-3.13	0.003	-.0384051	-.0083758
cohort2004	-.0238007	.0074759	-3.18	0.003	-.038824	-.0087773
award_b4_tsd	-.0046319	.0074399	-0.62	0.536	-.0195829	.010319
diaward_tsd	-.0008493	.0001781	-4.77	0.000	-.0012072	-.0004913
epeb4twp_flag	.289001	.0961017	3.01	0.004	.0958774	.4821246
ldwb4twp_flag	-.0354551	.0392454	-0.90	0.371	-.1143217	.0434114
ldwb4epe_flag	.0954993	.0268728	3.55	0.001	.0414964	.1495021
twpb4tsd	.2345087	.0091021	25.76	0.000	.2162174	.2528
epeb4tsd	-.0927906	.0048652	-19.07	0.000	-.1025676	-.0830135
ldwb4tsd	-.0457728	.0030193	-15.16	0.000	-.0518402	-.0397054
st_AL	.0113289	.0202129	0.56	0.578	-.0292904	.0519482
st_AR	.0241644	.020423	1.18	0.242	-.0168772	.065206
st_AZ	-.0014132	.0125334	-0.11	0.911	-.0266	.0237735

st_CA	.0145681	.0070487	2.07	0.044	.0004032	.0287331
st_CO	-.0161734	.0185985	-0.87	0.389	-.0535485	.0212016
st_CT	.0281958	.0280323	1.01	0.319	-.0281372	.0845288
st_DC	-.0194099	.0084337	-2.30	0.026	-.0363581	-.0024618
st_DE	-.0387573	.0348222	-1.11	0.271	-.1087352	.0312206
st_FL	-.0117022	.0181849	-0.64	0.523	-.0482462	.0248418
st_GA	-.0301312	.0255494	-1.18	0.244	-.0814747	.0212123
st_HI	-.0618504	.0358321	-1.73	0.091	-.1338578	.010157
st_IA	-.0338078	.0324817	-1.04	0.303	-.0990823	.0314667
st_ID	.0774816	.0192768	4.02	0.000	.0387434	.1162199
st_IL	.0132435	.0072212	1.83	0.073	-.0012681	.0277551
st_IN	-.0368666	.0231398	-1.59	0.118	-.0833679	.0096346
st_KS	-.0293097	.0210471	-1.39	0.170	-.0716054	.0129859
st_KY	.002017	.0177809	0.11	0.910	-.033715	.037749
st_LA	-.0812442	.0167376	-4.85	0.000	-.1148797	-.0476087
st_MA	-.008584	.0187677	-0.46	0.649	-.046299	.029131
st_MD	-.0790466	.0284887	-2.77	0.008	-.1362967	-.0217964
st_ME	-.0389207	.0280494	-1.39	0.172	-.0952881	.0174467
st_MI	.0038967	.0126824	0.31	0.760	-.0215896	.029383
st_MN	.0017657	.0288144	0.06	0.951	-.0561391	.0596704
st_MO	.0080912	.0206689	0.39	0.697	-.0334445	.0496269
st_MS	-.0302173	.0114444	-2.64	0.011	-.0532157	-.007219
st_MT	-.0559857	.0277379	-2.02	0.049	-.111727	-.0002444
st_NC	-.0326739	.0111217	-2.94	0.005	-.0550238	-.010324
st_ND	0	(omitted)				
st_NE	-.0594154	.035426	-1.68	0.100	-.1306065	.0117757
st_NH	-.0889875	.0262396	-3.39	0.001	-.141718	-.0362569
st_NJ	-.0241935	.0155306	-1.56	0.126	-.0554034	.0070164
st_NM	-.0196801	.0168796	-1.17	0.249	-.053601	.0142408
st_NV	-.0225529	.0181069	-1.25	0.219	-.05894	.0138342
st_NY	0	(omitted)				
st_OH	-.0370347	.0154029	-2.40	0.020	-.067988	-.0060815
st_OK	-.0248505	.0252347	-0.98	0.330	-.0755616	.0258606
st_OR	.0181883	.0044031	4.13	0.000	.0093399	.0270368
st_PA	-.0625156	.017903	-3.49	0.001	-.0984931	-.0265381
st_PR	.0938958	.0499077	1.88	0.066	-.0063975	.1941892
st_RI	.0755409	.0218774	3.45	0.001	.0315765	.1195052
st_SC	-.0103781	.0154248	-0.67	0.504	-.0413753	.0206192
st_SD	.020088	.0412618	0.49	0.629	-.0628307	.1030067
st_TN	-.0544046	.0237057	-2.30	0.026	-.102043	-.0067662
st_TX	-.0013133	.0091885	-0.14	0.887	-.0197784	.0171517
st_UT	-.0454718	.0160734	-2.83	0.007	-.0777725	-.013171
st_VA	-.0387079	.0316893	-1.22	0.228	-.10239	.0249742
st_VT	-.0318759	.0315738	-1.01	0.318	-.0953258	.031574
st_WA	-.0294208	.0048819	-6.03	0.000	-.0392314	-.0196102
st_WI	-.0125586	.0210556	-0.60	0.554	-.0548715	.0297542
st_WV	-.0177054	.0128869	-1.37	0.176	-.0436025	.0081917
st_WY	-.060404	.0335713	-1.80	0.078	-.1278681	.0070602
tsd_unemp_mean	-.0163157	.0096747	-1.69	0.098	-.0357577	.0031263
tsd_unemp_cng	-.0059721	.0087397	-0.68	0.498	-.0235351	.011591
pial	1.20e-07	8.43e-06	0.01	0.989	-.0000168	.0000171
pia_miss	-.0056232	.0090396	-0.62	0.537	-.0237889	.0125425
ime1	1.23e-06	2.62e-06	0.47	0.642	-4.04e-06	6.50e-06
ime_miss	-.0051976	.0039596	-1.31	0.195	-.0131547	.0027596
_cons	.1762564	.0715566	2.46	0.017	.0324581	.3200548

(1) motoimm = 0

F(1, 49) = 0.68
 Prob > F = 0.4120

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs =	43043
F(46, 49) =	.
Prob > F =	.
R-squared =	0.1165
Root MSE =	.21094

(Std. Err. adjusted for 50 clusters in tsd_state)

eperoll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0011502	.0006936	-1.66	0.104	-.0025441	.0002437
male	.0011119	.0012463	0.89	0.377	-.0013927	.0036165
gendermiss_flag	-.0163566	.0027089	-6.04	0.000	-.0218003	-.0109129
tsd_age	-.0017595	.0002405	-7.32	0.000	-.0022428	-.0012762
doage2	-.0001038	.0002267	-0.46	0.649	-.0005594	.0003518
doage2miss_flag	.2940602	.2565634	1.15	0.257	-.2215233	.8096437
race_a	.0006886	.0084669	0.08	0.936	-.0163262	.0177034
race_b	.0100468	.0028503	3.52	0.001	.0043188	.0157747
race_h	-.0015651	.0065787	-0.24	0.813	-.0147855	.0116552
race_i	-.0084742	.0068312	-1.24	0.221	-.022202	.0052536
race_o	-.0184821	.0114548	-1.61	0.113	-.0415015	.0045372
race_mis	.0020528	.0053906	0.38	0.705	-.00878	.0128856
tsd_edu_hs	.0041001	.0035276	1.16	0.251	-.002989	.0111892
tsd_edu_mrhs	.0180313	.0033639	5.36	0.000	.0112712	.0247913
tsd_edu_mis	.0196045	.0035717	5.49	0.000	.0124269	.0267821
tsd_mie_exp	-.0029921	.0064425	-0.46	0.644	-.0159389	.0099546
tsd_mie_mis	-.0091643	.0034006	-2.69	0.010	-.0159981	-.0023305
tsd_mie_psbl	-.0094357	.0025669	-3.68	0.001	-.0145942	-.0042772
tsd_medicare	-.012058	.0028645	-4.21	0.000	-.0178145	-.0063015
tsd_medicare_miss	-.0323007	.0071463	-4.52	0.000	-.0466616	-.0179398
tsd_depend_1	-.0119186	.0040664	-2.93	0.005	-.0200905	-.0037468
tsd_depend_2	-.0117827	.0038202	-3.08	0.003	-.0194597	-.0041057
tsd_depend_miss	-.0390569	.0118618	-3.29	0.002	-.0628942	-.0152197
tsd_vrpr	.0199655	.0057098	3.50	0.001	.0084913	.0314397
tsd_vrpr_miss	-.010706	.0049634	-2.16	0.036	-.0206802	-.0007317
pdgroup2	.0014482	.003433	0.42	0.675	-.0054508	.0083471
pdgroup3	-.0064065	.0035494	-1.80	0.077	-.0135393	.0007264
pdgroup4	-.0004394	.0034947	-0.13	0.900	-.0074624	.0065835
pdgroup5	.0295858	.0274229	1.08	0.286	-.0255226	.0846942
cohort2000	-.0177573	.0026628	-6.67	0.000	-.0231084	-.0124061
cohort2001	-.0154608	.0050075	-3.09	0.003	-.0255238	-.0053979
cohort2002	-.0104681	.0082985	-1.26	0.213	-.0271445	.0062082
cohort2003	.0019668	.0090456	0.22	0.829	-.0162111	.0201446
cohort2004	-.0555989	.0099792	-5.57	0.000	-.0756528	-.0355449
award_b4_tsd	.0117948	.0089094	1.32	0.192	-.0061093	.0296989
diaward_tsd	-.0012516	.0001798	-6.96	0.000	-.001613	-.0008903
epeb4twp_flag	.3023476	.0939409	3.22	0.002	.1135663	.4911289
ldwb4twp_flag	-.0761292	.046197	-1.65	0.106	-.1689656	.0167072
ldwb4epe_flag	.2868855	.0458982	6.25	0.000	.1946496	.3791215
twpb4tsd	.2822986	.012167	23.20	0.000	.2578481	.3067491
epeb4tsd	-.1311432	.006265	-20.93	0.000	-.1437331	-.1185532
ldwb4tsd	-.0645522	.0038153	-16.92	0.000	-.0722192	-.0568851
st_AL	.0692802	.019797	3.50	0.001	.0294967	.1090638
st_AR	.0373823	.0201473	1.86	0.070	-.0031053	.0778698
st_AZ	.0256266	.0125095	2.05	0.046	.0004879	.0507654

st_CA	.0587761	.0082229	7.15	0.000	.0422515	.0753007
st_CO	.0149235	.0188759	0.79	0.433	-.0230091	.0528562
st_CT	.040549	.0247206	1.64	0.107	-.009129	.090227
st_DC	-.0373042	.0102843	-3.63	0.001	-.0579713	-.0166371
st_DE	.0052704	.0339395	0.16	0.877	-.0629336	.0734744
st_FL	.0142951	.0192778	0.74	0.462	-.024445	.0530353
st_GA	-.0195063	.0254621	-0.77	0.447	-.0706743	.0316617
st_HI	-.0499043	.0365279	-1.37	0.178	-.1233099	.0235013
st_IA	.0137433	.0304728	0.45	0.654	-.0474941	.0749807
st_ID	.0841922	.019641	4.29	0.000	.0447222	.1236623
st_IL	.0381093	.0079774	4.78	0.000	.0220781	.0541405
st_IN	.0019193	.0233091	0.08	0.935	-.044922	.0487606
st_KS	-.0170516	.0209295	-0.81	0.419	-.059111	.0250078
st_KY	.0615845	.0182202	3.38	0.001	.0249696	.0981994
st_LA	.0157409	.01681	0.94	0.354	-.01804	.0495218
st_MA	.0301113	.0174136	1.73	0.090	-.0048827	.0651052
st_MD	-.0717928	.0282255	-2.54	0.014	-.1285141	-.0150714
st_ME	-.0181648	.0258505	-0.70	0.486	-.0701134	.0337838
st_MI	.0245853	.0133565	1.84	0.072	-.0022555	.0514261
st_MN	.0442591	.0285475	1.55	0.127	-.0131093	.1016276
st_MO	.0123689	.0201216	0.61	0.542	-.028067	.0528048
st_MS	.1139658	.013641	8.35	0.000	.0865532	.1413784
st_MT	-.0770021	.0251994	-3.06	0.004	-.1276422	-.026362
st_NC	-.0391174	.0133728	-2.93	0.005	-.065991	-.0122437
st_ND	0	(omitted)				
st_NE	-.0320681	.0338597	-0.95	0.348	-.1001118	.0359756
st_NH	-.074969	.0250556	-2.99	0.004	-.1253201	-.024618
st_NJ	-.0008709	.0152831	-0.06	0.955	-.0315835	.0298416
st_NM	-.0056684	.0168606	-0.34	0.738	-.039551	.0282143
st_NV	-.0307375	.0189817	-1.62	0.112	-.0688827	.0074077
st_NY	0	(omitted)				
st_OH	-.003977	.0157393	-0.25	0.802	-.0356063	.0276524
st_OK	.0004961	.0244145	0.02	0.984	-.0485668	.0495589
st_OR	.0281624	.0055932	5.04	0.000	.0169225	.0394023
st_PA	-.040575	.0175214	-2.32	0.025	-.0757857	-.0053643
st_PR	.047522	.0458964	1.04	0.306	-.0447103	.1397544
st_RI	.0742915	.0210147	3.54	0.001	.032061	.116522
st_SC	.0089377	.0161125	0.55	0.582	-.0234417	.0413171
st_SD	.0384598	.0395293	0.97	0.335	-.0409772	.1178969
st_TN	-.0118525	.0250268	-0.47	0.638	-.0621457	.0384407
st_TX	.0205122	.0098582	2.08	0.043	.0007013	.040323
st_UT	.0603158	.0158411	3.81	0.000	.028482	.0921496
st_VA	-.0262055	.0301158	-0.87	0.388	-.0867254	.0343145
st_VT	.0156558	.0291291	0.54	0.593	-.0428813	.0741929
st_WA	-.046874	.0065589	-7.15	0.000	-.0600547	-.0336933
st_WI	.0121913	.021131	0.58	0.567	-.030273	.0546556
st_WV	-.0167175	.0127846	-1.31	0.197	-.0424092	.0089742
st_WY	-.0472793	.0328883	-1.44	0.157	-.1133707	.0188121
tsd_unemp_mean	-.0089915	.0088035	-1.02	0.312	-.0266828	.0086997
tsd_unemp_cng	-.0142886	.0110789	-1.29	0.203	-.0365525	.0079752
pial	9.19e-06	.0000107	0.86	0.393	-.0000122	.0000306
pia_miss	.0024509	.0128939	0.19	0.850	-.0234603	.0283621
ime1	-1.43e-06	3.29e-06	-0.44	0.665	-8.05e-06	5.18e-06
ime_miss	-.0191845	.0040917	-4.69	0.000	-.0274071	-.010962
_cons	.1834302	.0680757	2.69	0.010	.0466271	.3202334

(1) motoimm = 0

F(1, 49) = 2.75
 Prob > F = 0.1037

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs =	43043
F(46, 49) =	.
Prob > F =	.
R-squared =	0.1162
Root MSE =	.25266

(Std. Err. adjusted for 50 clusters in tsd_state)

eperoll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.002143	.0008897	-2.41	0.020	-.003931 - .000355
male	-.0023913	.0015264	-1.57	0.124	-.0054587 .0006762
gendermiss_flag	-.0277174	.0031155	-8.90	0.000	-.0339782 -.0214565
tsd_age	-.0028283	.0002479	-11.41	0.000	-.0033265 -.00233
doage2	-.0001293	.0002254	-0.57	0.569	-.0005822 .0003237
doage2miss_flag	.2753166	.2459561	1.12	0.268	-.2189507 .7695839
race_a	.0042603	.0136827	0.31	0.757	-.0232361 .0317567
race_b	.0181654	.0030234	6.01	0.000	.0120898 .0242411
race_h	-.0008776	.0066136	-0.13	0.895	-.0141682 .0124131
race_i	-.0066039	.0091304	-0.72	0.473	-.0249521 .0117444
race_o	-.0257074	.0107316	-2.40	0.020	-.0472733 -.0041415
race_mis	.0020907	.0098326	0.21	0.832	-.0176686 .02185
tsd_edu_hs	.0039341	.0032814	1.20	0.236	-.0026601 .0105282
tsd_edu_mrhs	.0239162	.0040873	5.85	0.000	.0157025 .0321299
tsd_edu_mis	.0200327	.0048341	4.14	0.000	.0103181 .0297473
tsd_mie_exp	-.0082177	.0064385	-1.28	0.208	-.0211564 .004721
tsd_mie_mis	-.0102131	.0035675	-2.86	0.006	-.0173822 -.0030439
tsd_mie_psbl	-.0154083	.0024095	-6.39	0.000	-.0202503 -.0105663
tsd_medicare	-.0152525	.002193	-6.96	0.000	-.0196595 -.0108455
tsd_medicare_miss	-.0484603	.0073793	-6.57	0.000	-.0632896 -.0336311
tsd_depend_1	-.0151531	.0053479	-2.83	0.007	-.0259001 -.0044062
tsd_depend_2	-.0118864	.0037266	-3.19	0.002	-.0193753 -.0043976
tsd_depend_miss	-.0418483	.0115849	-3.61	0.001	-.065129 -.0185677
tsd_vrpr	.0079113	.0063381	1.25	0.218	-.0048255 .0206482
tsd_vrpr_miss	-.0407641	.0058983	-6.91	0.000	-.0526172 -.028911
pdgroup2	-.0035286	.0039782	-0.89	0.379	-.0115232 .004466
pdgroup3	-.0085678	.0049477	-1.73	0.090	-.0185105 .001375
pdgroup4	-.0060325	.0033053	-1.83	0.074	-.0126746 .0006097
pdgroup5	.0157191	.0278399	0.56	0.575	-.0402274 .0716656
cohort2000	-.0116067	.0039651	-2.93	0.005	-.0195749 -.0036385
cohort2001	-.0067346	.0066855	-1.01	0.319	-.0201696 .0067004
cohort2002	-.0006824	.009909	-0.07	0.945	-.0205954 .0192305
cohort2003	.0747242	.0186739	4.00	0.000	.0371975 .1122508
cohort2004	-.0085928	.0158964	-0.54	0.591	-.0405378 .0233522
award_b4_tsd	.0238433	.0103275	2.31	0.025	.0030894 .0445972
diaward_tsd	-.0010799	.0002883	-3.75	0.000	-.0016592 -.0005006
epeb4twp_flag	.3103331	.0946191	3.28	0.002	.1201889 .5004773
ldwb4twp_flag	-.1112934	.055872	-1.99	0.052	-.2235723 .0009856
ldwb4epe_flag	.4357606	.0488702	8.92	0.000	.3375524 .5339689
twpb4tsd	.3095279	.0098611	31.39	0.000	.2897114 .3293445
epeb4tsd	-.165701	.0061913	-26.76	0.000	-.178143 -.1532591
ldwb4tsd	-.0813696	.0048873	-16.65	0.000	-.0911911 -.0715482
st_AL	.0201054	.0200472	1.00	0.321	-.0201809 .0603917
st_AR	-.0116333	.0213234	-0.55	0.588	-.0544843 .0312176
st_AZ	.036662	.0134074	2.73	0.009	.0097188 .0636052

st_CA	.0731329	.0087056	8.40	0.000	.0556384	.0906274
st_CO	-.0045417	.0200583	-0.23	0.822	-.0448504	.035767
st_CT	-.0338915	.0291472	-1.16	0.251	-.0924649	.0246819
st_DC	-.054135	.0093238	-5.81	0.000	-.0728718	-.0353981
st_DE	-.052623	.0360535	-1.46	0.151	-.1250753	.0198293
st_FL	-.003757	.0199823	-0.19	0.852	-.0439129	.0363989
st_GA	-.0344178	.0265485	-1.30	0.201	-.0877689	.0189334
st_HI	-.1417487	.0367675	-3.86	0.000	-.2156357	-.0678616
st_IA	-.049635	.0332083	-1.49	0.141	-.1163696	.0170996
st_ID	.0386225	.021305	1.81	0.076	-.0041916	.0814366
st_IL	.0548224	.0085172	6.44	0.000	.0377063	.0719384
st_IN	-.018195	.0243895	-0.75	0.459	-.0672075	.0308175
st_KS	-.0190781	.0231426	-0.82	0.414	-.065585	.0274287
st_KY	.0229323	.0193147	1.19	0.241	-.015882	.0617466
st_LA	-.017129	.0168832	-1.01	0.315	-.051057	.0167989
st_MA	.0148702	.0195893	0.76	0.451	-.0244959	.0542363
st_MD	-.0909555	.0304507	-2.99	0.004	-.1521484	-.0297626
st_ME	-.0914298	.028739	-3.18	0.003	-.149183	-.0336765
st_MI	-.0090707	.0141698	-0.64	0.525	-.0375459	.0194045
st_MN	-.0368398	.0305861	-1.20	0.234	-.0983049	.0246253
st_MO	-.0220013	.0217677	-1.01	0.317	-.065745	.0217425
st_MS	.0863556	.014988	5.76	0.000	.056236	.1164752
st_MT	-.184175	.0253187	-7.27	0.000	-.2350548	-.1332952
st_NC	-.0075444	.014032	-0.54	0.593	-.0357426	.0206539
st_ND	0	(omitted)				
st_NE	-.1154747	.0354112	-3.26	0.002	-.1866362	-.0443133
st_NH	-.0808619	.0284348	-2.84	0.006	-.1380039	-.02372
st_NJ	.0230288	.0161423	1.43	0.160	-.0094103	.055468
st_NM	-.0391814	.0185968	-2.11	0.040	-.076553	-.0018097
st_NV	-.0045147	.0190724	-0.24	0.814	-.0428422	.0338128
st_NY	0	(omitted)				
st_OH	-.0368711	.0168293	-2.19	0.033	-.0706909	-.0030513
st_OK	-.0360919	.0260994	-1.38	0.173	-.0885406	.0163567
st_OR	.0571118	.0077172	7.40	0.000	.0416035	.0726201
st_PA	-.066578	.0187259	-3.56	0.001	-.104209	-.0289469
st_PR	.1896065	.0466102	4.07	0.000	.0959398	.2832732
st_RI	.0114663	.0247023	0.46	0.645	-.0381748	.0611074
st_SC	-.0059745	.0168224	-0.36	0.724	-.0397803	.0278314
st_SD	.0741085	.0420102	1.76	0.084	-.0103141	.1585312
st_TN	-.0331389	.0259117	-1.28	0.207	-.0852104	.0189325
st_TX	.0026482	.0109018	0.24	0.809	-.0192599	.0245562
st_UT	.0127365	.0172038	0.74	0.463	-.0218357	.0473088
st_VA	-.1101936	.0317615	-3.47	0.001	-.1740208	-.0463664
st_VT	-.048883	.0323665	-1.51	0.137	-.113926	.0161599
st_WA	-.0141471	.0078446	-1.80	0.077	-.0299115	.0016172
st_WI	-.0162854	.022201	-0.73	0.467	-.0609001	.0283292
st_WV	-.0533634	.0154198	-3.46	0.001	-.0843506	-.0223762
st_WY	-.1349524	.0352421	-3.83	0.000	-.2057741	-.0641308
tsd_unemp_mean	-.0371884	.0096476	-3.85	0.000	-.056576	-.0178008
tsd_unemp_cng	-.0340775	.0128398	-2.65	0.011	-.05988	-.008275
pial	.0000247	.0000122	2.03	0.048	1.90e-07	.0000493
pia_miss	-.0019705	.016343	-0.12	0.905	-.0348131	.030872
ime1	-6.11e-06	4.18e-06	-1.46	0.151	-.0000145	2.30e-06
ime_miss	-.0375777	.0049645	-7.57	0.000	-.0475543	-.0276012
_cons	.4444401	.0716467	6.20	0.000	.3004608	.5884195

(1) motoimm = 0

F(1, 49) = 5.80
 Prob > F = 0.0198

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
PM_PH1NONY_unemp.xls
dir : seeout
note: st_ND omitted because of collinearity
note: st_NY omitted because of collinearity

Linear regression

Number of obs =	43043
F(46, 49) =	.
Prob > F =	.
R-squared =	0.1180
Root MSE =	.27982

(Std. Err. adjusted for 50 clusters in tsd_state)

eperoll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0011743	.0013409	-0.88	0.385	-.0038689	.0015203
male	-.0014637	.0016469	-0.89	0.378	-.0047732	.0018458
gendermiss_flag	-.0397135	.0039757	-9.99	0.000	-.047703	-.0317239
tsd_age	-.0035505	.0002152	-16.50	0.000	-.0039829	-.003118
doage2	-.0002595	.0002579	-1.01	0.319	-.0007777	.0002587
doage2miss_flag	.2593769	.2370683	1.09	0.279	-.2170296	.7357834
race_a	-.001494	.0152736	-0.10	0.922	-.0321874	.0291995
race_b	.0223394	.0035742	6.25	0.000	.0151567	.0295221
race_h	-.0024144	.0072277	-0.33	0.740	-.016939	.0121103
race_i	-.0061644	.0147062	-0.42	0.677	-.0357175	.0233888
race_o	-.0371421	.0115922	-3.20	0.002	-.0604375	-.0138466
race_mis	.0006669	.0087465	0.08	0.940	-.0169099	.0182437
tsd_edu_hs	.0055702	.0033015	1.69	0.098	-.0010644	.0122048
tsd_edu_mrhs	.0279807	.0047721	5.86	0.000	.0183908	.0375706
tsd_edu_mis	.0215251	.0061027	3.53	0.001	.0092613	.0337889
tsd_mie_exp	-.0000953	.007938	-0.01	0.990	-.0160474	.0158568
tsd_mie_mis	-.0089143	.0035965	-2.48	0.017	-.0161417	-.0016869
tsd_mie_psbl	-.0155933	.003254	-4.79	0.000	-.0221326	-.0090541
tsd_medicare	-.0172995	.0023972	-7.22	0.000	-.0221168	-.0124821
tsd_medicare_miss	-.0642605	.0073865	-8.70	0.000	-.0791042	-.0494168
tsd_depend_1	-.0168538	.0048978	-3.44	0.001	-.0266963	-.0070112
tsd_depend_2	-.0082105	.0033407	-2.46	0.018	-.014924	-.001497
tsd_depend_miss	-.0578693	.0123444	-4.69	0.000	-.0826763	-.0330623
tsd_vrpr	-.0052787	.0073368	-0.72	0.475	-.0200225	.0094651
tsd_vrpr_miss	-.0674687	.0066442	-10.15	0.000	-.0808208	-.0541167
pdcgrou2	-.0087008	.0058843	-1.48	0.146	-.0205256	.0031241
pdcgrou3	-.0112545	.0065255	-1.72	0.091	-.024368	.001859
pdcgrou4	-.0101646	.0038735	-2.62	0.012	-.0179487	-.0023804
pdcgrou5	.0264403	.0286687	0.92	0.361	-.0311716	.0840523
cohort2000	-.0085234	.0043608	-1.95	0.056	-.0172868	.0002399
cohort2001	-.002154	.0086581	-0.25	0.805	-.019553	.015245
cohort2002	-.0043773	.0119733	-0.37	0.716	-.0284385	.019684
cohort2003	.096102	.0191935	5.01	0.000	.0575313	.1346728
cohort2004	.0119635	.0225427	0.53	0.598	-.0333379	.0572648
award_b4_tsd	.0394021	.0127743	3.08	0.003	.0137313	.0650729
diaward_tsd	-.001162	.0003793	-3.06	0.004	-.0019241	-.0003998
epeb4twp_flag	.3147775	.0960667	3.28	0.002	.1217243	.5078307
ldwb4twp_flag	-.1392506	.0657392	-2.12	0.039	-.2713585	-.0071428
ldwb4epe_flag	.546877	.0412129	13.27	0.000	.4640566	.6296973
twpb4tsd	.3209843	.0081865	39.21	0.000	.3045328	.3374358
epeb4tsd	-.1906279	.0057737	-33.02	0.000	-.2022306	-.1790253
ldwb4tsd	-.0923552	.0053555	-17.24	0.000	-.1031176	-.0815929
st_AL	.0257745	.0321635	0.80	0.427	-.0388604	.0904094
st_AR	-.0025586	.0326782	-0.08	0.938	-.0682279	.0631107
st_AZ	.0681995	.0197943	3.45	0.001	.0284214	.1079777

st_CA	.0868342	.0114935	7.56	0.000	.0637372	.1099312
st_CO	.0236077	.0299698	0.79	0.435	-.036619	.0838344
st_CT	.0495133	.0465788	1.06	0.293	-.0440904	.1431169
st_DC	-.0458507	.0122638	-3.74	0.000	-.0704957	-.0212058
st_DE	-.0297017	.0565571	-0.53	0.602	-.1433575	.083954
st_FL	.031227	.0292499	1.07	0.291	-.0275529	.0900069
st_GA	.006552	.0402336	0.16	0.871	-.0743004	.0874044
st_HI	-.1253445	.0578306	-2.17	0.035	-.2415594	-.0091296
st_IA	-.0300327	.053653	-0.56	0.578	-.1378525	.077787
st_ID	.0481568	.0311392	1.55	0.128	-.0144197	.1107333
st_IL	.0848561	.0117154	7.24	0.000	.0613131	.1083992
st_IN	-.0081085	.0371466	-0.22	0.828	-.0827574	.0665404
st_KS	.0372568	.0345853	1.08	0.287	-.0322451	.1067586
st_KY	.0372217	.029035	1.28	0.206	-.0211263	.0955697
st_LA	-.0020486	.0251699	-0.08	0.935	-.0526294	.0485323
st_MA	.0441422	.0306399	1.44	0.156	-.0174311	.1057154
st_MD	-.0855124	.0465798	-1.84	0.072	-.1791181	.0080933
st_ME	-.0931572	.0465644	-2.00	0.051	-.186732	.0004176
st_MI	.0258995	.0202714	1.28	0.207	-.0148373	.0666363
st_MN	-.0320128	.0470214	-0.68	0.499	-.1265057	.0624802
st_MO	.004389	.0336898	0.13	0.897	-.0633131	.0720911
st_MS	.0976955	.0200144	4.88	0.000	.0574751	.1379159
st_MT	-.2091283	.0463538	-4.51	0.000	-.3022798	-.1159769
st_NC	.0097848	.0188443	0.52	0.606	-.0280841	.0476538
st_ND	0	(omitted)				
st_NE	-.0522374	.0560399	-0.93	0.356	-.1648538	.0603789
st_NH	-.0766307	.0436102	-1.76	0.085	-.1642686	.0110072
st_NJ	.0322361	.0246048	1.31	0.196	-.0172092	.0816814
st_NM	-.027389	.028141	-0.97	0.335	-.0839405	.0291625
st_NV	.0079615	.0283959	0.28	0.780	-.0491022	.0650252
st_NY	0	(omitted)				
st_OH	-.0277486	.0252105	-1.10	0.276	-.0784111	.0229138
st_OK	-.0107961	.0409675	-0.26	0.793	-.0931234	.0715311
st_OR	.0963713	.0114586	8.41	0.000	.0733444	.1193982
st_PA	-.0611215	.02837	-2.15	0.036	-.1181332	-.0041098
st_PR	.2223133	.0823413	2.70	0.009	.0568423	.3877843
st_RI	.1525149	.0347673	4.39	0.000	.0826474	.2223823
st_SC	.0207182	.0251258	0.82	0.414	-.0297741	.0712104
st_SD	.0831147	.0675728	1.23	0.225	-.052678	.2189073
st_TN	.0610739	.0390518	1.56	0.124	-.0174036	.1395515
st_TX	.0138958	.0145202	0.96	0.343	-.0152836	.0430752
st_UT	.0140092	.0254988	0.55	0.585	-.0372325	.0652509
st_VA	-.1071893	.050542	-2.12	0.039	-.2087573	-.0056214
st_VT	-.0135375	.0522681	-0.26	0.797	-.1185742	.0914991
st_WA	.0001893	.0114282	0.02	0.987	-.0227765	.0231552
st_WI	.0157343	.0341854	0.46	0.647	-.0529638	.0844325
st_WV	-.0499784	.0215672	-2.32	0.025	-.0933194	-.0066374
st_WY	-.1326374	.0546694	-2.43	0.019	-.2424996	-.0227751
tsd_unemp_mean	-.0404089	.0162256	-2.49	0.016	-.0730153	-.0078024
tsd_unemp_cng	-.0230602	.0166865	-1.38	0.173	-.056593	.0104726
pial	.0000351	.0000142	2.47	0.017	6.57e-06	.0000636
pia_miss	.0144307	.0189256	0.76	0.449	-.0236017	.0524631
ime1	-.0000106	4.81e-06	-2.20	0.033	-.0000202	-9.12e-07
ime_miss	-.0556467	.0063467	-8.77	0.000	-.0684009	-.0428925
_cons	.4987419	.1180982	4.22	0.000	.2614148	.7360691

(1) motoimm = 0

F(1, 49) = 0.77
 Prob > F = 0.3854

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
 F(46, 49) = .
 Prob > F = .
 R-squared = 0.0265
 Root MSE = .19951

(Std. Err. adjusted for 50 clusters in tsd_state)

twproll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0007808	.0005899	-1.32	0.192	-.0019663	.0004046
male	-.0015478	.0013197	-1.17	0.247	-.0041998	.0011042
gendermiss_flag	-.030499	.0026593	-11.47	0.000	-.0358431	-.0251548
tsd_age	-.0016763	.0002445	-6.86	0.000	-.0021677	-.001185
doage2	.0000157	.0002004	0.08	0.938	-.000387	.0004184
doage2miss_flag	-.0447467	.0165642	-2.70	0.009	-.0780338	-.0114596
race_a	.0007996	.0090427	0.09	0.930	-.0173723	.0189716
race_b	.0057806	.00403	1.43	0.158	-.0023181	.0138793
race_h	.0023078	.0045357	0.51	0.613	-.006807	.0114227
race_i	-.0157925	.0068383	-2.31	0.025	-.0295346	-.0020504
race_o	-.0217981	.0046031	-4.74	0.000	-.0310485	-.0125477
race_mis	.0061807	.0090845	0.68	0.499	-.0120753	.0244367
tsd_edu_hs	.0020014	.0028961	0.69	0.493	-.0038186	.0078215
tsd_edu_mrhs	.0166502	.0036936	4.51	0.000	.0092276	.0240727
tsd_edu_mis	.0065433	.0023754	2.75	0.008	.0017697	.0113169
tsd_mie_exp	.0045711	.0036251	1.26	0.213	-.0027139	.0118561
tsd_mie_mis	-.009275	.0024816	-3.74	0.000	-.014262	-.004288
tsd_mie_psbl	.0030387	.0025193	1.21	0.234	-.0020241	.0081016
tsd_medicare	-.0157693	.0019103	-8.25	0.000	-.0196082	-.0119304
tsd_medicare_miss	-.0368186	.0039029	-9.43	0.000	-.0446617	-.0289755
tsd_depend_1	-.0089104	.0018326	-4.86	0.000	-.0125931	-.0052276
tsd_depend_2	-.0004997	.0022657	-0.22	0.826	-.0050528	.0040535
tsd_depend_miss	-.03031	.0058543	-5.18	0.000	-.0420746	-.0185455
tsd_vrpr	-.0122042	.0077124	-1.58	0.120	-.027703	.0032945
tsd_vrpr_miss	-.0355365	.006324	-5.62	0.000	-.048245	-.022828
pdcgrou2	-.017699	.0021507	-8.23	0.000	-.0220209	-.013377
pdcgrou3	-.0134282	.002027	-6.62	0.000	-.0175017	-.0093547
pdcgrou4	-.0127776	.0018914	-6.76	0.000	-.0165786	-.0089767
pdcgrou5	-.0033391	.0247585	-0.13	0.893	-.0530931	.046415
cohort2000	-.0110365	.0036339	-3.04	0.004	-.0183392	-.0037338
cohort2001	-.0179468	.0059404	-3.02	0.004	-.0298845	-.0060091
cohort2002	-.0138205	.0105801	-1.31	0.198	-.0350819	.007441
cohort2003	-.0329074	.0085565	-3.85	0.000	-.0501024	-.0157125
cohort2004	-.0419959	.0119887	-3.50	0.001	-.0660882	-.0179037
award_b4_tsd	.0122244	.0063593	1.92	0.060	-.0005551	.0250039
diaward_tsd	-.0008542	.0002678	-3.19	0.002	-.0013924	-.000316
epeb4twp_flag	.025316	.0725253	0.35	0.729	-.1204291	.171061
ldwb4twp_flag	.0046669	.0853779	0.05	0.957	-.1669065	.1762403
ldwb4epe_flag	.136908	.0341579	4.01	0.000	.0682651	.2055508
twpb4tsd	-.0473906	.0017922	-26.44	0.000	-.0509923	-.0437889
epeb4tsd	-.0332249	.0020406	-16.28	0.000	-.0373256	-.0291241
ldwb4tsd	-.0138975	.0014873	-9.34	0.000	-.0168864	-.0109087
st_AL	-.0377946	.0153748	-2.46	0.018	-.0686913	-.0068978
st_AR	-.0805121	.0164885	-4.88	0.000	-.1136471	-.0473772
st_AZ	-.0008273	.0100071	-0.08	0.934	-.0209372	.0192826

st_CA	.0367701	.0060039	6.12	0.000	.0247049	.0488353
st_CO	-.0297065	.0149337	-1.99	0.052	-.059717	.0003039
st_CT	-.1197506	.0232272	-5.16	0.000	-.1664274	-.0730739
st_DC	-.0293646	.0066172	-4.44	0.000	-.0426623	-.0160669
st_DE	-.1005194	.0274751	-3.66	0.001	-.1557327	-.0453062
st_FL	-.0234159	.0145405	-1.61	0.114	-.0526361	.0058043
st_GA	-.0392377	.0202892	-1.93	0.059	-.0800104	.0015351
st_HI	-.1631477	.0291405	-5.60	0.000	-.2217076	-.1045877
st_IA	-.1017154	.0259947	-3.91	0.000	-.1539536	-.0494771
st_ID	-.0649501	.0159161	-4.08	0.000	-.0969347	-.0329656
st_IL	.0303671	.0055866	5.44	0.000	.0191404	.0415938
st_IN	-.0879444	.0179083	-4.91	0.000	-.1239324	-.0519564
st_KS	-.0833934	.0170388	-4.89	0.000	-.1176341	-.0491526
st_KY	-.0061107	.0141133	-0.43	0.667	-.0344724	.0222511
st_LA	.0573194	.0117994	4.86	0.000	.0336078	.0810311
st_MA	-.0250318	.0147269	-1.70	0.096	-.0546267	.0045631
st_MD	-.1244697	.0220302	-5.65	0.000	-.1687412	-.0801983
st_ME	-.1228019	.022656	-5.42	0.000	-.1683309	-.0772729
st_MI	.0177816	.0099794	1.78	0.081	-.0022728	.0378359
st_MN	-.0844872	.0233204	-3.62	0.001	-.1313513	-.0376231
st_MO	-.0334048	.0163316	-2.05	0.046	-.0662244	-.0005852
st_MS	.0454845	.0096198	4.73	0.000	.0261528	.0648163
st_MT	-.1904096	.0238363	-7.99	0.000	-.2383104	-.1425087
st_NC	.0041532	.0095943	0.43	0.667	-.0151272	.0234336
st_ND	0	(omitted)				
st_NE	-.1408044	.0276004	-5.10	0.000	-.1962695	-.0853393
st_NH	-.0923289	.0208801	-4.42	0.000	-.134289	-.0503687
st_NJ	-.0343508	.0116216	-2.96	0.005	-.0577053	-.0109962
st_NM	.0304656	.0138147	2.21	0.032	.0027039	.0582273
st_NV	-.0305259	.0141343	-2.16	0.036	-.0589298	-.002122
st_NY	0	(omitted)				
st_OH	-.030842	.0126156	-2.44	0.018	-.056194	-.0054901
st_OK	-.0705792	.0200093	-3.53	0.001	-.1107893	-.0303691
st_OR	.0529503	.0053102	9.97	0.000	.0422791	.0636215
st_PA	-.0600591	.0137768	-4.36	0.000	-.0877446	-.0323735
st_PR	.2986311	.0384175	7.77	0.000	.2214283	.3758338
st_RI	-.0921796	.0185594	-4.97	0.000	-.1294762	-.054883
st_SC	-.0276573	.0118109	-2.34	0.023	-.0513922	-.0039225
st_SD	-.159722	.0320517	-4.98	0.000	-.2241322	-.0953118
st_TN	-.0610942	.0194451	-3.14	0.003	-.1001706	-.0220178
st_TX	-.0202703	.0077431	-2.62	0.012	-.0358307	-.00471
st_UT	-.0450766	.0123827	-3.64	0.001	-.0699607	-.0201926
st_VA	-.1269997	.0244794	-5.19	0.000	-.1761929	-.0778065
st_VT	-.0858714	.0252654	-3.40	0.001	-.1366442	-.0350986
st_WA	.0137588	.005244	2.62	0.012	.0032206	.0242971
st_WI	-.0495138	.0169175	-2.93	0.005	-.0835107	-.0155169
st_WV	-.0479662	.0106243	-4.51	0.000	-.0693165	-.0266158
st_WY	-.1667701	.0274035	-6.09	0.000	-.2218396	-.1117006
tsd_unemp_mean	-.0480349	.0077902	-6.17	0.000	-.0636898	-.0323799
tsd_unemp_cng	-.0252465	.008839	-2.86	0.006	-.043009	-.0074839
pial	.0000324	6.16e-06	5.27	0.000	.0000201	.0000448
pia_miss	.0312727	.0049762	6.28	0.000	.0212727	.0412727
ime1	-.0000121	2.26e-06	-5.35	0.000	-.0000166	-7.54e-06
ime_miss	-.0323193	.0054214	-5.96	0.000	-.0432139	-.0214246
_cons	.466858	.0553688	8.43	0.000	.3555903	.5781257

(1) motoimm = 0

F(1, 49) = 1.75
 Prob > F = 0.1918

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
 F(46, 49) = .
 Prob > F = .
 R-squared = 0.0426
 Root MSE = .25329

(Std. Err. adjusted for 50 clusters in tsd_state)

twproll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0003776	.0012974	-0.29	0.772	-.0029848	.0022297
male	-.0030947	.0024162	-1.28	0.206	-.0079503	.0017608
gendermiss_flag	-.0520456	.003945	-13.19	0.000	-.0599734	-.0441177
tsd_age	-.0028029	.0001934	-14.50	0.000	-.0031915	-.0024143
doage2	-.0001186	.0001768	-0.67	0.505	-.0004739	.0002366
doage2miss_flag	-.0757418	.0284512	-2.66	0.010	-.1329167	-.0185668
race_a	.004496	.0150478	0.30	0.766	-.0257437	.0347358
race_b	.0111116	.0030469	3.65	0.001	.0049886	.0172347
race_h	.0013744	.0062388	0.22	0.827	-.0111629	.0139116
race_i	-.0181772	.0098983	-1.84	0.072	-.0380685	.0017141
race_o	-.0275389	.0095862	-2.87	0.006	-.0468031	-.0082748
race_mis	.0015202	.010942	0.14	0.890	-.0204686	.023509
tsd_edu_hs	.0051907	.0023581	2.20	0.032	.000452	.0099293
tsd_edu_mrhs	.0233152	.0033564	6.95	0.000	.0165703	.0300601
tsd_edu_mis	.0082753	.0033472	2.47	0.017	.0015488	.0150018
tsd_mie_exp	-.0004377	.004798	-0.09	0.928	-.0100797	.0092042
tsd_mie_mis	-.0073958	.0020986	-3.52	0.001	-.0116131	-.0031785
tsd_mie_psbl	.0026742	.0033698	0.79	0.431	-.0040976	.009446
tsd_medicare	-.0228568	.0024994	-9.15	0.000	-.0278795	-.0178342
tsd_medicare_miss	-.0609043	.0043197	-14.10	0.000	-.0695851	-.0522235
tsd_depend_1	-.0084159	.0028036	-3.00	0.004	-.0140499	-.0027818
tsd_depend_2	-.0005925	.0034266	-0.17	0.863	-.0074785	.0062934
tsd_depend_miss	-.0486706	.0065254	-7.46	0.000	-.0617839	-.0355574
tsd_vrpr	-.0384524	.0072915	-5.27	0.000	-.0531052	-.0237995
tsd_vrpr_miss	-.0752112	.0068675	-10.95	0.000	-.089012	-.0614104
pdgroup2	-.0275744	.0047454	-5.81	0.000	-.0371107	-.0180382
pdgroup3	-.0233068	.0041198	-5.66	0.000	-.0315859	-.0150278
pdgroup4	-.0221865	.004363	-5.09	0.000	-.0309544	-.0134187
pdgroup5	.0030597	.0300483	0.10	0.919	-.0573247	.0634441
cohort2000	-.0111268	.0048546	-2.29	0.026	-.0208825	-.001371
cohort2001	-.0162073	.0085563	-1.89	0.064	-.0334018	.0009871
cohort2002	-.0131828	.0143651	-0.92	0.363	-.0420506	.015685
cohort2003	.0083397	.0166411	0.50	0.619	-.0251019	.0417812
cohort2004	-.0488255	.013707	-3.56	0.001	-.0763707	-.0212803
award_b4_tsd	.0263142	.006339	4.15	0.000	.0135756	.0390529
diaward_tsd	-.0008987	.0003955	-2.27	0.027	-.0016934	-.000104
epeb4twp_flag	.0637255	.0678883	0.94	0.352	-.0727011	.2001521
ldwb4twp_flag	.0130364	.0741414	0.18	0.861	-.1359562	.1620291
ldwb4epe_flag	.2694919	.0307718	8.76	0.000	.2076538	.3313301
twpb4tsd	-.0785977	.0029208	-26.91	0.000	-.0844673	-.0727281
epeb4tsd	-.0560033	.003136	-17.86	0.000	-.0623053	-.0497012
ldwb4tsd	-.0248369	.0014931	-16.63	0.000	-.0278375	-.0218363
st_AL	.0010922	.0255142	0.04	0.966	-.0501805	.052365
st_AR	.0245177	.0265209	0.92	0.360	-.028778	.0778134
st_AZ	.0717446	.0157607	4.55	0.000	.0400722	.103417

st_CA	.073274	.0094866	7.72	0.000	.05421	.092338
st_CO	.0392287	.0239442	1.64	0.108	-.008889	.0873465
st_CT	-.0056532	.0364389	-0.16	0.877	-.0788798	.0675735
st_DC	-.0146794	.0115344	-1.27	0.209	-.0378586	.0084998
st_DE	-.0013509	.0447237	-0.03	0.976	-.0912266	.0885248
st_FL	.0450345	.0241578	1.86	0.068	-.0035125	.0935815
st_GA	.0463955	.0328635	1.41	0.164	-.0196461	.1124371
st_HI	-.0996581	.0467071	-2.13	0.038	-.1935196	-.0057967
st_IA	-.0123962	.0418804	-0.30	0.768	-.0965581	.0717657
st_ID	-.0131317	.0251956	-0.52	0.605	-.063764	.0375007
st_IL	.0820078	.0090327	9.08	0.000	.063856	.1001596
st_IN	.0007939	.0292612	0.03	0.978	-.0580087	.0595964
st_KS	.0112149	.0273053	0.41	0.683	-.043657	.0660869
st_KY	.0375161	.0235897	1.59	0.118	-.0098892	.0849215
st_LA	.1074721	.0193682	5.55	0.000	.0685502	.146394
st_MA	.0497303	.0237746	2.09	0.042	.0019535	.0975071
st_MD	-.0671916	.0357421	-1.88	0.066	-.139018	.0046347
st_ME	-.0668862	.0363827	-1.84	0.072	-.14	.0062275
st_MI	.0460018	.0162406	2.83	0.007	.0133651	.0786385
st_MN	.0114678	.0377508	0.30	0.763	-.0643952	.0873309
st_MO	.0120494	.0258436	0.47	0.643	-.0398853	.0639842
st_MS	.0691443	.017461	3.96	0.000	.0340551	.1042336
st_MT	-.1861844	.0361404	-5.15	0.000	-.2588112	-.1135575
st_NC	.0589573	.0168347	3.50	0.001	.0251266	.092788
st_ND	0	(omitted)				
st_NE	-.0596687	.0447347	-1.33	0.188	-.1495665	.0302291
st_NH	-.0276543	.0339736	-0.81	0.420	-.0959267	.0406181
st_NJ	.0613922	.0191604	3.20	0.002	.0228879	.0998964
st_NM	.0705491	.0216313	3.26	0.002	.0270795	.1140188
st_NV	.0042057	.0233834	0.18	0.858	-.042785	.0511963
st_NY	0	(omitted)				
st_OH	.0063519	.0197897	0.32	0.750	-.033417	.0461207
st_OK	.0072366	.0323292	0.22	0.824	-.0577313	.0722045
st_OR	.0868732	.0106859	8.13	0.000	.0653991	.1083474
st_PA	.0017306	.0224958	0.08	0.939	-.0434764	.0469375
st_PR	.2373435	.0631807	3.76	0.000	.1103772	.3643099
st_RI	.0885959	.0295139	3.00	0.004	.0292855	.1479062
st_SC	.030611	.0195776	1.56	0.124	-.0087318	.0699537
st_SD	-.0652734	.0519026	-1.26	0.214	-.1695756	.0390288
st_TN	.067996	.0317256	2.14	0.037	.004241	.131751
st_TX	.0093984	.011707	0.80	0.426	-.0141277	.0329246
st_UT	.0970845	.01934	5.02	0.000	.0582193	.1359498
st_VA	-.0251759	.0399027	-0.63	0.531	-.1053635	.0550116
st_VT	-.0004532	.0406717	-0.01	0.991	-.082186	.0812796
st_WA	.0235589	.0104159	2.26	0.028	.0026274	.0444904
st_WI	.0221779	.0272565	0.81	0.420	-.032596	.0769518
st_WV	-.0244778	.0166425	-1.47	0.148	-.0579223	.0089666
st_WY	-.1106946	.0436585	-2.54	0.014	-.1984298	-.0229595
tsd_unemp_mean	-.0317665	.0127309	-2.50	0.016	-.0573502	-.0061828
tsd_unemp_cng	-.0174283	.0167217	-1.04	0.302	-.0510319	.0161753
pial	.0000477	9.91e-06	4.82	0.000	.0000278	.0000676
pia_miss	.0391148	.0063262	6.18	0.000	.0264018	.0518278
ime1	-.0000165	3.63e-06	-4.56	0.000	-.0000238	-9.25e-06
ime_miss	-.050989	.0066705	-7.64	0.000	-.0643939	-.0375841
_cons	.4211012	.0959695	4.39	0.000	.2282432	.6139591

(1) motoimm = 0

F(1, 49) = 0.08
 Prob > F = 0.7723

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs =	43043
F(46, 49) =	.
Prob > F =	.
R-squared =	0.0544
Root MSE =	.28654

(Std. Err. adjusted for 50 clusters in tsd_state)

twproll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0001215	.0015312	-0.08	0.937	-.0031987	.0029556
male	-.0028575	.002357	-1.21	0.231	-.007594	.0018791
gendermiss_flag	-.0712946	.0042789	-16.66	0.000	-.0798933	-.0626958
tsd_age	-.003557	.000269	-13.22	0.000	-.0040976	-.0030165
doage2	-.0002294	.0002197	-1.04	0.302	-.000671	.0002122
doage2miss_flag	-.0978157	.0377937	-2.59	0.013	-.173765	-.0218664
race_a	.0045263	.0160029	0.28	0.778	-.0276326	.0366853
race_b	.0154078	.0034263	4.50	0.000	.0085224	.0222932
race_h	.0023154	.0069674	0.33	0.741	-.0116861	.0163168
race_i	-.0115297	.01096	-1.05	0.298	-.0335548	.0104953
race_o	-.0382579	.012626	-3.03	0.004	-.0636308	-.012885
race_mis	.0019091	.0133666	0.14	0.887	-.0249521	.0287704
tsd_edu_hs	.0095705	.0031713	3.02	0.004	.0031975	.0159434
tsd_edu_mrhs	.0314627	.0039039	8.06	0.000	.0236175	.0393079
tsd_edu_mis	.0080387	.0042958	1.87	0.067	-.0005941	.0166716
tsd_mie_exp	.00559	.0073425	0.76	0.450	-.0091654	.0203453
tsd_mie_mis	-.0067488	.0028361	-2.38	0.021	-.0124482	-.0010494
tsd_mie_psbl	.0058447	.0033531	1.74	0.088	-.0008937	.012583
tsd_medicare	-.0287222	.0037088	-7.74	0.000	-.0361752	-.0212692
tsd_medicare_miss	-.078795	.0053719	-14.67	0.000	-.0895903	-.0679997
tsd_depend_1	-.0072588	.0037927	-1.91	0.061	-.0148804	.0003628
tsd_depend_2	.0040546	.004499	0.90	0.372	-.0049864	.0130956
tsd_depend_miss	-.0659656	.0103321	-6.38	0.000	-.0867287	-.0452026
tsd_vrpr	-.0563168	.0074365	-7.57	0.000	-.0712611	-.0413725
tsd_vrpr_miss	-.1061686	.0060577	-17.53	0.000	-.1183421	-.0939952
pdgroup2	-.034828	.0070746	-4.92	0.000	-.049045	-.0206111
pdgroup3	-.0261008	.0059234	-4.41	0.000	-.0380044	-.0141972
pdgroup4	-.0299679	.0052168	-5.74	0.000	-.0404514	-.0194845
pdgroup5	.0080616	.0278245	0.29	0.773	-.0478539	.0639771
cohort2000	-.0109022	.0054387	-2.00	0.051	-.0218316	.0000272
cohort2001	-.0146085	.0089763	-1.63	0.110	-.0326471	.00343
cohort2002	-.0151761	.0154947	-0.98	0.332	-.0463138	.0159616
cohort2003	.0480493	.0246746	1.95	0.057	-.0015362	.0976347
cohort2004	-.0228977	.0195981	-1.17	0.248	-.0622816	.0164863
award_b4_tsd	.0318467	.0092536	3.44	0.001	.0132509	.0504425
diaward_tsd	-.0009119	.0003771	-2.42	0.019	-.0016697	-.0001542
epeb4twp_flag	.2267753	.0985143	2.30	0.026	.0288035	.4247471
ldwb4twp_flag	.0293503	.13047	0.22	0.823	-.2328391	.2915396
ldwb4epe_flag	.3515527	.0250835	14.02	0.000	.3011456	.4019598
twpb4tsd	-.1036507	.0033295	-31.13	0.000	-.1103416	-.0969598
epeb4tsd	-.0735042	.0034959	-21.03	0.000	-.0805295	-.0664789
ldwb4tsd	-.0312349	.0024907	-12.54	0.000	-.0362403	-.0262296
st_AL	.0133611	.0347996	0.38	0.703	-.0565714	.0832935
st_AR	.0400236	.0352851	1.13	0.262	-.0308844	.1109316
st_AZ	.1142334	.0202681	5.64	0.000	.0735032	.1549636

st_CA	.1234967	.0113267	10.90	0.000	.1007349	.1462586
st_CO	.0782616	.0313972	2.49	0.016	.0151664	.1413567
st_CT	.0406398	.0497994	0.82	0.418	-.0594358	.1407155
st_DC	-.0015176	.0134448	-0.11	0.911	-.0285359	.0255007
st_DE	.0379016	.0615574	0.62	0.541	-.0858027	.1616058
st_FL	.0881162	.0311671	2.83	0.007	.0254837	.1507487
st_GA	.0830611	.0442487	1.88	0.066	-.00586	.1719823
st_HI	-.0832771	.0644096	-1.29	0.202	-.212713	.0461589
st_IA	.0305691	.0579884	0.53	0.600	-.085963	.1471012
st_ID	.0099645	.0346434	0.29	0.775	-.059654	.079583
st_IL	.1183269	.0109824	10.77	0.000	.096257	.1403968
st_IN	.0209829	.0390974	0.54	0.594	-.0575862	.0995521
st_KS	.0776138	.0362767	2.14	0.037	.004713	.1505146
st_KY	.0577844	.0312004	1.85	0.070	-.0049152	.120484
st_LA	.1370278	.0258915	5.29	0.000	.0849969	.1890587
st_MA	.0944674	.0322131	2.93	0.005	.0297327	.1592021
st_MD	-.0484296	.0496301	-0.98	0.334	-.1481651	.0513058
st_ME	-.0520911	.0502705	-1.04	0.305	-.1531135	.0489314
st_MI	.1408394	.0201871	6.98	0.000	.1002719	.1814068
st_MN	.0265327	.0511096	0.52	0.606	-.0761758	.1292412
st_MO	.0270372	.0351092	0.77	0.445	-.0435174	.0975919
st_MS	.0811363	.0208481	3.89	0.000	.0392404	.1230321
st_MT	.7986899	.0481281	16.60	0.000	.7019727	.895407
st_NC	.076635	.0200633	3.82	0.000	.0363163	.1169537
st_ND	0	(omitted)				
st_NE	.0201354	.0623131	0.32	0.748	-.1050874	.1453582
st_NH	-.0015728	.0467012	-0.03	0.973	-.0954223	.0922767
st_NJ	.0973602	.02629	3.70	0.001	.0445284	.150192
st_NM	.0861084	.0300206	2.87	0.006	.0257797	.1464371
st_NV	.0909682	.0296192	3.07	0.003	.0314462	.1504903
st_NY	0	(omitted)				
st_OH	.0235446	.0263192	0.89	0.375	-.0293458	.076435
st_OK	.0499712	.0439913	1.14	0.262	-.0384326	.1383751
st_OR	.1237952	.0134617	9.20	0.000	.0967428	.1508476
st_PA	.0174972	.0296951	0.59	0.558	-.0421774	.0771717
st_PR	.2439605	.0958512	2.55	0.014	.0513403	.4365808
st_RI	.1006151	.037901	2.65	0.011	.0244501	.17678
st_SC	.0650737	.025907	2.51	0.015	.0130115	.1171358
st_SD	-.0333925	.0725898	-0.46	0.648	-.1792672	.1124823
st_TN	.1667095	.0420975	3.96	0.000	.0821114	.2513075
st_TX	.0270404	.0141301	1.91	0.062	-.0013552	.0554359
st_UT	.1072729	.0243428	4.41	0.000	.0583543	.1561915
st_VA	-.0067019	.054299	-0.12	0.902	-.1158198	.1024159
st_VT	.0482871	.0563133	0.86	0.395	-.0648787	.161453
st_WA	.0373218	.0132082	2.83	0.007	.0107788	.0638647
st_WI	.0602469	.0363074	1.66	0.103	-.0127156	.1332094
st_WV	-.0179356	.0202854	-0.88	0.381	-.0587005	.0228294
st_WY	-.09787	.0591996	-1.65	0.105	-.216836	.021096
tsd_unemp_mean	-.0303839	.0182546	-1.66	0.102	-.0670679	.0063
tsd_unemp_cng	-.0165934	.0192477	-0.86	0.393	-.0552731	.0220863
pial	.0000704	9.87e-06	7.13	0.000	.0000506	.0000903
pia_miss	.0676922	.014519	4.66	0.000	.0385152	.0968692
ime1	-.000023	3.88e-06	-5.93	0.000	-.0000309	-.0000152
ime_miss	-.0680524	.0076488	-8.90	0.000	-.0834233	-.0526816
_cons	.4467083	.1331032	3.36	0.002	.1792275	.7141892

(1) motoimm = 0

F(1, 49) = 0.01
 Prob > F = 0.9371

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_unemp.xls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
 F(46, 49) = .
 Prob > F = .
 R-squared = 0.0633
 Root MSE = .30876

(Std. Err. adjusted for 50 clusters in tsd_state)

twproll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0004065	.0019128	0.21	0.833	-.0034374	.0042505
male	-.0046491	.0032511	-1.43	0.159	-.0111825	.0018843
gendermiss_flag	-.0851572	.0032144	-26.49	0.000	-.0916168	-.0786975
tsd_age	-.0043564	.0002983	-14.60	0.000	-.0049558	-.003757
doage2	-8.05e-06	.000202	-0.04	0.968	-.0004139	.0003978
doage2miss_flag	-.1103304	.0419925	-2.63	0.011	-.1947175	-.0259433
race_a	-.003079	.0170076	-0.18	0.857	-.0372569	.031099
race_b	.0192881	.0040014	4.82	0.000	.0112469	.0273292
race_h	-9.75e-06	.0080697	-0.00	0.999	-.0162264	.0162069
race_i	-.0194141	.0124344	-1.56	0.125	-.0444019	.0055737
race_o	-.0397047	.0178061	-2.23	0.030	-.0754874	-.0039221
race_mis	-.0089112	.0129908	-0.69	0.496	-.0350172	.0171948
tsd_edu_hs	.0092663	.0036853	2.51	0.015	.0018604	.0166722
tsd_edu_mrhs	.0345424	.0045858	7.53	0.000	.0253269	.0437578
tsd_edu_mis	.0086558	.005497	1.57	0.122	-.0023908	.0197024
tsd_mie_exp	.0036989	.0082649	0.45	0.656	-.01291	.0203077
tsd_mie_mis	-.0057948	.0035084	-1.65	0.105	-.012845	.0012555
tsd_mie_psbl	.0053404	.0033949	1.57	0.122	-.0014819	.0121627
tsd_medicare	-.0321005	.0046061	-6.97	0.000	-.0413568	-.0228441
tsd_medicare_miss	-.0907545	.0066806	-13.58	0.000	-.1041797	-.0773294
tsd_depend_1	-.0053448	.0037225	-1.44	0.157	-.0128254	.0021358
tsd_depend_2	.0072663	.0048931	1.49	0.144	-.0025667	.0170993
tsd_depend_miss	-.0713455	.0132793	-5.37	0.000	-.0980313	-.0446596
tsd_vrpr	-.0821033	.0084682	-9.70	0.000	-.0991207	-.0650859
tsd_vrpr_miss	-.1363392	.005	-27.27	0.000	-.1463871	-.1262913
pdcgrou2	-.0388568	.0086422	-4.50	0.000	-.0562238	-.0214897
pdcgrou3	-.025896	.0057642	-4.49	0.000	-.0374796	-.0143125
pdcgrou4	-.0337096	.0058817	-5.73	0.000	-.0455294	-.0218899
pdcgrou5	-.0035811	.0282661	-0.13	0.900	-.060384	.0532218
cohort2000	-.0110984	.0062274	-1.78	0.081	-.0236128	.001416
cohort2001	-.0190709	.0092946	-2.05	0.046	-.0377491	-.0003928
cohort2002	-.0229517	.0188257	-1.22	0.229	-.0607834	.01488
cohort2003	.0631362	.0256314	2.46	0.017	.0116279	.1146445
cohort2004	-.0058858	.0304957	-0.19	0.848	-.0671693	.0553976
award_b4_tsd	.041927	.014022	2.99	0.004	.0137488	.0701052
diaward_tsd	-.0009054	.0003673	-2.46	0.017	-.0016436	-.0001672
epeb4twp_flag	.4285892	.1260745	3.40	0.001	.175233	.6819454
ldwb4twp_flag	-.0272382	.1113606	-0.24	0.808	-.2510256	.1965493
ldwb4epe_flag	.4100128	.0471587	8.69	0.000	.3152437	.5047818
twpb4tsd	-.1239693	.0042982	-28.84	0.000	-.1326068	-.1153318
epeb4tsd	-.0877425	.004188	-20.95	0.000	-.0961586	-.0793265
ldwb4tsd	-.0386154	.0030541	-12.64	0.000	-.0447528	-.032478
st_AL	-.0870362	.0338269	-2.57	0.013	-.1550139	-.0190585
st_AR	-.0561608	.0336594	-1.67	0.102	-.1238018	.0114803
st_AZ	.0330453	.0191879	1.72	0.091	-.0055142	.0716048

st_CA	.0161449	.0124635	1.30	0.201	-.0089014	.0411911
st_CO	-.0072523	.030659	-0.24	0.814	-.068864	.0543593
st_CT	-.0202116	.0429486	-0.47	0.640	-.10652	.0660969
st_DC	.2241351	.0162568	13.79	0.000	.1914657	.2568044
st_DE	-.0336315	.0575493	-0.58	0.562	-.1492812	.0820182
st_FL	.0048672	.0321162	0.15	0.880	-.0596726	.069407
st_GA	-.0103872	.0423487	-0.25	0.807	-.0954902	.0747157
st_HI	-.1663772	.0638831	-2.60	0.012	-.294755	-.0379993
st_IA	-.0308486	.0522908	-0.59	0.558	-.1359309	.0742336
st_ID	-.083381	.0327432	-2.55	0.014	-.1491809	-.0175811
st_IL	.027419	.0117289	2.34	0.024	.0038489	.0509892
st_IN	-.0703282	.0380139	-1.85	0.070	-.14672	.0060636
st_KS	-.0172851	.0335566	-0.52	0.609	-.0847195	.0501493
st_KY	-.0377476	.0301066	-1.25	0.216	-.0982491	.0227539
st_LA	.0446272	.0249299	1.79	0.080	-.0054713	.0947256
st_MA	.0242713	.0284804	0.85	0.398	-.0329622	.0815048
st_MD	-.0781282	.0473398	-1.65	0.105	-.1732611	.0170047
st_ME	-.1421987	.044814	-3.17	0.003	-.2322558	-.0521416
st_MI	.0356256	.0213596	1.67	0.102	-.0072982	.0785494
st_MN	-.0622181	.0490281	-1.27	0.210	-.1607437	.0363075
st_MO	-.0237568	.0332336	-0.71	0.478	-.0905422	.0430287
st_MS	-.0299161	.0246855	-1.21	0.231	-.0795235	.0196912
st_MT	.6789158	.0468428	14.49	0.000	.5847816	.77305
st_NC	-.0033015	.0236312	-0.14	0.889	-.0507902	.0441871
st_ND	0	(omitted)				
st_NE	-.0565911	.0569616	-0.99	0.325	-.1710597	.0578775
st_NH	-.0273898	.0414516	-0.66	0.512	-.1106898	.0559102
st_NJ	.0352372	.0253986	1.39	0.172	-.0158032	.0862776
st_NM	-.0121209	.0271838	-0.45	0.658	-.0667487	.042507
st_NV	.0276511	.0321678	0.86	0.394	-.0369926	.0922947
st_NY	0	(omitted)				
st_OH	-.0475866	.0250863	-1.90	0.064	-.0979993	.0028261
st_OK	-.0222766	.040539	-0.55	0.585	-.1037427	.0591895
st_OR	.0360962	.0159307	2.27	0.028	.0040823	.0681101
st_PA	-.0812602	.0288281	-2.82	0.007	-.1391924	-.0233279
st_PR	.1598533	.0851644	1.88	0.066	-.011291	.3309976
st_RI	.0020011	.0352574	0.06	0.955	-.0688513	.0728535
st_SC	-.0233958	.0258163	-0.91	0.369	-.0752756	.028484
st_SD	-.1031873	.0662399	-1.56	0.126	-.2363013	.0299267
st_TN	.0709454	.0427065	1.66	0.103	-.0148766	.1567673
st_TX	-.0788924	.0140816	-5.60	0.000	-.1071903	-.0505944
st_UT	.0033977	.0229085	0.15	0.883	-.0426386	.049434
st_VA	-.094077	.0503016	-1.87	0.067	-.1951619	.0070078
st_VT	-.0029042	.0502016	-0.06	0.954	-.1037881	.0979798
st_WA	-.0120164	.0158387	-0.76	0.452	-.0438455	.0198128
st_WI	-.0172071	.034963	-0.49	0.625	-.087468	.0530538
st_WV	-.1265231	.0184243	-6.87	0.000	-.1635481	-.0894982
st_WY	-.1877867	.0550216	-3.41	0.001	-.2983568	-.0772167
tsd_unemp_mean	-.0214402	.0163831	-1.31	0.197	-.0543633	.0114828
tsd_unemp_cng	-.0122335	.0239676	-0.51	0.612	-.0603982	.0359311
pial	.0000848	.0000125	6.78	0.000	.0000596	.0001099
pia_miss	.0797134	.0166203	4.80	0.000	.0463137	.1131131
ime1	-.0000278	4.50e-06	-6.18	0.000	-.0000368	-.0000187
ime_miss	-.0832161	.0073047	-11.39	0.000	-.0978953	-.0685368
_cons	.5466071	.120784	4.53	0.000	.3038827	.7893316

(1) motoimm = 0

F(1, 49) = 0.05
 Prob > F = 0.8326

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_unemp.xls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
 F(46, 49) = .
 Prob > F = .
 R-squared = 0.2523
 Root MSE = .15815

(Std. Err. adjusted for 50 clusters in tsd_state)

	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	

srvroll12						
motoimm	-.0005445	.0008084	-0.67	0.504	-.0021689	.00108
male	.0015689	.0018374	0.85	0.397	-.0021236	.0052614
gendermiss_flag	.000042	.0024738	0.02	0.987	-.0049293	.0050133
tsd_age	-.0003444	.0001741	-1.98	0.054	-.0006944	5.55e-06
doage2	-.0001251	.0001695	-0.74	0.464	-.0004657	.0002156
doage2miss_flag	-.0191095	.0096194	-1.99	0.053	-.0384405	.0002215
race_a	-.0007914	.006712	-0.12	0.907	-.0142797	.0126968
race_b	.000519	.0016465	0.32	0.754	-.0027899	.0038278
race_h	-.0063238	.0019722	-3.21	0.002	-.010287	-.0023606
race_i	-.0047342	.0116182	-0.41	0.685	-.0280818	.0186135
race_o	-.0067629	.0135825	-0.50	0.621	-.034058	.0205322
race_mis	-.0039308	.0073582	-0.53	0.596	-.0187177	.0108561
tsd_edu_hs	.0027478	.0016555	1.66	0.103	-.0005791	.0060747
tsd_edu_mrhs	.0084976	.0025215	3.37	0.001	.0034305	.0135648
tsd_edu_mis	.0016524	.0024467	0.68	0.503	-.0032644	.0065692
tsd_mie_exp	-.0048423	.008494	-0.57	0.571	-.0219117	.0122271
tsd_mie_mis	-.0063052	.0032831	-1.92	0.061	-.0129027	.0002924
tsd_mie_psbl	-.0054515	.0041114	-1.33	0.191	-.0137137	.0028108
tsd_medicare	-.0021618	.0015792	-1.37	0.177	-.0053353	.0010117
tsd_medicare_miss	-.0087675	.005391	-1.63	0.110	-.0196012	.0020661
tsd_depend_1	-.0014634	.001577	-0.93	0.358	-.0046325	.0017057
tsd_depend_2	-.0024493	.0014768	-1.66	0.104	-.005417	.0005185
tsd_depend_miss	-.0094121	.0041845	-2.25	0.029	-.0178211	-.0010031
tsd_vrpr	-.3373348	.0092462	-36.48	0.000	-.3559159	-.3187538
tsd_vrpr_miss	-.3651547	.0128373	-28.44	0.000	-.3909522	-.3393572
pdcgroup2	.0005578	.002681	0.21	0.836	-.0048299	.0059454
pdcgroup3	.0011247	.0025541	0.44	0.662	-.0040079	.0062573
pdcgroup4	.0055983	.0016512	3.39	0.001	.0022801	.0089165
pdcgroup5	.0122753	.0249059	0.49	0.624	-.037775	.0623257
cohort2000	-.0065187	.0027786	-2.35	0.023	-.0121025	-.000935
cohort2001	-.0121701	.0044515	-2.73	0.009	-.0211158	-.0032243
cohort2002	-.0174975	.007112	-2.46	0.017	-.0317897	-.0032053
cohort2003	-.042676	.0118409	-3.60	0.001	-.0664711	-.0188809
cohort2004	-.0483649	.0095048	-5.09	0.000	-.0674654	-.0292643
award_b4_tsd	-.0009228	.0065219	-0.14	0.888	-.0140292	.0121835
diaward_tsd	-.000614	.0001751	-3.51	0.001	-.0009658	-.0002622
epeb4twp_flag	-.0218477	.0236875	-0.92	0.361	-.0694496	.0257541
ldwb4twp_flag	-.0958016	.0350243	-2.74	0.009	-.1661856	-.0254175
ldwb4epe_flag	.0239809	.0271259	0.88	0.381	-.0305306	.0784925
twpb4tsd	.0082732	.0022993	3.60	0.001	.0036526	.0128938
epeb4tsd	-.0009172	.0043064	-0.21	0.832	-.0095713	.0077368
ldwb4tsd	.0021304	.0071703	0.30	0.768	-.0122789	.0165397
st_AL	-.1154733	.0147096	-7.85	0.000	-.1450333	-.0859133
st_AR	-.046744	.0149663	-3.12	0.003	-.0768199	-.0166681
st_AZ	-.0251524	.009728	-2.59	0.013	-.0447014	-.0056033

st_CA	-.0368496	.0054685	-6.74	0.000	-.0478391	-.0258602
st_CO	-.0229078	.0135647	-1.69	0.098	-.0501672	.0043515
st_CT	-.0269166	.0227638	-1.18	0.243	-.0726622	.018829
st_DC	-.0454513	.0058638	-7.75	0.000	-.057235	-.0336677
st_DE	.0066844	.0259955	0.26	0.798	-.0455555	.0589244
st_FL	-.0180129	.0131569	-1.37	0.177	-.0444527	.0084269
st_GA	-.0228872	.0188435	-1.21	0.230	-.0607547	.0149803
st_HI	-.0220942	.0247623	-0.89	0.377	-.0718559	.0276675
st_IA	-.0096013	.0248862	-0.39	0.701	-.0596121	.0404095
st_ID	-.0224077	.0147338	-1.52	0.135	-.0520163	.0072009
st_IL	-.013489	.0057369	-2.35	0.023	-.0250178	-.0019603
st_IN	.0105258	.0167531	0.63	0.533	-.0231409	.0441925
st_KS	-.0420294	.0161171	-2.61	0.012	-.074418	-.0096409
st_KY	-.0278675	.0127922	-2.18	0.034	-.0535743	-.0021606
st_LA	-.0276098	.0124841	-2.21	0.032	-.0526976	-.002522
st_MA	-.0211	.0150296	-1.40	0.167	-.0513031	.0091032
st_MD	-.0060898	.0213191	-0.29	0.776	-.0489322	.0367527
st_ME	-.0181479	.0229159	-0.79	0.432	-.0641991	.0279034
st_MI	.0121923	.0086931	1.40	0.167	-.0052771	.0296616
st_MN	-.0373087	.0210933	-1.77	0.083	-.0796973	.0050798
st_MO	-.0739855	.0151761	-4.88	0.000	-.104483	-.043488
st_MS	-.0587618	.0081265	-7.23	0.000	-.0750926	-.042431
st_MT	-.3837635	.0208644	-18.39	0.000	-.4256921	-.3418349
st_NC	-.0340019	.0077825	-4.37	0.000	-.0496415	-.0183624
st_ND	0	(omitted)				
st_NE	-.0150464	.0277872	-0.54	0.591	-.0708869	.0407941
st_NH	-.0438062	.019733	-2.22	0.031	-.0834611	-.0041513
st_NJ	.0218431	.0115031	1.90	0.063	-.0012733	.0449595
st_NM	-.0245033	.0139433	-1.76	0.085	-.0525233	.0035168
st_NV	-.036418	.0121716	-2.99	0.004	-.0608778	-.0119582
st_NY	0	(omitted)				
st_OH	-.0489289	.011216	-4.36	0.000	-.0714684	-.0263894
st_OK	-.0020206	.0192927	-0.10	0.917	-.0407908	.0367496
st_OR	-.034431	.0048067	-7.16	0.000	-.0440905	-.0247716
st_PA	-.0605829	.0130477	-4.64	0.000	-.0868031	-.0343626
st_PR	-.0427879	.0394188	-1.09	0.283	-.122003	.0364272
st_RI	-.0710098	.0161645	-4.39	0.000	-.1034936	-.038526
st_SC	-.0145374	.0114574	-1.27	0.210	-.0375618	.0084871
st_SD	-.0119412	.0309226	-0.39	0.701	-.0740825	.0502001
st_TN	-.058729	.016802	-3.50	0.001	-.0924938	-.0249642
st_TX	-.0159478	.0077826	-2.05	0.046	-.0315875	-.000308
st_UT	-.0990646	.0113545	-8.72	0.000	-.1218824	-.0762468
st_VA	-.0039567	.023987	-0.16	0.870	-.0521604	.0442469
st_VT	.0025586	.0242947	0.11	0.917	-.0462633	.0513806
st_WA	-.0827747	.0045424	-18.22	0.000	-.0919029	-.0736465
st_WI	.005799	.0154761	0.37	0.709	-.0253013	.0368993
st_WV	-.0967481	.0097591	-9.91	0.000	-.1163598	-.0771365
st_WY	-.0151678	.025656	-0.59	0.557	-.0667254	.0363899
tsd_unemp_mean	.0053848	.007619	0.71	0.483	-.0099261	.0206958
tsd_unemp_cng	-.000208	.0067985	-0.03	0.976	-.0138701	.013454
pial	.0000161	8.71e-06	1.85	0.070	-1.39e-06	.0000336
pia_miss	.0137451	.0067287	2.04	0.046	.0002232	.027267
ime1	-4.72e-06	2.80e-06	-1.69	0.098	-.0000103	9.07e-07
ime_miss	-.0082485	.0035667	-2.31	0.025	-.015416	-.001081
_cons	.3851867	.0529369	7.28	0.000	.2788059	.4915674

(1) motoimm = 0

F(1, 49) = 0.45
 Prob > F = 0.5038

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
 F(46, 49) = .
 Prob > F = .
 R-squared = 0.4013
 Root MSE = .17876

(Std. Err. adjusted for 50 clusters in tsd_state)

-----		Robust				
-----	srvroll24	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
	motoimm	-.0004855	.0009693	-0.50	0.619	-.0024335 .0014624
	male	.0018461	.0013483	1.37	0.177	-.0008633 .0045556
	gendermiss_flag	-.0046374	.0037039	-1.25	0.217	-.0120807 .002806
	tsd_age	-.0007442	.0002976	-2.50	0.016	-.0013422 -.0001463
	doage2	-.0001071	.0002993	-0.36	0.722	-.0007087 .0004944
	doage2miss_flag	-.0252067	.0179473	-1.40	0.166	-.0612732 .0108598
	race_a	.0015858	.0072035	0.22	0.827	-.0128902 .0160618
	race_b	-.0028319	.0019862	-1.43	0.160	-.0068233 .0011595
	race_h	-.0073371	.0026384	-2.78	0.008	-.0126392 -.0020351
	race_i	-.0024545	.006744	-0.36	0.717	-.016007 .011098
	race_o	-.0003825	.0093339	-0.04	0.967	-.0191397 .0183747
	race_mis	.0001663	.0077814	0.02	0.983	-.015471 .0158035
	tsd_edu_hs	.0030297	.0020567	1.47	0.147	-.0011033 .0071628
	tsd_edu_mrhs	.012398	.0024738	5.01	0.000	.0074268 .0173692
	tsd_edu_mis	.0016999	.0016997	1.00	0.322	-.0017158 .0051156
	tsd_mie_exp	-.004079	.0113455	-0.36	0.721	-.0268787 .0187207
	tsd_mie_mis	-.0055472	.0038185	-1.45	0.153	-.0132208 .0021265
	tsd_mie_psbl	-.0038879	.0052525	-0.74	0.463	-.0144431 .0066673
	tsd_medicare	-.0016427	.0022508	-0.73	0.469	-.0061659 .0028805
	tsd_medicare_miss	-.0069019	.0042106	-1.64	0.108	-.0153634 .0015596
	tsd_depend_1	-.0019309	.0025291	-0.76	0.449	-.0070133 .0031515
	tsd_depend_2	-.0015361	.0023255	-0.66	0.512	-.0062094 .0031373
	tsd_depend_miss	-.0046313	.0055328	-0.84	0.407	-.0157499 .0064872
	tsd_vrpr	-.5345156	.0098608	-54.21	0.000	-.5543317 -.5146996
	tsd_vrpr_miss	-.5846671	.0125172	-46.71	0.000	-.6098215 -.5595128
	pdcgrou2	-.0000575	.0036884	-0.02	0.988	-.0074697 .0073546
	pdcgrou3	.0049089	.003086	1.59	0.118	-.0012926 .0111105
	pdcgrou4	.0077666	.002673	2.91	0.005	.0023949 .0131382
	pdcgrou5	-.0001283	.0289921	-0.00	0.996	-.05839 .0581335
	cohort2000	-.0056924	.0030614	-1.86	0.069	-.0118444 .0004597
	cohort2001	-.0111085	.0051255	-2.17	0.035	-.0214085 -.0008084
	cohort2002	-.0146592	.0076807	-1.91	0.062	-.0300942 .0007758
	cohort2003	-.0525668	.009372	-5.61	0.000	-.0714006 -.0337331
	cohort2004	-.0762357	.0092088	-8.28	0.000	-.0947415 -.0577298
	award_b4_tsd	.0000452	.0058834	0.01	0.994	-.0117778 .0118683
	diaward_tsd	-.0006146	.0001825	-3.37	0.001	-.0009814 -.0002479
	epeb4twp_flag	-.039139	.0381366	-1.03	0.310	-.1157773 .0374993
	ldwb4twp_flag	-.1484686	.0500076	-2.97	0.005	-.2489626 -.0479745
	ldwb4epe_flag	.0121637	.028209	0.43	0.668	-.0445245 .0688518
	twpb4tsd	.0103315	.0026506	3.90	0.000	.0050049 .015658
	epeb4tsd	-.0055512	.0062931	-0.88	0.382	-.0181976 .0070952
	ldwb4tsd	.009024	.0083096	1.09	0.283	-.0076747 .0257227
	st_AL	-.0805624	.0194993	-4.13	0.000	-.1197478 -.0413771
	st_AR	-.0257153	.0200208	-1.28	0.205	-.0659486 .0145179
	st_AZ	.0255719	.0125995	2.03	0.048	.0002524 .0508914

st_CA	.0140091	.0085223	1.64	0.107	-.003117	.0311353
st_CO	.0281987	.0186566	1.51	0.137	-.0092932	.0656906
st_CT	.0261685	.0234066	1.12	0.269	-.0208688	.0732059
st_DC	-.009821	.010292	-0.95	0.345	-.0305035	.0108614
st_DE	.0311883	.0328435	0.95	0.347	-.0348133	.0971899
st_FL	.0304185	.0193475	1.57	0.122	-.0084617	.0692987
st_GA	.0282758	.0246037	1.15	0.256	-.0211671	.0777188
st_HI	.0014476	.0362374	0.04	0.968	-.0713743	.0742695
st_IA	.0283586	.0295172	0.96	0.341	-.0309585	.0876758
st_ID	.0171256	.0186378	0.92	0.363	-.0203285	.0545797
st_IL	.0445096	.0083393	5.34	0.000	.0277511	.0612682
st_IN	.0814848	.0230276	3.54	0.001	.0352092	.1277604
st_KS	-.0182288	.0206251	-0.88	0.381	-.0596765	.0232188
st_KY	.011794	.0186629	0.63	0.530	-.0257105	.0492985
st_LA	.0168167	.0162278	1.04	0.305	-.0157943	.0494277
st_MA	.020155	.0168994	1.19	0.239	-.0138056	.0541155
st_MD	-.0020718	.0270732	-0.08	0.939	-.0564774	.0523339
st_ME	.0106899	.0255493	0.42	0.677	-.0406532	.0620331
st_MI	.0589558	.0129414	4.56	0.000	.0329491	.0849626
st_MN	-.0191484	.0280798	-0.68	0.498	-.0755769	.0372801
st_MO	.00157	.0192697	0.08	0.935	-.037154	.040294
st_MS	-.027366	.0140244	-1.95	0.057	-.055549	.0008171
st_MT	-.5721209	.0272043	-21.03	0.000	-.6267901	-.5174518
st_NC	.022372	.0135198	1.65	0.104	-.004797	.0495411
st_ND	0	(omitted)				
st_NE	.0103614	.0335653	0.31	0.759	-.0570906	.0778134
st_NH	.0301615	.0231731	1.30	0.199	-.0164065	.0767296
st_NJ	.0926077	.0146708	6.31	0.000	.0631257	.1220896
st_NM	.0135061	.016431	0.82	0.415	-.0195132	.0465253
st_NV	-.0218062	.0191261	-1.14	0.260	-.0602415	.0166291
st_NY	0	(omitted)				
st_OH	.0379675	.0151733	2.50	0.016	.0074755	.0684594
st_OK	.0407865	.0239524	1.70	0.095	-.0073476	.0889206
st_OR	.0245832	.0067791	3.63	0.001	.0109601	.0382063
st_PA	-.0199395	.0170988	-1.17	0.249	-.0543009	.0144219
st_PR	.0609189	.0426398	1.43	0.159	-.024769	.1466068
st_RI	-.0671443	.0191845	-3.50	0.001	-.1056969	-.0285917
st_SC	.0342015	.0159451	2.14	0.037	.0021586	.0662445
st_SD	.0068323	.038563	0.18	0.860	-.070663	.0843275
st_TN	-.003892	.0249097	-0.16	0.876	-.0539499	.0461659
st_TX	.0152941	.0101022	1.51	0.136	-.005007	.0355951
st_UT	-.1044698	.0137865	-7.58	0.000	-.1321749	-.0767647
st_VA	.0084493	.0292661	0.29	0.774	-.0503631	.0672617
st_VT	.0527556	.0279374	1.89	0.065	-.0033867	.1088978
st_WA	-.057204	.0068233	-8.38	0.000	-.070916	-.043492
st_WI	.0486595	.0210514	2.31	0.025	.0063551	.0909639
st_WV	-.0994941	.0121261	-8.20	0.000	-.1238625	-.0751257
st_WY	.012077	.0325173	0.37	0.712	-.0532691	.077423
tsd_unemp_mean	-.0033818	.0085193	-0.40	0.693	-.0205019	.0137383
tsd_unemp_cng	-.0048668	.0110922	-0.44	0.663	-.0271574	.0174239
pial	.0000275	.0000131	2.11	0.040	1.27e-06	.0000537
pia_miss	.0177743	.0102149	1.74	0.088	-.0027532	.0383019
ime1	-.00001	3.61e-06	-2.78	0.008	-.0000173	-2.77e-06
ime_miss	-.0157579	.0045625	-3.45	0.001	-.0249266	-.0065892
_cons	.6167697	.0684191	9.01	0.000	.4792765	.7542629

(1) motoimm = 0

F(1, 49) = 0.25
 Prob > F = 0.6187

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
 F(46, 49) = .
 Prob > F = .
 R-squared = 0.5209
 Root MSE = .1797

(Std. Err. adjusted for 50 clusters in tsd_state)

-----	-----	-----	-----	-----	-----	-----
srvroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
-----	-----	-----	-----	-----	-----	-----
motoimm	-.0017097	.0010574	-1.62	0.112	-.0038345	.0004152
male	.0013732	.0018421	0.75	0.460	-.0023286	.0050751
gendermiss_flag	-.0038951	.0038081	-1.02	0.311	-.0115479	.0037577
tsd_age	-.0009664	.0003073	-3.14	0.003	-.001584	-.0003487
doage2	-.0001398	.0003151	-0.44	0.659	-.0007732	.0004935
doage2miss_flag	-.0295782	.0221242	-1.34	0.187	-.0740385	.014882
race_a	.0040039	.005361	0.75	0.459	-.0067695	.0147772
race_b	-.0029215	.001965	-1.49	0.143	-.0068702	.0010273
race_h	-.0075593	.0036912	-2.05	0.046	-.0149771	-.0001415
race_i	-.0082421	.0066414	-1.24	0.221	-.0215884	.0051043
race_o	-.0099449	.0085332	-1.17	0.249	-.0270929	.0072032
race_mis	-.0069814	.0094525	-0.74	0.464	-.0259769	.0120141
tsd_edu_hs	.0020083	.0016498	1.22	0.229	-.0013071	.0053237
tsd_edu_mrhs	.0149629	.0026994	5.54	0.000	.0095382	.0203876
tsd_edu_mis	-.0019251	.0020325	-0.95	0.348	-.0060095	.0021593
tsd_mie_exp	-.0072953	.0097287	-0.75	0.457	-.0268459	.0122553
tsd_mie_mis	-.0070394	.0025972	-2.71	0.009	-.0122586	-.0018201
tsd_mie_psbl	-.004331	.0042213	-1.03	0.310	-.0128139	.004152
tsd_medicare	.0011317	.0019642	0.58	0.567	-.0028155	.0050789
tsd_medicare_miss	-.0120559	.0045033	-2.68	0.010	-.0211056	-.0030061
tsd_depend_1	-.0034349	.0027216	-1.26	0.213	-.0089041	.0020342
tsd_depend_2	-.0021744	.0026327	-0.83	0.413	-.007465	.0031162
tsd_depend_miss	.0001554	.0058702	0.03	0.979	-.0116412	.0119521
tsd_vrpr	-.687008	.008339	-82.39	0.000	-.7037658	-.6702502
tsd_vrpr_miss	-.7497081	.0104027	-72.07	0.000	-.7706132	-.7288031
pdcgrou2	-.0006382	.0031411	-0.20	0.840	-.0069505	.0056741
pdcgrou3	.0043283	.0031201	1.39	0.172	-.0019418	.0105985
pdcgrou4	.0068422	.0021668	3.16	0.003	.0024879	.0111965
pdcgrou5	.0133599	.0267432	0.50	0.620	-.0403826	.0671024
cohort2000	-.0032515	.0029518	-1.10	0.276	-.0091834	.0026804
cohort2001	-.0054005	.0041445	-1.30	0.199	-.0137292	.0029282
cohort2002	-.0079055	.0085503	-0.92	0.360	-.0250879	.0092769
cohort2003	-.0296481	.0125845	-2.36	0.023	-.0549376	-.0043585
cohort2004	-.0470853	.0137467	-3.43	0.001	-.0747103	-.0194603
award_b4_tsd	-.0051164	.0068699	-0.74	0.460	-.0189221	.0086892
diaward_tsd	-.0005316	.0001354	-3.93	0.000	-.0008036	-.0002596
epeb4twp_flag	-.0836703	.0391932	-2.13	0.038	-.162432	-.0049087
ldwb4twp_flag	.0008106	.0396288	0.02	0.984	-.0788265	.0804477
ldwb4epe_flag	.0124435	.0221396	0.56	0.577	-.0320476	.0569346
twpb4tsd	.007476	.0029295	2.55	0.014	.0015889	.013363
epeb4tsd	-.0077123	.0063369	-1.22	0.229	-.0204468	.0050221
ldwb4tsd	.0111591	.0074033	1.51	0.138	-.0037185	.0260366
st_AL	-.2395524	.0311417	-7.69	0.000	-.302134	-.1769707
st_AR	-.1574841	.030754	-5.12	0.000	-.2192866	-.0956815
st_AZ	-.068687	.0182457	-3.76	0.000	-.105353	-.0320209

st_CA	-.0659727	.0094614	-6.97	0.000	-.0849862	-.0469592
st_CO	-.0840013	.0275666	-3.05	0.004	-.1393984	-.0286042
st_CT	-.1047389	.0441824	-2.37	0.022	-.1935267	-.0159511
st_DC	.2270208	.0102971	22.05	0.000	.2063279	.2477136
st_DE	-.1078222	.0541211	-1.99	0.052	-.2165825	.0009381
st_FL	-.0813177	.0264638	-3.07	0.003	-.1344986	-.0281368
st_GA	-.1050987	.0387433	-2.71	0.009	-.1829563	-.027241
st_HI	-.1477487	.0535038	-2.76	0.008	-.2552687	-.0402287
st_IA	-.1040635	.0518979	-2.01	0.050	-.2083562	.0002292
st_ID	-.1004816	.0293603	-3.42	0.001	-.1594834	-.0414798
st_IL	-.0426645	.010259	-4.16	0.000	-.0632808	-.0220482
st_IN	-.0414715	.0346492	-1.20	0.237	-.1111018	.0281587
st_KS	-.0993828	.0329982	-3.01	0.004	-.1656952	-.0330703
st_KY	-.1014539	.0262174	-3.87	0.000	-.1541398	-.048768
st_LA	-.0885126	.0238455	-3.71	0.001	-.1364319	-.0405932
st_MA	-.0881908	.0289051	-3.05	0.004	-.1462777	-.0301038
st_MD	-.1547508	.0450183	-3.44	0.001	-.2452184	-.0642832
st_ME	-.1222557	.0452807	-2.70	0.009	-.2132505	-.0312608
st_MI	-.0368586	.0170934	-2.16	0.036	-.071209	-.0025082
st_MN	-.0842197	.0443045	-1.90	0.063	-.1732528	.0048135
st_MO	-.1413731	.0316269	-4.47	0.000	-.2049297	-.0778165
st_MS	-.142931	.0152715	-9.36	0.000	-.1736203	-.1122417
st_MT	.1362696	.0464685	2.93	0.005	.0428876	.2296516
st_NC	-.091704	.0149573	-6.13	0.000	-.1217618	-.0616461
st_ND	0	(omitted)				
st_NE	-.1351367	.0559442	-2.42	0.019	-.2475609	-.0227126
st_NH	-.0482663	.0406517	-1.19	0.241	-.1299589	.0334263
st_NJ	-.0351849	.0229169	-1.54	0.131	-.081238	.0108683
st_NM	-.0957027	.0262513	-3.65	0.001	-.1484566	-.0429487
st_NV	-.1551336	.0249097	-6.23	0.000	-.2051915	-.1050758
st_NY	0	(omitted)				
st_OH	-.0521529	.0233714	-2.23	0.030	-.0991194	-.0051863
st_OK	-.0845735	.0390055	-2.17	0.035	-.162958	-.0061891
st_OR	-.0530251	.0085033	-6.24	0.000	-.0701131	-.035937
st_PA	-.1288604	.0263688	-4.89	0.000	-.1818505	-.0758704
st_PR	.0642479	.0856838	0.75	0.457	-.1079402	.236436
st_RI	-.0666147	.0330571	-2.02	0.049	-.1330454	-.0001839
st_SC	-.0709321	.0226219	-3.14	0.003	-.1163924	-.0254717
st_SD	-.1484063	.0647846	-2.29	0.026	-.2785958	-.0182168
st_TN	-.1038802	.0356453	-2.91	0.005	-.1755121	-.0322484
st_TX	-.0955714	.0133024	-7.18	0.000	-.1223036	-.0688392
st_UT	-.24802	.0221087	-11.22	0.000	-.2924491	-.203591
st_VA	-.1410237	.0485078	-2.91	0.005	-.2385037	-.0435436
st_VT	-.0695212	.0509067	-1.37	0.178	-.171822	.0327795
st_WA	-.163296	.0079249	-20.61	0.000	-.1792217	-.1473703
st_WI	-.0598668	.0321295	-1.86	0.068	-.1244334	.0046998
st_WV	-.2394235	.0208254	-11.50	0.000	-.2812737	-.1975734
st_WY	-.1287368	.0515482	-2.50	0.016	-.2323268	-.0251468
tsd_unemp_mean	-.0210499	.0160592	-1.31	0.196	-.053322	.0112222
tsd_unemp_cng	-.0207589	.0113979	-1.82	0.075	-.0436638	.002146
pial	.0000156	.0000153	1.02	0.312	-.0000151	.0000464
pia_miss	.0060823	.0113622	0.54	0.595	-.016751	.0289155
ime1	-5.19e-06	3.57e-06	-1.46	0.152	-.0000124	1.98e-06
ime_miss	-.0102832	.0047406	-2.17	0.035	-.0198099	-.0007566
_cons	1.002524	.1190332	8.42	0.000	.7633178	1.24173

(1) motoimm = 0

F(1, 49) = 2.61
 Prob > F = 0.1123

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs =	43043
F(46, 49) =	.
Prob > F =	.
R-squared =	0.5902
Root MSE =	.17905

(Std. Err. adjusted for 50 clusters in tsd_state)

-----		Robust				
-----	srvroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]
	motoimm	-.0008348	.0010944	-0.76	0.449	-.0030341 .0013644
	male	.000187	.0021598	0.09	0.931	-.0041532 .0045273
	gendermiss_flag	-.0109372	.0029358	-3.73	0.001	-.016837 -.0050374
	tsd_age	-.0010854	.0002529	-4.29	0.000	-.0015935 -.0005772
	doage2	-.0001814	.000251	-0.72	0.473	-.0006858 .000323
	doage2miss_flag	-.035426	.0251347	-1.41	0.165	-.0859361 .0150841
	race_a	-.0003176	.0060891	-0.05	0.959	-.0125542 .011919
	race_b	-.0042954	.0022449	-1.91	0.062	-.0088067 .0002159
	race_h	-.0074823	.0046307	-1.62	0.113	-.016788 .0018234
	race_i	-.0078071	.0056095	-1.39	0.170	-.0190797 .0034656
	race_o	-.0086396	.0055602	-1.55	0.127	-.0198132 .0025341
	race_mis	-.0134236	.0086669	-1.55	0.128	-.0308405 .0039932
	tsd_edu_hs	.0025645	.0018796	1.36	0.179	-.0012127 .0063417
	tsd_edu_mrhs	.0163922	.0030094	5.45	0.000	.0103446 .0224397
	tsd_edu_mis	.0000498	.0036824	0.01	0.989	-.0073502 .0074499
	tsd_mie_exp	-.0112498	.0096546	-1.17	0.250	-.0306515 .0081518
	tsd_mie_mis	-.0068374	.0020027	-3.41	0.001	-.0108619 -.0028129
	tsd_mie_psbl	-.0066383	.0037595	-1.77	0.084	-.0141934 .0009168
	tsd_medicare	-.0015564	.002171	-0.72	0.477	-.0059193 .0028065
	tsd_medicare_miss	-.0142516	.0048882	-2.92	0.005	-.0240749 -.0044283
	tsd_depend_1	-.0032531	.0025801	-1.26	0.213	-.008438 .0019318
	tsd_depend_2	-.0035294	.0029415	-1.20	0.236	-.0094406 .0023819
	tsd_depend_miss	-.0031651	.004841	-0.65	0.516	-.0128935 .0065632
	tsd_vrpr	-.7847344	.0129209	-60.73	0.000	-.8106999 -.7587689
	tsd_vrpr_miss	-.8592894	.0077647	-110.67	0.000	-.8748931 -.8436857
	pdcgrou2	-.0003521	.0034404	-0.10	0.919	-.0072659 .0065617
	pdcgrou3	.0033597	.0026455	1.27	0.210	-.0019567 .008676
	pdcgrou4	.0075831	.0027763	2.73	0.009	.002004 .0131622
	pdcgrou5	.0293404	.0481943	0.61	0.545	-.0675097 .1261906
	cohort2000	-.0027423	.0032338	-0.85	0.401	-.0092408 .0037563
	cohort2001	-.004511	.0051981	-0.87	0.390	-.0149569 .0059349
	cohort2002	-.0021003	.010497	-0.20	0.842	-.0231949 .0189943
	cohort2003	-.0047891	.0114383	-0.42	0.677	-.0277752 .0181971
	cohort2004	-.035148	.0178198	-1.97	0.054	-.0709582 .0006622
	award_b4_tsd	-.0081892	.0056326	-1.45	0.152	-.0195083 .0031299
	diaward_tsd	-.0005044	.0001887	-2.67	0.010	-.0008837 -.0001252
	epeb4twp_flag	-.0964853	.0433833	-2.22	0.031	-.1836673 -.0093033
	ldwb4twp_flag	-.0275045	.0367632	-0.75	0.458	-.101383 .046374
	ldwb4epe_flag	.0188482	.0208137	0.91	0.370	-.0229786 .060675
	twpb4tsd	.0073896	.003174	2.33	0.024	.0010112 .0137679
	epeb4tsd	-.0050149	.0048017	-1.04	0.301	-.0146642 .0046344
	ldwb4tsd	.0076683	.0064855	1.18	0.243	-.0053647 .0207014
	st_AL	-.1755448	.0291786	-6.02	0.000	-.2341814 -.1169083
	st_AR	-.1237999	.0293927	-4.21	0.000	-.1828667 -.0647331
	st_AZ	-.0293974	.0170839	-1.72	0.092	-.0637288 .0049339

st_CA	-.0276853	.0087107	-3.18	0.003	-.0451902	-.0101804
st_CO	-.0432741	.0259904	-1.67	0.102	-.0955038	.0089555
st_CT	-.0735601	.0434401	-1.69	0.097	-.1608563	.0137361
st_DC	.2565893	.011699	21.93	0.000	.2330793	.2800993
st_DE	-.052955	.051651	-1.03	0.310	-.1567516	.0508416
st_FL	-.0325549	.0246826	-1.32	0.193	-.0821565	.0170466
st_GA	-.0784706	.0367185	-2.14	0.038	-.1522591	-.0046821
st_HI	-.0955804	.0510762	-1.87	0.067	-.1982219	.0070611
st_IA	-.053905	.0498023	-1.08	0.284	-.1539865	.0461765
st_ID	-.065217	.0278953	-2.34	0.024	-.1212747	-.0091594
st_IL	-.0047625	.0092955	-0.51	0.611	-.0234425	.0139176
st_IN	.0007692	.0328737	0.02	0.981	-.065293	.0668313
st_KS	-.067825	.0315305	-2.15	0.036	-.1311878	-.0044621
st_KY	-.0616623	.024926	-2.47	0.017	-.111753	-.0115715
st_LA	-.0480424	.0218328	-2.20	0.033	-.091917	-.0041677
st_MA	-.0471177	.0274102	-1.72	0.092	-.1022006	.0079652
st_MD	-.1239747	.0424969	-2.92	0.005	-.2093753	-.038574
st_ME	-.084001	.0432404	-1.94	0.058	-.1708958	.0028939
st_MI	-.0125553	.0163969	-0.77	0.448	-.045506	.0203955
st_MN	-.0473034	.0423215	-1.12	0.269	-.1323516	.0377447
st_MO	-.0722234	.0301534	-2.40	0.020	-.132819	-.0116277
st_MS	-.11196	.0140332	-7.98	0.000	-.1401608	-.0837592
st_MT	.0723808	.0452508	1.60	0.116	-.0185541	.1633158
st_NC	-.0615832	.0136998	-4.50	0.000	-.0891139	-.0340525
st_ND	0	(omitted)				
st_NE	-.0911068	.0526409	-1.73	0.090	-.1968926	.0146791
st_NH	-.0150545	.0388748	-0.39	0.700	-.0931764	.0630674
st_NJ	.0078478	.021455	0.37	0.716	-.0352677	.0509633
st_NM	-.0594652	.024697	-2.41	0.020	-.1090957	-.0098348
st_NV	-.0893209	.0240678	-3.71	0.001	-.137687	-.0409547
st_NY	0	(omitted)				
st_OH	-.0216074	.0222203	-0.97	0.336	-.0662607	.023046
st_OK	-.0396433	.0370234	-1.07	0.290	-.1140445	.0347579
st_OR	-.0147236	.0086621	-1.70	0.096	-.0321306	.0026835
st_PA	-.0814395	.0251297	-3.24	0.002	-.1319395	-.0309395
st_PR	.0693961	.0814868	0.85	0.399	-.0943577	.2331499
st_RI	-.0481335	.0321867	-1.50	0.141	-.1128152	.0165481
st_SC	-.0289871	.0210599	-1.38	0.175	-.0713085	.0133344
st_SD	-.0989735	.0614338	-1.61	0.114	-.2224294	.0244824
st_TN	-.0703617	.0337938	-2.08	0.043	-.1382728	-.0024506
st_TX	-.0710533	.0122567	-5.80	0.000	-.095684	-.0464226
st_UT	-.2377705	.0213659	-11.13	0.000	-.280707	-.1948341
st_VA	-.1054846	.045982	-2.29	0.026	-.1978889	-.0130804
st_VT	-.0030378	.0486486	-0.06	0.950	-.1008009	.0947254
st_WA	-.1441071	.0074334	-19.39	0.000	-.1590451	-.129169
st_WI	-.0086803	.0304462	-0.29	0.777	-.0698642	.0525036
st_WV	-.2333387	.019797	-11.79	0.000	-.2731222	-.1935552
st_WY	-.0806192	.0491885	-1.64	0.108	-.1794671	.0182287
tsd_unemp_mean	-.017557	.0154542	-1.14	0.261	-.0486134	.0134994
tsd_unemp_cng	-.0114206	.0110097	-1.04	0.305	-.0335454	.0107042
pial	6.01e-06	.0000123	0.49	0.627	-.0000187	.0000307
pia_miss	.0003694	.0089163	0.04	0.967	-.0175485	.0182873
ime1	-3.66e-06	3.29e-06	-1.11	0.272	-.0000103	2.96e-06
ime_miss	-.0087654	.0059478	-1.47	0.147	-.0207181	.0031872
_cons	1.059461	.1141976	9.28	0.000	.8299719	1.288949

(1) motoimm = 0

F(1, 49) = 0.58
 Prob > F = 0.4492

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
 F(46, 49) = .
 Prob > F = .
 R-squared = 0.4056
 Root MSE = 1.1264

(Std. Err. adjusted for 50 clusters in tsd_state)

nstw12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0021614	.0054884	-0.39	0.695	-.0131907	.0088679
male	.0151566	.0077639	1.95	0.057	-.0004456	.0307588
gendermiss_flag	-.0810984	.0161995	-5.01	0.000	-.1136525	-.0485443
tsd_age	-.0056392	.0013637	-4.14	0.000	-.0083797	-.0028987
doage2	.0002133	.0012544	0.17	0.866	-.0023074	.002734
doage2miss_flag	.0410803	.0262113	1.57	0.123	-.0115933	.0937539
race_a	.015885	.0488576	0.33	0.746	-.0822981	.1140681
race_b	.0470247	.0253561	1.85	0.070	-.0039304	.0979797
race_h	.0254551	.0132586	1.92	0.061	-.0011891	.0520994
race_i	-.0208562	.0439517	-0.47	0.637	-.1091804	.0674679
race_o	-.0071631	.0551394	-0.13	0.897	-.1179699	.1036437
race_mis	.0533348	.032508	1.64	0.107	-.0119925	.1186621
tsd_edu_hs	.0167825	.0112936	1.49	0.144	-.0059128	.0394778
tsd_edu_mrhs	.0603352	.0144484	4.18	0.000	.0313	.0893704
tsd_edu_mis	.0296772	.01832	1.62	0.112	-.0071382	.0664925
tsd_mie_exp	-.0010863	.0273012	-0.04	0.968	-.0559501	.0537776
tsd_mie_mis	.0200239	.0172889	1.16	0.252	-.0147194	.0547673
tsd_mie_psbl	-.0182	.0176555	-1.03	0.308	-.0536802	.0172801
tsd_medicare	-.0788377	.011432	-6.90	0.000	-.1018111	-.0558643
tsd_medicare_miss	-.0282284	.0173714	-1.62	0.111	-.0631377	.0066808
tsd_depend_1	-.0301055	.0112455	-2.68	0.010	-.0527041	-.0075069
tsd_depend_2	-.0314409	.0152834	-2.06	0.045	-.062154	-.0007278
tsd_depend_miss	.0480778	.0293988	1.64	0.108	-.0110013	.107157
tsd_vrpr	.0765446	.0276144	2.77	0.008	.0210514	.1320378
tsd_vrpr_miss	.1163742	.0259685	4.48	0.000	.0641885	.1685599
pdcgrou2	-.0244525	.0137779	-1.77	0.082	-.0521401	.0032352
pdcgrou3	.0266928	.0305741	0.87	0.387	-.0347482	.0881338
pdcgrou4	.0447099	.0120403	3.71	0.001	.020514	.0689059
pdcgrou5	-.0488008	.0389804	-1.25	0.217	-.1271347	.0295332
cohort2000	.0575557	.0198147	2.90	0.006	.0177367	.0973747
cohort2001	.0432169	.0402079	1.07	0.288	-.0375839	.1240178
cohort2002	.0304706	.0541954	0.56	0.577	-.0784392	.1393804
cohort2003	.1128116	.0718999	1.57	0.123	-.0316765	.2572998
cohort2004	.2286238	.0718552	3.18	0.003	.0842253	.3730223
award_b4_tsd	-.0063852	.0182287	-0.35	0.728	-.0430171	.0302468
diaward_tsd	.0002118	.0018954	0.11	0.911	-.0035972	.0040208
epeb4twp_flag	-.2199169	1.169585	-0.19	0.852	-2.570285	2.130451
ldwb4twp_flag	1.345189	.8710782	1.54	0.129	-.4053081	3.095686
ldwb4epe_flag	.7391641	.3234569	2.29	0.027	.0891531	1.389175
twpb4tsd	.9901088	.0385067	25.71	0.000	.9127266	1.067491
epeb4tsd	1.049349	.0971439	10.80	0.000	.8541315	1.244567
ldwb4tsd	5.669298	.1309318	43.30	0.000	5.406181	5.932415
st_AL	.2715737	.1432463	1.90	0.064	-.0162906	.5594379
st_AR	-.3354104	.1361948	-2.46	0.017	-.6091041	-.0617166
st_AZ	-.1910871	.082546	-2.31	0.025	-.3569694	-.0252047

st_CA	.1186077	.0379192	3.13	0.003	.0424062	.1948091
st_CO	-.3033286	.1232921	-2.46	0.017	-.5510934	-.0555638
st_CT	-.3488709	.2165018	-1.61	0.114	-.7839476	.0862059
st_DC	1.925934	.0367657	52.38	0.000	1.852051	1.999818
st_DE	-.6271948	.2487733	-2.52	0.015	-1.127123	-.1272663
st_FL	-.2407472	.1140068	-2.11	0.040	-.4698525	-.011642
st_GA	-.3557182	.1773042	-2.01	0.050	-.7120244	.000588
st_HI	-.7033857	.2434572	-2.89	0.006	-1.192631	-.2141401
st_IA	-.6895197	.242214	-2.85	0.006	-1.176267	-.2027725
st_ID	-.5775847	.1309189	-4.41	0.000	-.8406761	-.3144933
st_IL	-.04165	.0437986	-0.95	0.346	-.1296666	.0463665
st_IN	-.5827015	.1560577	-3.73	0.000	-.8963113	-.2690917
st_KS	-.4711669	.1475694	-3.19	0.002	-.7677188	-.174615
st_KY	-.4143446	.1138802	-3.64	0.001	-.6431954	-.1854938
st_LA	.3123272	.1069744	2.92	0.005	.0973541	.5273003
st_MA	-.3387911	.1387026	-2.44	0.018	-.6175243	-.0600579
st_MD	1.005308	.2050531	4.90	0.000	.5932381	1.417377
st_ME	-.7491756	.209093	-3.58	0.001	-1.169364	-.3289875
st_MI	.390672	.0765393	5.10	0.000	.2368604	.5444836
st_MN	-.2719035	.1997044	-1.36	0.180	-.6732244	.1294175
st_MO	-.3280121	.1454643	-2.25	0.029	-.6203335	-.0356906
st_MS	-.1531036	.0589904	-2.60	0.012	-.2716493	-.0345579
st_MT	-.5366047	.2044467	-2.62	0.012	-.9474556	-.1257537
st_NC	-.2763196	.0604606	-4.57	0.000	-.3978196	-.1548195
st_ND	0	(omitted)				
st_NE	-1.079	.261284	-4.13	0.000	-1.60407	-.5539302
st_NH	-.007961	.1900729	-0.04	0.967	-.3899267	.3740047
st_NJ	-.2218832	.1059225	-2.09	0.041	-.4347423	-.009024
st_NM	-.4619225	.1239078	-3.73	0.001	-.7109246	-.2129204
st_NV	.3411188	.1143033	2.98	0.004	.1114178	.5708198
st_NY	0	(omitted)				
st_OH	.8122534	.1054637	7.70	0.000	.6003162	1.024191
st_OK	-.4890725	.1791863	-2.73	0.009	-.849161	-.1289841
st_OR	.1275284	.0412312	3.09	0.003	.0446712	.2103857
st_PA	-.041343	.1215072	-0.34	0.735	-.2855209	.2028348
st_PR	1.119018	.4029398	2.78	0.008	.3092799	1.928755
st_RI	.7513264	.1500649	5.01	0.000	.4497596	1.052893
st_SC	-.2330208	.1006948	-2.31	0.025	-.4353747	-.0306669
st_SD	.5660205	.2971499	1.90	0.063	-.0311246	1.163166
st_TN	.0610855	.1556524	0.39	0.696	-.2517097	.3738807
st_TX	.2201473	.0563039	3.91	0.000	.1070004	.3332941
st_UT	.9380479	.1071529	8.75	0.000	.7227161	1.15338
st_VA	-.2380718	.2285887	-1.04	0.303	-.6974381	.2212945
st_VT	-.7404473	.2385552	-3.10	0.003	-1.219842	-.2610527
st_WA	.404314	.0355822	11.36	0.000	.3328089	.475819
st_WI	-.3498269	.1431889	-2.44	0.018	-.6375757	-.0620781
st_WV	-.1889275	.0977436	-1.93	0.059	-.3853506	.0074955
st_WY	-.7418939	.2396695	-3.10	0.003	-1.223528	-.2602599
tsd_unemp_mean	-.2350052	.0756649	-3.11	0.003	-.3870595	-.0829508
tsd_unemp_cng	.0014077	.0528631	0.03	0.979	-.1048247	.1076402
pial	-.0001874	.0001018	-1.84	0.072	-.000392	.0000171
pia_miss	-.3234964	.08991	-3.60	0.001	-.5041772	-.1428155
ime1	.0000921	.0000373	2.47	0.017	.0000172	.000167
ime_miss	.1618099	.0656315	2.47	0.017	.0299185	.2937013
_cons	1.700258	.5296787	3.21	0.002	.6358283	2.764687

(1) motoimm = 0

F(1, 49) = 0.16
 Prob > F = 0.6954

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs =	43043
F(46, 49) =	.
Prob > F =	.
R-squared =	0.3289
Root MSE =	2.62

(Std. Err. adjusted for 50 clusters in tsd_state)

nstw24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.006942	.0099073	-0.70	0.487	-.0268515	.0129675
male	.0321217	.0189324	1.70	0.096	-.0059244	.0701679
gendermiss_flag	-.2270348	.0396268	-5.73	0.000	-.3066678	-.1474019
tsd_age	-.0219857	.0026604	-8.26	0.000	-.0273319	-.0166394
doage2	.0013823	.0029223	0.47	0.638	-.0044903	.0072549
doage2miss_flag	.0453422	.1081582	0.42	0.677	-.1720099	.2626942
race_a	.1806393	.1259623	1.43	0.158	-.0724913	.43377
race_b	.1154476	.0560369	2.06	0.045	.0028373	.228058
race_h	.1236714	.0294446	4.20	0.000	.0645002	.1828426
race_i	-.0836555	.0946997	-0.88	0.381	-.2739617	.1066507
race_o	-.0966912	.1203614	-0.80	0.426	-.3385664	.145184
race_mis	.0898365	.0706363	1.27	0.209	-.0521125	.2317856
tsd_edu_hs	.0475187	.0260016	1.83	0.074	-.0047336	.0997709
tsd_edu_mrhs	.2180236	.0375797	5.80	0.000	.1425044	.2935428
tsd_edu_mis	.1495789	.0495749	3.02	0.004	.0499545	.2492033
tsd_mie_exp	.0314064	.0641903	0.49	0.627	-.0975888	.1604017
tsd_mie_mis	.0289348	.0431549	0.67	0.506	-.0577882	.1156577
tsd_mie_psbl	-.0489137	.0367843	-1.33	0.190	-.1228346	.0250071
tsd_medicare	-.1962769	.0221601	-8.86	0.000	-.2408093	-.1517445
tsd_medicare_miss	-.180616	.0517032	-3.49	0.001	-.2845175	-.0767144
tsd_depend_1	-.1153879	.0206811	-5.58	0.000	-.1569481	-.0738276
tsd_depend_2	-.103323	.0353314	-2.92	0.005	-.174324	-.032322
tsd_depend_miss	.0858817	.0741743	1.16	0.253	-.0631771	.2349405
tsd_vrpr	.271719	.0560988	4.84	0.000	.1589842	.3844538
tsd_vrpr_miss	.3255985	.0545649	5.97	0.000	.2159462	.4352508
pdcgrou2	-.0761386	.0328125	-2.32	0.025	-.1420777	-.0101994
pdcgrou3	.0699568	.0561111	1.25	0.218	-.0428027	.1827164
pdcgrou4	.1284487	.0320363	4.01	0.000	.0640693	.1928281
pdcgrou5	.1267981	.2795551	0.45	0.652	-.434989	.6885851
cohort2000	.0843006	.0606991	1.39	0.171	-.0376787	.20628
cohort2001	.0332417	.1065256	0.31	0.756	-.1808296	.247313
cohort2002	.0316824	.1283974	0.25	0.806	-.2263417	.2897066
cohort2003	.1573153	.1558032	1.01	0.318	-.1557829	.4704135
cohort2004	.4521592	.1958602	2.31	0.025	.0585635	.845755
award_b4_tsd	.0125814	.0486709	0.26	0.797	-.0852265	.1103893
diaward_tsd	-.0044019	.0038312	-1.15	0.256	-.012101	.0032971
epeb4twp_flag	.3202472	1.898178	0.17	0.867	-3.494284	4.134779
ldwb4twp_flag	2.996471	.9758288	3.07	0.003	1.035469	4.957472
ldwb4epe_flag	2.995788	.6507885	4.60	0.000	1.687979	4.303596
twpb4tsd	3.01146	.1119134	26.91	0.000	2.786561	3.236358
epeb4tsd	1.810508	.1929934	9.38	0.000	1.422673	2.198343
ldwb4tsd	10.11541	.2081986	48.59	0.000	9.697023	10.5338
st_AL	-.4230419	.2887092	-1.47	0.149	-1.003225	.157141
st_AR	-.4972203	.2778114	-1.79	0.080	-1.055503	.0610626
st_AZ	-.4592096	.1640291	-2.80	0.007	-.7888384	-.1295808

st_CA	.3084371	.0848695	3.63	0.001	.1378856	.4789887
st_CO	-.8393271	.253185	-3.32	0.002	-1.348121	-.3305327
st_CT	-.8927641	.4055319	-2.20	0.032	-1.707711	-.0778172
st_DC	5.679916	.0951697	59.68	0.000	5.488665	5.871167
st_DE	-1.837642	.4880822	-3.77	0.000	-2.818479	-.8568038
st_FL	-.6934208	.2427706	-2.86	0.006	-1.181287	-.205555
st_GA	-1.177804	.3535916	-3.33	0.002	-1.888373	-.467235
st_HI	-2.15176	.5033503	-4.27	0.000	-3.16328	-1.140239
st_IA	-2.009405	.467257	-4.30	0.000	-2.948393	-1.070417
st_ID	-1.721876	.2696506	-6.39	0.000	-2.263759	-1.179993
st_IL	-.0561658	.0909465	-0.62	0.540	-.2389296	.126598
st_IN	-1.654012	.319112	-5.18	0.000	-2.295291	-1.012732
st_KS	-1.342535	.2914177	-4.61	0.000	-1.928161	-.7569096
st_KY	-1.249492	.2379801	-5.25	0.000	-1.727731	-.771253
st_LA	-.9531451	.2311022	-4.12	0.000	-1.417562	-.4887279
st_MA	-.8574238	.2633469	-3.26	0.002	-1.386639	-.3282083
st_MD	1.158391	.4068542	2.85	0.006	.3407872	1.975995
st_ME	-.7442197	.4056888	-1.83	0.073	-1.559482	.0710425
st_MI	.5317595	.1640469	3.24	0.002	.202095	.861424
st_MN	-.9597813	.4026037	-2.38	0.021	-1.768844	-.1507188
st_MO	-1.184783	.2930375	-4.04	0.000	-1.773664	-.5959018
st_MS	-.5298164	.1478625	-3.58	0.001	-.8269573	-.2326756
st_MT	-1.712799	.4031298	-4.25	0.000	-2.522919	-.9026797
st_NC	-.8751588	.1521028	-5.75	0.000	-1.180821	-.5694968
st_ND	0	(omitted)				
st_NE	-2.871163	.520509	-5.52	0.000	-3.917165	-1.825161
st_NH	-.5179659	.3719454	-1.39	0.170	-1.265418	.2294863
st_NJ	-1.030805	.2134196	-4.83	0.000	-1.459688	-.6019227
st_NM	-1.286596	.2357838	-5.46	0.000	-1.760422	-.8127711
st_NV	.3392708	.2555321	1.33	0.190	-.1742403	.8527818
st_NY	0	(omitted)				
st_OH	1.448342	.2090674	6.93	0.000	1.028206	1.868479
st_OK	-1.37745	.3506613	-3.93	0.000	-2.08213	-.6727701
st_OR	.3844255	.0814237	4.72	0.000	.2207985	.5480526
st_PA	-.1155621	.2457692	-0.47	0.640	-.6094537	.3783296
st_PR	3.317413	.7550077	4.39	0.000	1.800168	4.834658
st_RI	2.360065	.2890246	8.17	0.000	1.779249	2.940882
st_SC	-.6576773	.2046957	-3.21	0.002	-1.069029	-.2463258
st_SD	1.462956	.5915249	2.47	0.017	.2742418	2.651669
st_TN	-.6865911	.3315244	-2.07	0.044	-1.352814	-.020368
st_TX	.2157612	.1194518	1.81	0.077	-.0242862	.4558086
st_UT	1.482544	.2162888	6.85	0.000	1.047895	1.917192
st_VA	-.6496127	.4488331	-1.45	0.154	-1.551577	.2523511
st_VT	-2.028395	.4556178	-4.45	0.000	-2.943993	-1.112797
st_WA	1.494639	.0731078	20.44	0.000	1.347724	1.641555
st_WI	-.9988909	.2918684	-3.42	0.001	-1.585422	-.4123595
st_WV	-.5693703	.1800632	-3.16	0.003	-.9312209	-.2075197
st_WY	-2.269482	.4635161	-4.90	0.000	-3.200952	-1.338011
tsd_unemp_mean	-.6810478	.1434396	-4.75	0.000	-.9693004	-.3927951
tsd_unemp_cng	-.0586546	.1389906	-0.42	0.675	-.3379667	.2206576
pial	-.0004072	.0001862	-2.19	0.034	-.0007814	-.0000329
pia_miss	-.832919	.1656226	-5.03	0.000	-1.16575	-.500088
ime1	.000219	.0000704	3.11	0.003	.0000774	.0003605
ime_miss	.3293192	.1276334	2.58	0.013	.0728302	.5858082
_cons	5.261869	1.014236	5.19	0.000	3.223687	7.300052

(1) motoimm = 0

F(1, 49) = 0.49
 Prob > F = 0.4868

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_unemp.xls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43043
 F(46, 49) = .
 Prob > F = .
 R-squared = 0.2718
 Root MSE = 4.3875

(Std. Err. adjusted for 50 clusters in tsd_state)

nstw36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0088316	.0184237	-0.48	0.634	-.0458554	.0281921
male	.0667631	.0369088	1.81	0.077	-.0074079	.140934
gendermiss_flag	-.4163312	.0675436	-6.16	0.000	-.5520652	-.2805972
tsd_age	-.0453605	.0045046	-10.07	0.000	-.0544129	-.0363081
doage2	.0030522	.0052065	0.59	0.560	-.0074106	.0135151
doage2miss_flag	-.0822273	.2400924	-0.34	0.733	-.564711	.4002564
race_a	.3152571	.2034032	1.55	0.128	-.0934969	.7240111
race_b	.2302111	.0759143	3.03	0.004	.0776555	.3827667
race_h	.2737596	.0594461	4.61	0.000	.1542982	.393221
race_i	-.101442	.1550454	-0.65	0.516	-.4130174	.2101334
race_o	-.2393093	.1862813	-1.28	0.205	-.6136556	.1350369
race_mis	.1277381	.112086	1.14	0.260	-.097507	.3529833
tsd_edu_hs	.1036654	.0313503	3.31	0.002	.0406647	.1666661
tsd_edu_mrhs	.4780228	.0615726	7.76	0.000	.354288	.6017577
tsd_edu_mis	.3269644	.0775994	4.21	0.000	.1710225	.4829062
tsd_mie_exp	.0248192	.1113905	0.22	0.825	-.1990284	.2486667
tsd_mie_mis	-.0089336	.0700103	-0.13	0.899	-.1496246	.1317573
tsd_mie_psbl	-.1105946	.0581647	-1.90	0.063	-.2274809	.0062918
tsd_medicare	-.3035379	.0391747	-7.75	0.000	-.3822623	-.2248134
tsd_medicare_miss	-.5056877	.0926668	-5.46	0.000	-.6919086	-.3194668
tsd_depend_1	-.2168148	.0408541	-5.31	0.000	-.298914	-.1347155
tsd_depend_2	-.1828671	.0522158	-3.50	0.001	-.2877987	-.0779354
tsd_depend_miss	.0784454	.1331254	0.59	0.558	-.18908	.3459709
tsd_vrpr	.4803014	.0916726	5.24	0.000	.2960784	.6645244
tsd_vrpr_miss	.4563047	.0919874	4.96	0.000	.271449	.6411604
pdcgrou2	-.1658424	.0527465	-3.14	0.003	-.2718404	-.0598444
pdcgrou3	.1219929	.072893	1.67	0.101	-.024491	.2684769
pdcgrou4	.236823	.0525776	4.50	0.000	.1311643	.3424816
pdcgrou5	.0122179	.3212124	0.04	0.970	-.6332826	.6577184
cohort2000	.0609394	.0902654	0.68	0.503	-.1204558	.2423345
cohort2001	-.034991	.1471771	-0.24	0.813	-.3307544	.2607724
cohort2002	.0013739	.1960268	0.01	0.994	-.3925568	.3953045
cohort2003	.4563001	.2770992	1.65	0.106	-.1005516	1.013152
cohort2004	.617213	.3143324	1.96	0.055	-.0144617	1.248888
award_b4_tsd	.0776937	.0998228	0.78	0.440	-.1229078	.2782952
diaward_tsd	-.0135478	.0048646	-2.78	0.008	-.0233235	-.0037721
epeb4twp_flag	.8563174	3.233672	0.26	0.792	-5.64199	7.354625
ldwb4twp_flag	4.565757	1.642646	2.78	0.008	1.264736	7.866778
ldwb4epe_flag	6.448007	.921433	7.00	0.000	4.596318	8.299696
twpb4tsd	5.026745	.2128043	23.62	0.000	4.599098	5.454391
epeb4tsd	2.446207	.2857041	8.56	0.000	1.872063	3.020351
ldwb4tsd	13.76773	.2870355	47.97	0.000	13.19091	14.34455
st_AL	-1.313752	.5010114	-2.62	0.012	-2.320572	-.3069323
st_AR	-.549957	.4920778	-1.12	0.269	-1.538824	.4389104
st_AZ	-.727046	.2858882	-2.54	0.014	-1.30156	-.1525323

st_CA	.3235664	.1614288	2.00	0.051	-.000837	.6479697
st_CO	-1.278797	.4444482	-2.88	0.006	-2.171949	-.3856449
st_CT	-.7767651	.6632746	-1.17	0.247	-2.109665	.556135
st_DC	9.018162	.1637032	55.09	0.000	8.689188	9.347136
st_DE	-2.57146	.8341425	-3.08	0.003	-4.247732	-.8951875
st_FL	-1.081205	.440812	-2.45	0.018	-1.96705	-.1953605
st_GA	-1.716077	.612696	-2.80	0.007	-2.947336	-.4848181
st_HI	-3.33925	.8842594	-3.78	0.000	-5.116236	-1.562265
st_IA	-2.915827	.7836477	-3.72	0.001	-4.490626	-1.341028
st_ID	-2.847648	.4600756	-6.19	0.000	-3.772205	-1.923092
st_IL	-.2028972	.1645606	-1.23	0.223	-.5335941	.1277997
st_IN	-1.852473	.5607386	-3.30	0.002	-2.979319	-.7256264
st_KS	-2.165211	.5040315	-4.30	0.000	-3.178101	-1.152322
st_KY	-2.125587	.4242546	-5.01	0.000	-2.978159	-1.273016
st_LA	-1.526215	.399568	-3.82	0.000	-2.329177	-.7232529
st_MA	-1.201731	.4377987	-2.74	0.008	-2.081521	-.321942
st_MD	1.101397	.6923875	1.59	0.118	-.2900077	2.492802
st_ME	-.0945986	.672756	-0.14	0.889	-1.446552	1.257355
st_MI	.7367333	.3005724	2.45	0.018	.1327105	1.340756
st_MN	-1.145507	.6990575	-1.64	0.108	-2.550315	.2593017
st_MO	-1.910119	.5030198	-3.80	0.000	-2.920975	-.8992625
st_MS	-.3531108	.2961065	-1.19	0.239	-.9481591	.2419376
st_MT	-2.887605	.6849603	-4.22	0.000	-4.264084	-1.511126
st_NC	-1.601142	.2957887	-5.41	0.000	-2.195551	-1.006732
st_ND	0	(omitted)				
st_NE	-4.352052	.8707216	-5.00	0.000	-6.101833	-2.602272
st_NH	-.3665685	.6215464	-0.59	0.558	-1.615613	.8824756
st_NJ	-1.556758	.3691453	-4.22	0.000	-2.298583	-.8149324
st_NM	-2.183502	.3974945	-5.49	0.000	-2.982297	-1.384707
st_NV	.3295513	.4625355	0.71	0.480	-.5999485	1.259051
st_NY	0	(omitted)				
st_OH	2.251737	.3678517	6.12	0.000	1.512512	2.990963
st_OK	-2.040038	.6003566	-3.40	0.001	-3.2465	-.8335763
st_OR	.2797855	.1490199	1.88	0.066	-.0196812	.5792523
st_PA	-.2215091	.4278962	-0.52	0.607	-1.081399	.6383806
st_PR	3.960655	1.220064	3.25	0.002	1.508844	6.412466
st_RI	4.09608	.4977093	8.23	0.000	3.095895	5.096264
st_SC	-1.119598	.3640088	-3.08	0.003	-1.851101	-.388095
st_SD	3.841768	.9983034	3.85	0.000	1.835602	5.847934
st_TN	-.9201951	.590192	-1.56	0.125	-2.10623	.26584
st_TX	-.1289223	.2163308	-0.60	0.554	-.5636552	.3058107
st_UT	1.876414	.3817719	4.92	0.000	1.109215	2.643614
st_VA	-.3673172	.7626979	-0.48	0.632	-1.900016	1.165382
st_VT	-2.784335	.7579961	-3.67	0.001	-4.307586	-1.261085
st_WA	2.499376	.1429275	17.49	0.000	2.212152	2.786599
st_WI	-1.566664	.5101139	-3.07	0.003	-2.591776	-.541552
st_WV	-1.081302	.316401	-3.42	0.001	-1.717133	-.44547
st_WY	-3.581821	.7881236	-4.54	0.000	-5.165615	-1.998028
tsd_unemp_mean	-.9160673	.2367883	-3.87	0.000	-1.391911	-.4402234
tsd_unemp_cng	-.1154474	.2806893	-0.41	0.683	-.6795136	.4486188
pial	-.0005329	.0002589	-2.06	0.045	-.0010532	-.0000126
pia_miss	-1.260514	.2216745	-5.69	0.000	-1.705985	-.815042
ime1	.0003181	.0000954	3.33	0.002	.0001264	.0005098
ime_miss	.3461483	.1852209	1.87	0.068	-.0260672	.7183637
_cons	8.02852	1.716778	4.68	0.000	4.578526	11.47851

(1) motoimm = 0

F(1, 49) = 0.23
 Prob > F = 0.6338

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_unemp.xls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs =	43043
F(46, 49) =	.
Prob > F =	.
R-squared =	0.2334
Root MSE =	6.3515

(Std. Err. adjusted for 50 clusters in tsd_state)

nstw48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.018895	.027936	-0.68	0.502	-.0750345	.0372445
male	.1222081	.0602923	2.03	0.048	.0010463	.24337
gendermiss_flag	-.6695745	.1060867	-6.31	0.000	-.8827636	-.4563853
tsd_age	-.0752186	.0065994	-11.40	0.000	-.0884807	-.0619566
doage2	.0043769	.0070794	0.62	0.539	-.0098496	.0186035
doage2miss_flag	.0188371	.173619	0.11	0.914	-.3300634	.3677376
race_a	.4789774	.2398565	2.00	0.051	-.0030322	.9609871
race_b	.3698463	.0884819	4.18	0.000	.1920352	.5476573
race_h	.4193657	.1076446	3.90	0.000	.2030457	.6356857
race_i	-.0684829	.2402728	-0.29	0.777	-.5513291	.4143633
race_o	-.4010978	.2278886	-1.76	0.085	-.8590571	.0568614
race_mis	.1242772	.1914383	0.65	0.519	-.2604324	.5089868
tsd_edu_hs	.1851452	.0505968	3.66	0.001	.0834671	.2868232
tsd_edu_mrhs	.8184293	.0964971	8.48	0.000	.6245111	1.012347
tsd_edu_mis	.5313268	.1083816	4.90	0.000	.3135258	.7491279
tsd_mie_exp	.0543515	.1683852	0.32	0.748	-.2840313	.3927343
tsd_mie_mis	-.0434007	.098749	-0.44	0.662	-.2418443	.155043
tsd_mie_psbl	-.1980344	.0779661	-2.54	0.014	-.3547132	-.0413557
tsd_medicare	-.4132056	.0604352	-6.84	0.000	-.5346547	-.2917565
tsd_medicare_miss	-.8883188	.1338863	-6.63	0.000	-1.157373	-.6192643
tsd_depend_1	-.3453111	.0686309	-5.03	0.000	-.4832301	-.207392
tsd_depend_2	-.254075	.0686824	-3.70	0.001	-.3920976	-.1160525
tsd_depend_miss	.0092282	.1645355	0.06	0.956	-.3214183	.3398747
tsd_vrpr	.6361504	.1462379	4.35	0.000	.3422743	.9300265
tsd_vrpr_miss	.473997	.1484416	3.19	0.002	.1756923	.7723016
pdcgrou2	-.3241717	.0741735	-4.37	0.000	-.473229	-.1751144
pdcgrou3	.2169453	.1127453	1.92	0.060	-.0096249	.4435155
pdcgrou4	.3268463	.0864006	3.78	0.000	.1532179	.5004748
pdcgrou5	-.2043474	.3522663	-0.58	0.565	-.912253	.5035582
cohort2000	.101331	.1225836	0.83	0.412	-.14501	.347672
cohort2001	.0362868	.2125608	0.17	0.865	-.39087	.4634437
cohort2002	.1173653	.3068772	0.38	0.704	-.4993276	.7340582
cohort2003	1.210318	.4476108	2.70	0.009	.3108099	2.109825
cohort2004	.971032	.4759144	2.04	0.047	.0146462	1.927418
award_b4_tsd	.1873137	.1777709	1.05	0.297	-.1699303	.5445578
diaward_tsd	-.017967	.0081633	-2.20	0.032	-.0343717	-.0015623
epeb4twp_flag	.7036988	4.342664	0.16	0.872	-8.023211	9.430609
ldwb4twp_flag	4.796178	2.078418	2.31	0.025	.6194414	8.972914
ldwb4epe_flag	10.21954	1.25067	8.17	0.000	7.706226	12.73286
twpb4tsd	6.988872	.2941591	23.76	0.000	6.397737	7.580007
epeb4tsd	2.95421	.3971138	7.44	0.000	2.15618	3.752241
ldwb4tsd	17.1159	.3962316	43.20	0.000	16.31964	17.91216
st_AL	-3.190333	.6920227	-4.61	0.000	-4.581005	-1.799661
st_AR	-1.466893	.6833661	-2.15	0.037	-2.840169	-.0936177
st_AZ	-1.859373	.403336	-4.61	0.000	-2.669907	-1.048839

st_CA	-.2651437	.2259577	-1.17	0.246	-.7192227	.1889353
st_CO	-2.618144	.6170679	-4.24	0.000	-3.858188	-1.378099
st_CT	-1.701489	.9326164	-1.82	0.074	-3.575652	.1726735
st_DC	11.37705	.2215159	51.36	0.000	10.93189	11.8222
st_DE	-4.277807	1.161273	-3.68	0.001	-6.611473	-1.944141
st_FL	-2.373992	.6073869	-3.91	0.000	-3.594581	-1.153402
st_GA	-3.168402	.8487261	-3.73	0.000	-4.873981	-1.462823
st_HI	-5.71975	1.220729	-4.69	0.000	-8.172897	-3.266602
st_IA	-4.803515	1.097827	-4.38	0.000	-7.009681	-2.597349
st_ID	-3.932253	.6355993	-6.19	0.000	-5.209538	-2.654969
st_IL	-1.135273	.2309808	-4.92	0.000	-1.599447	-.6711
st_IN	-3.072672	.7853521	-3.91	0.000	-4.650897	-1.494448
st_KS	-4.005853	.70609	-5.67	0.000	-5.424794	-2.586912
st_KY	-3.248825	.5929735	-5.48	0.000	-4.44045	-2.0572
st_LA	-3.00489	.5634783	-5.33	0.000	-4.137242	-1.872538
st_MA	-2.418601	.6201509	-3.90	0.000	-3.664841	-1.172361
st_MD	-.4444717	.971283	-0.46	0.649	-2.396338	1.507395
st_ME	-1.86391	.9446664	-1.97	0.054	-3.762288	.0344683
st_MI	-.1792212	.4179261	-0.43	0.670	-1.019075	.6606328
st_MN	-2.691136	.9737584	-2.76	0.008	-4.647977	-.7342951
st_MO	-3.292164	.7045182	-4.67	0.000	-4.707946	-1.876382
st_MS	-1.468076	.4021915	-3.65	0.001	-2.27631	-.6598414
st_MT	-5.290518	.9478103	-5.58	0.000	-7.195214	-3.385821
st_NC	-3.079597	.4016746	-7.67	0.000	-3.886792	-2.272401
st_ND	0	(omitted)				
st_NE	-6.932297	1.207641	-5.74	0.000	-9.359142	-4.505451
st_NH	-1.921485	.8733955	-2.20	0.033	-3.676639	-.1663314
st_NJ	-2.705061	.5183691	-5.22	0.000	-3.746763	-1.66336
st_NM	-4.071055	.5662649	-7.19	0.000	-5.209007	-2.933103
st_NV	-.5483578	.6320514	-0.87	0.390	-1.818513	.7217971
st_NY	0	(omitted)				
st_OH	2.266195	.5159533	4.39	0.000	1.229348	3.303042
st_OK	-3.640411	.8389822	-4.34	0.000	-5.326409	-1.954413
st_OR	-.6158693	.2010902	-3.06	0.004	-1.019975	-.2117634
st_PA	-1.06002	.6004102	-1.77	0.084	-2.266589	.14655
st_PR	4.118701	1.697329	2.43	0.019	.7077913	7.529611
st_RI	4.827684	.6988928	6.91	0.000	3.423206	6.232162
st_SC	-2.494709	.5057807	-4.93	0.000	-3.511114	-1.478305
st_SD	4.508307	1.403889	3.21	0.002	1.687087	7.329527
st_TN	-2.031318	.8103986	-2.51	0.016	-3.659875	-.4027611
st_TX	-1.203041	.3038382	-3.96	0.000	-1.813626	-.5924551
st_UT	1.217161	.5396611	2.26	0.029	.1326717	2.301651
st_VA	-1.118907	1.063624	-1.05	0.298	-3.25634	1.018525
st_VT	-4.585002	1.068988	-4.29	0.000	-6.733214	-2.43679
st_WA	3.047261	.1942193	15.69	0.000	2.656963	3.437559
st_WI	-3.060346	.7070316	-4.33	0.000	-4.481179	-1.639513
st_WV	-2.572333	.462884	-5.56	0.000	-3.502534	-1.642133
st_WY	-6.077463	1.106562	-5.49	0.000	-8.301183	-3.853743
tsd_unemp_mean	-1.230315	.3317355	-3.71	0.001	-1.896963	-.5636677
tsd_unemp_cng	-.2817456	.3746843	-0.75	0.456	-1.034702	.4712107
pial	-.0006272	.0002963	-2.12	0.039	-.0012226	-.0000317
pia_miss	-1.613653	.2765996	-5.83	0.000	-2.1695	-1.057805
ime1	.00041	.0001038	3.95	0.000	.0002013	.0006187
ime_miss	.2272814	.2199083	1.03	0.306	-.2146408	.6692036
_cons	12.43045	2.368327	5.25	0.000	7.671115	17.18978

(1) motoimm = 0

F(1, 49) = 0.46
 Prob > F = 0.5020

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
PM_PH1NONY_unemp.xls
dir : seeout

Linear regression

Number of obs = 77128
F(45, 51) = .
Prob > F = .
R-squared = 0.1126
Root MSE = .12514

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0000775	.0002238	-0.35	0.730	-.0005267	.0003717
male	.0033308	.0009025	3.69	0.001	.0015189	.0051428
gendermiss_flag	-.0105029	.0040768	-2.58	0.013	-.0186874	-.0023184
tsd_age	-.0007087	.0001407	-5.04	0.000	-.0009911	-.0004262
doage2	2.94e-06	.0001158	0.03	0.980	-.0002295	.0002353
doage2miss_flag	-.0158811	.0032117	-4.94	0.000	-.0223289	-.0094334
race_a	-.002327	.003934	-0.59	0.557	-.0102248	.0055707
race_b	.0050788	.0013546	3.75	0.000	.0023593	.0077983
race_h	.0073377	.002773	2.65	0.011	.0017707	.0129048
race_i	.0051263	.0069604	0.74	0.465	-.0088473	.0190999
race_o	-.0002377	.0069337	-0.03	0.973	-.0141577	.0136822
race_mis	.0008931	.0028388	0.31	0.754	-.004806	.0065923
tsd_edu_hs	.0036979	.0012129	3.05	0.004	.001263	.0061329
tsd_edu_mrhs	.0091701	.0018904	4.85	0.000	.0053751	.0129651
tsd_edu_mis	.0056362	.0013298	4.24	0.000	.0029666	.0083059
tsd_mie_exp	.0027198	.0032858	0.83	0.412	-.0038766	.0093163
tsd_mie_mis	.0007793	.0016019	0.49	0.629	-.0024366	.0039952
tsd_mie_psbl	.0005505	.0013224	0.42	0.679	-.0021043	.0032054
tsd_medicare	-.004183	.0017921	-2.33	0.024	-.0077807	-.0005852
tsd_medicare_miss	-.007692	.0020186	-3.81	0.000	-.0117445	-.0036395
tsd_depend_1	-.0027566	.0012959	-2.13	0.038	-.0053582	-.000155
tsd_depend_2	-.0021755	.0010999	-1.98	0.053	-.0043837	-.0000326
tsd_depend_miss	.0016118	.0026055	0.62	0.539	-.003619	.0068426
tsd_vrpr	.0136289	.0025217	5.40	0.000	.0085664	.0186913
tsd_vrpr_miss	.0089155	.0019332	4.61	0.000	.0050344	.0127967
pdcgrou2	-.0023184	.0013028	-1.78	0.081	-.0049339	.000297
pdcgrou3	.0027333	.0012029	2.27	0.027	.0003183	.0051482
pdcgrou4	.0032446	.0011531	2.81	0.007	.0009296	.0055596
pdcgrou5	-.0012588	.0107086	-0.12	0.907	-.0227573	.0202397
cohort2000	.0013485	.0016676	0.81	0.422	-.0019993	.0046964
cohort2001	.0078757	.0029481	2.67	0.010	.0019572	.0137943
cohort2002	.0061631	.0050096	1.23	0.224	-.0038941	.0162204
cohort2003	.0079611	.0077362	1.03	0.308	-.00757	.0234921
cohort2004	.004735	.0074083	0.64	0.526	-.0101377	.0196077
award_b4_tsd	.0008939	.0045009	0.20	0.843	-.008142	.0099297
diaward_tsd	-.0000957	.0001358	-0.70	0.484	-.0003683	.000177
epeb4twp_flag	-.001098	.1547648	-0.01	0.994	-.3118013	.3096053
ldwb4twp_flag	.2678009	.0791038	3.39	0.001	.1089933	.4266084
ldwb4epe_flag	.0921064	.03935	2.34	0.023	.013108	.1711048
twpb4tsd	.1586721	.0088433	17.94	0.000	.1409185	.1764257
epeb4tsd	.0732343	.005142	14.24	0.000	.0629113	.0835573
ldwb4tsd	-.1000599	.0092164	-10.86	0.000	-.1185626	-.0815573
st_AL	.0029369	.0072075	0.41	0.685	-.0115327	.0174065
st_AR	-.0055983	.0059218	-0.95	0.349	-.0174867	.0062902
st_AZ	-.0146575	.0056043	-2.62	0.012	-.0259086	-.0034065
st_CA	-.036094	.0028408	-12.71	0.000	-.0417972	-.0303908
st_CO	-.0158613	.0051276	-3.09	0.003	-.0261553	-.0055673

st_CT	-.0046597	.0068245	-0.68	0.498	-.0183605	.0090411
st_DC	-.0018234	.0025115	-0.73	0.471	-.0068655	.0032186
st_DE	-.0160704	.0107244	-1.50	0.140	-.0376005	.0054597
st_FL	-.0048223	.0069887	-0.69	0.493	-.0188526	.0092081
st_GA	.0012349	.0085815	0.14	0.886	-.0159933	.018463
st_HI	-.0019347	.0119507	-0.16	0.872	-.0259267	.0220573
st_IA	-.0061679	.0102747	-0.60	0.551	-.0267952	.0144595
st_ID	.0047667	.006914	0.69	0.494	-.0091136	.0186471
st_IL	-.0189713	.0031428	-6.04	0.000	-.0252808	-.0126619
st_IN	-.0031621	.0073997	-0.43	0.671	-.0180176	.0116935
st_KS	-.0093794	.0067801	-1.38	0.173	-.0229911	.0042323
st_KY	-.0074107	.0045854	-1.62	0.112	-.0166163	.0017949
st_LA	-.0044293	.0044393	-1.00	0.323	-.0133415	.004483
st_MA	-.0088695	.0056717	-1.56	0.124	-.0202559	.0025168
st_MD	.0473694	.009731	4.87	0.000	.0278336	.0669051
st_ME	-.0068947	.0081422	-0.85	0.401	-.0232408	.0094514
st_MI	-.0064001	.0023562	-2.72	0.009	-.0111304	-.0016698
st_MN	.0098816	.0088739	1.11	0.271	-.0079336	.0276967
st_MO	-.0055306	.0066414	-0.83	0.409	-.0188638	.0078026
st_MS	-.0025514	.0035906	-0.71	0.481	-.0097598	.004657
st_MT	-.0045056	.0101502	-0.44	0.659	-.0248829	.0158717
st_NC	-.0315194	.0033444	-9.42	0.000	-.0382337	-.0248052
st_ND	-.0075039	.0122144	-0.61	0.542	-.0320254	.0170175
st_NE	-.0232213	.0115512	-2.01	0.050	-.0464113	-.0000313
st_NH	-.0029687	.0095209	-0.31	0.756	-.0220827	.0161453
st_NJ	-.0008916	.0053072	-0.17	0.867	-.0115463	.0097631
st_NM	.001534	.0051979	0.30	0.769	-.0089013	.0119692
st_NV	-.0034393	.006499	-0.53	0.599	-.0164865	.0096079
st_NY	-.0098057	.0039172	-2.50	0.016	-.0176698	-.0019415
st_OH	.0068775	.0051069	1.35	0.184	-.003375	.0171299
st_OK	.0103886	.0064002	1.62	0.111	-.0024602	.0232375
st_OR	-.0172376	.0018284	-9.43	0.000	-.0209083	-.013567
st_PA	-.0095095	.0060632	-1.57	0.123	-.0216818	.0026628
st_PR	-.0258207	.0138663	-1.86	0.068	-.0536586	.0020171
st_RI	-.0927578	.0088095	-10.53	0.000	-.1104436	-.0750719
st_SC	-.0141281	.00344	-4.11	0.000	-.0210342	-.0072219
st_SD	-.0029998	.0124487	-0.24	0.811	-.0279916	.021992
st_TN	-.0023175	.0065698	-0.35	0.726	-.0155069	.0108719
st_TX	-.014778	.0029761	-4.97	0.000	-.0207527	-.0088033
st_UT	-.0220677	.006369	-3.46	0.001	-.034854	-.0092814
st_VA	.0041829	.0106436	0.39	0.696	-.0171851	.0255509
st_VT	-.0285973	.0094276	-3.03	0.004	-.047524	-.0096706
st_WA	.0000246	.0012091	0.02	0.984	-.0024027	.0024519
st_WI	-.0152332	.0059178	-2.57	0.013	-.0271137	-.0033528
st_WV	-.0189579	.0051071	-3.71	0.001	-.0292108	-.008705
st_WY	-.0042098	.009984	-0.42	0.675	-.0242537	.015834
tsd_unemp_mean	.0036199	.0029941	1.21	0.232	-.002391	.0096309
tsd_unemp_cng	.0003295	.0016345	0.20	0.841	-.0029519	.0036109
pial	-5.59e-06	4.96e-06	-1.13	0.265	-.0000155	4.36e-06
pia_miss	-.0178159	.004756	-3.75	0.000	-.027364	-.0082678
ime1	3.31e-06	1.67e-06	1.98	0.053	-4.82e-08	6.66e-06
ime_miss	.0016165	.0026013	0.62	0.537	-.0036059	.0068389
_cons	-.0022059	.026731	-0.08	0.935	-.0558707	.0514589

(1) motoimm = 0

F(1, 51) = 0.12
 Prob > F = 0.7305

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.1140
 Root MSE = .17181

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0002985	.0003059	-0.98	0.334	-.0009126	.0003155
male	.0069583	.0013896	5.01	0.000	.0041685	.0097481
gendermiss_flag	-.048089	.0071367	-6.74	0.000	-.0624166	-.0337615
tsd_age	-.0013168	.0002099	-6.27	0.000	-.0017382	-.0008954
doage2	-.0000624	.0001791	-0.35	0.729	-.000422	.0002973
doage2miss_flag	-.0202754	.006214	-3.26	0.002	-.0327506	-.0078002
race_a	-.003631	.0064473	-0.56	0.576	-.0165746	.0093126
race_b	.0099727	.0018463	5.40	0.000	.0062662	.0136792
race_h	.0046675	.0027405	1.70	0.095	-.0008343	.0101692
race_i	.0162103	.0085088	1.91	0.062	-.0008719	.0332925
race_o	.0151757	.0105265	1.44	0.156	-.0059571	.0363085
race_mis	.0043961	.0036077	1.22	0.229	-.0028466	.0116389
tsd_edu_hs	.0041991	.0017554	2.39	0.020	.000675	.0077232
tsd_edu_mrhs	.0158476	.0020735	7.64	0.000	.0116847	.0200104
tsd_edu_mis	.0085776	.0019808	4.33	0.000	.0046011	.0125542
tsd_mie_exp	.0031528	.0039788	0.79	0.432	-.004835	.0111407
tsd_mie_mis	-.0029526	.0019947	-1.48	0.145	-.006957	.0010519
tsd_mie_psbl	.0000567	.0015749	0.04	0.971	-.0031051	.0032184
tsd_medicare	-.0081934	.0025658	-3.19	0.002	-.0133445	-.0030423
tsd_medicare_miss	-.0196001	.0039935	-4.91	0.000	-.0276174	-.0115828
tsd_depend_1	-.005278	.0019538	-2.70	0.009	-.0092004	-.0013555
tsd_depend_2	-.002257	.0012451	-1.81	0.076	-.0047566	.0002425
tsd_depend_miss	-.0058073	.0037516	-1.55	0.128	-.013339	.0017245
tsd_vrpr	.0194265	.0028345	6.85	0.000	.0137361	.025117
tsd_vrpr_miss	.0056867	.0027586	2.06	0.044	.0001485	.0112249
pdcgrou2	-.0044755	.0022541	-1.99	0.052	-.0090009	.0000498
pdcgrou3	.0052044	.0018546	2.81	0.007	.001481	.0089277
pdcgrou4	.0065456	.0020053	3.26	0.002	.0025199	.0105714
pdcgrou5	-.0120197	.0110925	-1.08	0.284	-.0342889	.0102494
cohort2000	-.0004127	.0024887	-0.17	0.869	-.0054089	.0045836
cohort2001	.0075858	.004314	1.76	0.085	-.001075	.0162466
cohort2002	.0047611	.0065394	0.73	0.470	-.0083673	.0178895
cohort2003	.0163516	.0097847	1.67	0.101	-.003292	.0359952
cohort2004	.0074649	.0115537	0.65	0.521	-.0157301	.0306598
award_b4_tsd	.0107685	.0071877	1.50	0.140	-.0036614	.0251985
diaward_tsd	-.0003079	.0001806	-1.70	0.094	-.0006706	.0000547
epeb4twp_flag	-.0882668	.1549	-0.57	0.571	-.3992416	.2227079
ldwb4twp_flag	.4174905	.1067597	3.91	0.000	.2031614	.6318197
ldwb4epe_flag	.2366303	.0532483	4.44	0.000	.1297298	.3435307
twpb4tsd	.2181701	.0107144	20.36	0.000	.19666	.2396802
epeb4tsd	.0693312	.0062572	11.08	0.000	.0567693	.0818932
ldwb4tsd	-.1419655	.0091896	-15.45	0.000	-.1604144	-.1235167
st_AL	.040334	.008731	4.62	0.000	.0228058	.0578623
st_AR	.0052091	.0072129	0.72	0.473	-.0092713	.0196896
st_AZ	.0177246	.0069674	2.54	0.014	.003737	.0317121
st_CA	-.0156051	.0033983	-4.59	0.000	-.0224274	-.0087828
st_CO	-.0173953	.0063498	-2.74	0.008	-.0301431	-.0046475
st_CT	.0120723	.0082594	1.46	0.150	-.0045092	.0286537
st_DC	.030881	.0028041	11.01	0.000	.0252515	.0365105
st_DE	.0574387	.0130083	4.42	0.000	.0313234	.083554
st_FL	.0228569	.0087186	2.62	0.012	.0053536	.0403602

st_GA	.0229804	.0101379	2.27	0.028	.0026277	.043333
st_HI	.0095922	.0137806	0.70	0.490	-.0180735	.0372578
st_IA	.0065079	.0126899	0.51	0.610	-.0189682	.031984
st_ID	.1256811	.0087843	14.31	0.000	.1080459	.1433162
st_IL	-.0084184	.0042182	-2.00	0.051	-.0168868	.00005
st_IN	.0128291	.0089049	1.44	0.156	-.0050482	.0307065
st_KS	.009241	.0082943	1.11	0.270	-.0074105	.0258925
st_KY	.0023591	.005667	0.42	0.679	-.0090179	.013736
st_LA	.0135125	.0052757	2.56	0.013	.0029211	.0241039
st_MA	.0208993	.0074722	2.80	0.007	.0058982	.0359003
st_MD	.0679585	.0116065	5.86	0.000	.0446573	.0912596
st_ME	-.0001994	.0102309	-0.02	0.985	-.0207387	.0203399
st_MI	.0065818	.0028578	2.30	0.025	.0008446	.012319
st_MN	.0106651	.0107125	1.00	0.324	-.0108411	.0321713
st_MO	.0112606	.0081019	1.39	0.171	-.0050046	.0275259
st_MS	.0112524	.0042791	2.63	0.011	.0026618	.0198429
st_MT	.0133406	.0124137	1.07	0.288	-.011581	.0382621
st_NC	-.0254965	.0044083	-5.78	0.000	-.0343466	-.0166464
st_ND	.0143539	.014896	0.96	0.340	-.0155511	.0442588
st_NE	-.0240285	.014116	-1.70	0.095	-.0523676	.0043106
st_NH	.0271825	.0118129	2.30	0.026	.0034672	.0508978
st_NJ	.0198707	.00665	2.99	0.004	.0065202	.0332212
st_NM	.0177615	.0063242	2.81	0.007	.0050651	.0304579
st_NV	.0189009	.0078861	2.40	0.020	.003069	.0347329
st_NY	.0059876	.0051905	1.15	0.254	-.0044327	.0164079
st_OH	.0011907	.0060798	0.20	0.846	-.0110151	.0133964
st_OK	.0145998	.0078122	1.87	0.067	-.0010839	.0302835
st_OR	.0052281	.0020798	2.51	0.015	.0010528	.0094035
st_PA	-.0082558	.0071373	-1.16	0.253	-.0225845	.0060729
st_PR	-.0334966	.0159163	-2.10	0.040	-.0654499	-.0015434
st_RI	-.1164905	.0100501	-11.59	0.000	-.1366669	-.096314
st_SC	-.007146	.0044779	-1.60	0.117	-.0161358	.0018438
st_SD	.0210498	.0153938	1.37	0.177	-.0098545	.0519541
st_TN	.0117464	.0079023	1.49	0.143	-.0041181	.027611
st_TX	-.0130265	.0039036	-3.34	0.002	-.0208634	-.0051896
st_UT	-.0174083	.0083075	-2.10	0.041	-.0340862	-.0007304
st_VA	.0280043	.0128207	2.18	0.034	.0022658	.0537429
st_VT	.0071995	.0122108	0.59	0.558	-.0173147	.0317137
st_WA	-.0093635	.0015521	-6.03	0.000	-.0124795	-.0062475
st_WI	-.0072724	.0078567	-0.93	0.359	-.0230454	.0085005
st_WV	.0370637	.0063348	5.85	0.000	.024346	.0497814
st_WY	.0031533	.0121191	0.26	0.796	-.0211769	.0274835
tsd_unemp_mean	.0070944	.0035577	1.99	0.052	-.000048	.0142368
tsd_unemp_cng	.0021999	.0018377	1.20	0.237	-.0014894	.0058891
pial	-.000012	8.86e-06	-1.36	0.180	-.0000298	5.74e-06
pia_miss	-.024999	.0065013	-3.85	0.000	-.038051	-.0119471
ime1	6.65e-06	2.47e-06	2.69	0.010	1.69e-06	.0000116
ime_miss	-.002931	.0030443	-0.96	0.340	-.0090427	.0031807
_cons	.0047792	.0272234	0.18	0.861	-.0498741	.0594325

(1) motoimm = 0

F(1, 51) = 0.95
 Prob > F = 0.3336

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(45, 51) = .
 Prob > F = .

R-squared = 0.1084
 Root MSE = .20447

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0001052	.0002926	-0.36	0.721	-.0006926	.0004821
male	.0089837	.0014792	6.07	0.000	.006014	.0119534
gendermiss_flag	-.0887169	.0098478	-9.01	0.000	-.1084872	-.0689466
tsd_age	-.0018688	.0002329	-8.03	0.000	-.0023363	-.0014014
doage2	-.0002061	.0001894	-1.09	0.282	-.0005864	.0001741
doage2miss_flag	-.0451799	.0066095	-6.84	0.000	-.058449	-.0319107
race_a	-.0050816	.0098493	-0.52	0.608	-.0248549	.0146917
race_b	.0154092	.0021113	7.30	0.000	.0111707	.0196478
race_h	.0080331	.0032903	2.44	0.018	.0014275	.0146387
race_i	.0178384	.0112836	1.58	0.120	-.0048144	.0404912
race_o	.007266	.010798	0.67	0.504	-.0144119	.028944
race_mis	.0022637	.004038	0.56	0.578	-.005843	.0103703
tsd_edu_hs	.0043378	.0020341	2.13	0.038	.0002542	.0084214
tsd_edu_mrhs	.02301	.0024211	9.50	0.000	.0181494	.0278706
tsd_edu_mis	.0127921	.0019174	6.67	0.000	.0089428	.0166415
tsd_mie_exp	.0025575	.0044256	0.58	0.566	-.0063272	.0114422
tsd_mie_mis	-.0050201	.0019886	-2.52	0.015	-.0090124	-.0010278
tsd_mie_psbl	-.0011328	.0016972	-0.67	0.507	-.0045401	.0022745
tsd_medicare	-.009388	.0030411	-3.09	0.003	-.0154933	-.0032828
tsd_medicare_miss	-.0300957	.0051686	-5.82	0.000	-.0404721	-.0197193
tsd_depend_1	-.0087333	.0020499	-4.26	0.000	-.0128486	-.004618
tsd_depend_2	-.0027724	.0016036	-1.73	0.090	-.0059918	.000447
tsd_depend_mis	-.0159896	.0051381	-3.11	0.003	-.0263048	-.0056745
tsd_vrpr	.0112365	.0047602	2.36	0.022	.0016799	.020793
tsd_vrpr_miss	-.0092322	.00334	-2.76	0.008	-.0159375	-.0025269
pdcgrou2	-.0081581	.002866	-2.85	0.006	-.0139118	-.0024043
pdcgrou3	.0044174	.0021568	2.05	0.046	.0000875	.0087472
pdcgrou4	.005295	.002509	2.11	0.040	.0002579	.0103321
pdcgrou5	-.001204	.0210956	-0.06	0.955	-.0435551	.0411471
cohort2000	-.0003144	.0020172	-0.16	0.877	-.0043641	.0037353
cohort2001	.0082551	.0044149	1.87	0.067	-.0006082	.0171184
cohort2002	.0044533	.0064408	0.69	0.492	-.0084773	.0173838
cohort2003	.0348045	.0121154	2.87	0.006	.0104817	.0591272
cohort2004	.0286066	.0148226	1.93	0.059	-.0011509	.0583642
award_b4_tsd	.0140291	.0090751	1.55	0.128	-.0041899	.032248
diaward_tsd	-.0005024	.0002019	-2.49	0.016	-.0009078	-.0000971
epeb4twp_flag	.1243585	.1804133	0.69	0.494	-.2378364	.4865534
ldwb4twp_flag	.4269777	.1057786	4.04	0.000	.2146183	.6393372
ldwb4epe_flag	.3655111	.0499367	7.32	0.000	.265259	.4657631
twpb4tsd	.2456143	.0107887	22.77	0.000	.2239551	.2672736
epeb4tsd	.0543115	.0065196	8.33	0.000	.0412228	.0674002
ldwb4tsd	-.1637131	.0091645	-17.86	0.000	-.1821116	-.1453145
st_AL	.0491516	.0072023	6.82	0.000	.0346923	.0636108
st_AR	-.0066634	.006136	-1.09	0.283	-.018982	.0056552
st_AZ	.0120333	.0061925	1.94	0.058	-.0003986	.0244652
st_CA	-.0155624	.0033067	-4.71	0.000	-.0222009	-.008924
st_CO	-.0224225	.0057495	-3.90	0.000	-.033965	-.0108799
st_CT	.0020655	.0071774	0.29	0.775	-.0123438	.0164748
st_DC	.0121997	.0025583	4.77	0.000	.0070637	.0173357
st_DE	.0314158	.0109464	2.87	0.006	.0094399	.0533917
st_FL	.0161618	.0075766	2.13	0.038	.0009511	.0313725
st_GA	.0153066	.0084936	1.80	0.077	-.001745	.0323582
st_HI	-.013373	.0108345	-1.23	0.223	-.0351242	.0083782
st_IA	-.0203258	.0108374	-1.88	0.066	-.0420827	.0014312
st_ID	.1059637	.0073325	14.45	0.000	.0912431	.1206844

st_IL	-.0191486	.0039199	-4.89	0.000	-.0270181	-.0112792
st_IN	.0014484	.0075169	0.19	0.848	-.0136423	.0165392
st_KS	.0043624	.0069958	0.62	0.536	-.0096822	.018407
st_KY	-.0116586	.0049224	-2.37	0.022	-.0215407	-.0017765
st_LA	.0035055	.0045722	0.77	0.447	-.0056737	.0126846
st_MA	.0294586	.0067839	4.34	0.000	.0158392	.0430779
st_MD	.0740007	.0096901	7.64	0.000	.0545471	.0934543
st_ME	-.0243484	.0084771	-2.87	0.006	-.0413669	-.0073299
st_MI	-.0050504	.0026327	-1.92	0.061	-.0103357	.0002349
st_MN	-.017612	.0091561	-1.92	0.060	-.0359936	.0007696
st_MO	-.0035991	.0068707	-0.52	0.603	-.0173926	.0101943
st_MS	.0005944	.0038207	0.16	0.877	-.007076	.0082647
st_MT	.0112713	.0105445	1.07	0.290	-.0098977	.0324403
st_NC	-.0139114	.0041406	-3.36	0.001	-.0222239	-.0055989
st_ND	.000393	.0125712	0.03	0.975	-.0248448	.0256308
st_NE	-.0564095	.0117352	-4.81	0.000	-.0799688	-.0328501
st_NH	.0219068	.0099994	2.19	0.033	.0018321	.0419815
st_NJ	.0108771	.005852	1.86	0.069	-.0008713	.0226256
st_NM	.0055449	.005931	0.93	0.354	-.006362	.0174518
st_NV	.0096845	.0068339	1.42	0.163	-.0040352	.0234042
st_NY	-.0030691	.0046299	-0.66	0.510	-.012364	.0062258
st_OH	.0112746	.0056504	2.00	0.051	-.000069	.0226182
st_OK	.0627897	.006598	9.52	0.000	.0495437	.0760357
st_OR	.001645	.0023206	0.71	0.482	-.0030137	.0063037
st_PA	-.0314123	.0063118	-4.98	0.000	-.0440836	-.0187409
st_PR	-.0529616	.012266	-4.32	0.000	-.0775866	-.0283365
st_RI	-.1562719	.0107995	-14.47	0.000	-.1779527	-.134591
st_SC	-.0272997	.0039598	-6.89	0.000	-.0352494	-.01935
st_SD	.0028568	.0128094	0.22	0.824	-.0228591	.0285726
st_TN	-.0011697	.0067511	-0.17	0.863	-.0147231	.0123836
st_TX	-.0053692	.0037954	-1.41	0.163	-.0129888	.0022504
st_UT	-.0367409	.0071845	-5.11	0.000	-.0511644	-.0223173
st_VA	.0178273	.0107962	1.65	0.105	-.0038469	.0395015
st_VT	-.019405	.0105397	-1.84	0.071	-.0405643	.0017542
st_WA	-.0088264	.0016375	-5.39	0.000	-.0121139	-.0055389
st_WI	-.0197532	.0066784	-2.96	0.005	-.0331607	-.0063458
st_WV	.0671143	.00614	10.93	0.000	.0547878	.0794408
tsd_unemp_mean	.307769	.0102382	30.06	0.000	.287215	.328323
tsd_unemp_cng	.0066424	.0029731	2.23	0.030	.0006736	.0126112
pial	.0035051	.002346	1.49	0.141	-.0012048	.0082149
pia_miss	-8.54e-06	.0000112	-0.76	0.449	-.000031	.000014
ime1	-.0236496	.0090094	-2.62	0.011	-.0417367	-.0055625
ime_miss	6.60e-06	3.07e-06	2.15	0.036	4.33e-07	.0000128
_cons	-.0109389	.0032393	-3.38	0.001	-.017442	-.0044357
	.0690819	.0272357	2.54	0.014	.014404	.1237598

(1) motoimm = 0

F(1, 51) = 0.13
 Prob > F = 0.7206

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.1048
 Root MSE = .22861

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll148	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0004269	.0004197	-1.02	0.314	-.0012695 .0004158
male	.0107726	.0019647	5.48	0.000	.0068282 .0147169
gendermiss_flag	-.1266824	.0109716	-11.55	0.000	-.1487089 -.104656
tsd_age	-.0025306	.0002926	-8.65	0.000	-.003118 -.0019431
doage2	-.0001437	.0001902	-0.76	0.454	-.0005256 .0002382
doage2miss_flag	-.0754021	.0072305	-10.43	0.000	-.0899179 -.0608862
race_a	-.0019171	.0098489	-0.19	0.846	-.0216897 .0178555
race_b	.0215617	.0025192	8.56	0.000	.0165043 .0266192
race_h	.0109397	.0042904	2.55	0.014	.0023263 .019553
race_i	.0184987	.0125234	1.48	0.146	-.0066431 .0436406
race_o	.0016537	.0128278	0.13	0.898	-.0240992 .0274066
race_mis	.0038873	.0054593	0.71	0.480	-.0070727 .0148473
tsd_edu_hs	.0050623	.0025004	2.02	0.048	.0000425 .010082
tsd_edu_mrhs	.0291289	.0026018	11.20	0.000	.0239056 .0343522
tsd_edu_mis	.0141323	.0020988	6.73	0.000	.0099187 .0183458
tsd_mie_exp	.0028926	.0053433	0.54	0.591	-.0078345 .0136197
tsd_mie_mis	-.0064681	.0023511	-2.75	0.008	-.0111881 -.001748
tsd_mie_psbl	-.0028961	.0019524	-1.48	0.144	-.0068158 .0010236
tsd_medicare	-.0105623	.0029138	-3.62	0.001	-.016412 -.0047126
tsd_medicare_miss	-.0395181	.0059458	-6.65	0.000	-.0514548 -.0275814
tsd_depend_1	-.0084085	.0021866	-3.85	0.000	-.0127983 -.0040188
tsd_depend_2	-.0008627	.0014398	-0.60	0.552	-.0037532 .0020279
tsd_depend_miss	-.0282054	.0065612	-4.30	0.000	-.0413775 -.0150333
tsd_vrpr	-.0052137	.0044477	-1.17	0.247	-.0141428 .0037155
tsd_vrpr_miss	-.0326598	.0037224	-8.77	0.000	-.0401329 -.0251867
pdcgrou2	-.0129222	.0034692	-3.72	0.000	-.0198869 -.0059576
pdcgrou3	.0034754	.0026382	1.32	0.194	-.0018209 .0087717
pdcgrou4	.0042938	.0030221	1.42	0.161	-.0017732 .0036609
pdcgrou5	-.0130607	.0208204	-0.63	0.533	-.0548593 .0287379
cohort2000	-.0031219	.0021457	-1.45	0.152	-.0074295 .0011857
cohort2001	.002189	.0048513	0.45	0.654	-.0075504 .0119284
cohort2002	-.0041116	.007119	-0.58	0.566	-.0184036 .0101804
cohort2003	.0371518	.0147729	2.51	0.015	.0074939 .0668097
cohort2004	.0359951	.018034	2.00	0.051	-.0002098 .0721999
award_b4_tsd	.0131864	.0112275	1.17	0.246	-.0093537 .0357266
diaward_tsd	-.0007712	.0002394	-3.22	0.002	-.0012519 -.0002905
epeb4twp_flag	.0893974	.1775443	0.50	0.617	-.2670376 .4458324
ldwb4twp_flag	.4915752	.1048095	4.69	0.000	.2811613 .7019892
ldwb4epe_flag	.4981149	.0481306	10.35	0.000	.4014886 .5947412
twpb4tsd	.2569991	.0107076	24.00	0.000	.2355027 .2784955
epeb4tsd	.0424397	.0059925	7.08	0.000	.0304093 .0544701
ldwb4tsd	-.1806152	.0087555	-20.63	0.000	-.1981926 -.1630378
st_AL	.0380768	.0073262	5.20	0.000	.0233689 .0527847
st_AR	-.0201398	.0061533	-3.27	0.002	-.032493 -.0077866
st_AZ	.0037745	.0064557	0.58	0.561	-.0091858 .0167348
st_CA	-.0264449	.0036592	-7.23	0.000	-.0337911 -.0190987
st_CO	-.0387316	.0056593	-6.84	0.000	-.0500931 -.0273701
st_CT	-.0142077	.0073608	-1.93	0.059	-.028985 .0005696
st_DC	.0054819	.0028822	1.90	0.063	-.0003042 .0112681
st_DE	.0216803	.0110258	1.97	0.055	-.0004549 .0438154
st_FL	.0160916	.0079583	2.02	0.048	.0001147 .0320685
st_GA	.0018484	.0088995	0.21	0.836	-.0160182 .019715
st_HI	-.0380933	.0109352	-3.48	0.001	-.0600466 -.0161401
st_IA	-.0092148	.010729	-0.86	0.394	-.0307542 .0123246
st_ID	.1941206	.007545	25.73	0.000	.1789734 .2092678
st_IL	-.0443532	.0039519	-11.22	0.000	-.0522869 -.0364195
st_IN	-.0149609	.0076245	-1.96	0.055	-.0302677 .000346
st_KS	-.0057269	.0069757	-0.82	0.415	-.0197311 .0082774
st_KY	-.0271	.0050026	-5.42	0.000	-.0371432 -.0170567

st_LA	-.0087575	.0048795	-1.79	0.079	-.0185536	.0010386
st_MA	.017532	.0067533	2.60	0.012	.0039743	.0310898
st_MD	.0793266	.0100129	7.92	0.000	.0592248	.0994284
st_ME	-.0484331	.0083605	-5.79	0.000	-.0652176	-.0316487
st_MI	-.0189452	.0026877	-7.05	0.000	-.0243409	-.0135495
st_MN	-.0117015	.009352	-1.25	0.217	-.0304765	.0070734
st_MO	-.0173958	.0069146	-2.52	0.015	-.0312775	-.0035142
st_MS	-.014351	.004623	-3.10	0.003	-.0236321	-.0050698
st_MT	-.0122376	.010756	-1.14	0.261	-.0338311	.0093559
st_NC	.0105384	.004666	2.26	0.028	.001171	.0199058
st_ND	-.0079653	.0126896	-0.63	0.533	-.0334407	.0175101
st_NE	-.0899737	.0120157	-7.49	0.000	-.1140962	-.0658512
st_NH	.0186939	.0103003	1.81	0.075	-.0019849	.0393726
st_NJ	-.0033408	.0062156	-0.54	0.593	-.0158192	.0091375
st_NM	-.0051969	.0061866	-0.84	0.405	-.017617	.0072232
st_NV	-.0019152	.0073093	-0.26	0.794	-.0165892	.0127588
st_NY	-.0084011	.004586	-1.83	0.073	-.0176078	.0008056
st_OH	-.0054633	.0056853	-0.96	0.341	-.0168771	.0059504
st_OK	.0385999	.006464	5.97	0.000	.0256228	.051577
st_OR	-.0151899	.0024862	-6.11	0.000	-.020181	-.0101987
st_PA	-.046197	.0067688	-6.82	0.000	-.059786	-.0326081
st_PR	-.0764627	.0120152	-6.36	0.000	-.1005842	-.0523413
st_RI	-.1872637	.0112963	-16.58	0.000	-.209942	-.1645855
st_SC	-.0508201	.003906	-13.01	0.000	-.0586617	-.0429784
st_SD	-.0146204	.012788	-1.14	0.258	-.0402935	.0110526
st_TN	-.0179094	.0067345	-2.66	0.010	-.0314294	-.0043893
st_TX	-.0081084	.0041999	-1.93	0.059	-.0165401	.0003233
st_UT	-.0578591	.0074643	-7.75	0.000	-.0728444	-.0428738
st_VA	.003436	.011043	0.31	0.757	-.0187337	.0256057
st_VT	-.0466253	.0105376	-4.42	0.000	-.0677805	-.0254701
st_WA	-.0106513	.0022151	-4.81	0.000	-.0150983	-.0062044
st_WI	-.0339318	.0067131	-5.05	0.000	-.0474089	-.0204547
st_WV	.0391328	.0064516	6.07	0.000	.0261806	.052085
st_WY	.2730804	.0106456	25.65	0.000	.2517084	.2944524
tsd_unemp_mean	.0069174	.0029714	2.33	0.024	.0009521	.0128827
tsd_unemp_cng	.002415	.0042351	0.57	0.571	-.0060872	.0109173
pial	-6.06e-06	.0000118	-0.51	0.611	-.0000298	.0000177
pia_miss	-.0139246	.0075637	-1.84	0.071	-.0291093	.0012601
ime1	4.70e-06	3.15e-06	1.49	0.141	-1.62e-06	.000011
ime_miss	-.0209768	.0034905	-6.01	0.000	-.0279843	-.0139694
_cons	.1495925	.025543	5.86	0.000	.0983127	.2008723

(1) motoimm = 0

F(1, 51) = 1.03
 Prob > F = 0.3140

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.1171
 Root MSE = .1404

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
-----------	-------	------------------	---	------	----------------------

motoimm	.000331	.0003179	1.04	0.303	-.0003073	.0009692
male	.0025747	.0012504	2.06	0.045	.0000645	.0050849
gendermiss_flag	-.0235025	.0055266	-4.25	0.000	-.0345976	-.0124075
tsd_age	-.0006329	.0001268	-4.99	0.000	-.0008874	-.0003784
doage2	-.0000955	.0001093	-0.87	0.386	-.0003149	.000124
doage2miss_flag	-.0125861	.0025185	-5.00	0.000	-.0176422	-.00753
race_a	-.0002436	.0053985	-0.05	0.964	-.0110815	.0105943
race_b	.0041085	.0014419	2.85	0.006	.0012138	.0070032
race_h	-.0044581	.0036476	-1.22	0.227	-.011781	.0028649
race_i	-.0017505	.0048665	-0.36	0.721	-.0115204	.0080194
race_o	-.0095977	.0057906	-1.66	0.104	-.0212228	.0020274
race_mis	.0008789	.0039852	0.22	0.826	-.0071217	.0088795
tsd_edu_hs	.0022173	.0017748	1.25	0.217	-.0013458	.0057804
tsd_edu_mrhs	.0059421	.0019141	3.10	0.003	.0020994	.0097848
tsd_edu_mis	.008358	.0020146	4.15	0.000	.0043134	.0124025
tsd_mie_exp	-.0068344	.0029432	-2.32	0.024	-.012743	-.0009257
tsd_mie_mis	-.0084738	.0014266	-5.94	0.000	-.0113378	-.0056098
tsd_mie_psbl	-.0073991	.0014071	-5.26	0.000	-.010224	-.0045742
tsd_medicare	-.0060327	.0014372	-4.20	0.000	-.008918	-.0031473
tsd_medicare_miss	-.0118749	.0045731	-2.60	0.012	-.0210559	-.0026939
tsd_depend_1	-.0041121	.0014569	-2.82	0.007	-.007037	-.0011872
tsd_depend_2	-.0019016	.0013834	-1.37	0.175	-.0046789	.0008756
tsd_depend_miss	-.0116345	.0036607	-3.18	0.003	-.0189836	-.0042854
tsd_vrpr	.0175837	.0025474	6.90	0.000	.0124697	.0226978
tsd_vrpr_miss	.0054006	.0033585	1.61	0.114	-.0013418	.012143
pdcgrou2	.0025664	.0013277	1.93	0.059	-.000099	.0052318
pdcgrou3	.0025496	.0017426	1.46	0.150	-.0009487	.0060479
pdcgrou4	.0030089	.0013291	2.26	0.028	.0003407	.0056771
pdcgrou5	-.0026941	.0085877	-0.31	0.755	-.0199348	.0145465
cohort2000	-.0016246	.0013319	-1.22	0.228	-.0042985	.0010493
cohort2001	.000287	.0024812	0.12	0.908	-.0046942	.0052683
cohort2002	.0043182	.0038045	1.14	0.262	-.0033196	.0119561
cohort2003	.0166398	.0068132	2.44	0.018	.0029618	.0303178
cohort2004	-.0097758	.0049687	-1.97	0.055	-.0197509	.0001992
award_b4_tsd	.0003424	.0036484	0.09	0.926	-.006982	.0076668
diaward_tsd	-.0003086	.0000914	-3.38	0.001	-.000492	-.0001252
epeb4twp_flag	-.0159841	.0288284	-0.55	0.582	-.0738595	.0418913
ldwb4twp_flag	.034633	.0150128	2.31	0.025	.0044936	.0647725
ldwb4epe_flag	.0962945	.0318229	3.03	0.004	.0324074	.1601816
twpb4tsd	.2086404	.0081514	25.60	0.000	.1922758	.2250051
epeb4tsd	-.0744894	.0084256	-8.84	0.000	-.0914044	-.0575743
ldwb4tsd	-.0490879	.0045446	-10.80	0.000	-.0582115	-.0399642
st_AL	-.021358	.0073134	-2.92	0.005	-.0360402	-.0066757
st_AR	-.0136848	.0058763	-2.33	0.024	-.0254819	-.0018877
st_AZ	-.0100285	.0051459	-1.95	0.057	-.0203594	.0003024
st_CA	-.0296306	.0023618	-12.55	0.000	-.0343721	-.0248892
st_CO	-.0189762	.0045711	-4.15	0.000	-.0281531	-.0097992
st_CT	-.0025283	.0065609	-0.39	0.702	-.0157	.0106433
st_DC	.0076547	.002614	2.93	0.005	.0024068	.0129025
st_DE	-.0315558	.01047	-3.01	0.004	-.0525751	-.0105365
st_FL	-.0067089	.0067799	-0.99	0.327	-.02032	.0069023
st_GA	-.0098417	.0086809	-1.13	0.262	-.0272694	.0075861
st_HI	-.0188797	.0118396	-1.59	0.117	-.0426487	.0048893
st_IA	-.0231703	.0097348	-2.38	0.021	-.0427138	-.0036268
st_ID	-.0160168	.007586	-2.11	0.040	-.0312464	-.0007872
st_IL	-.0158658	.0025532	-6.21	0.000	-.0209915	-.0107401
st_IN	-.0085466	.0072923	-1.17	0.247	-.0231866	.0060934
st_KS	-.0033603	.0065869	-0.51	0.612	-.016584	.0098635
st_KY	-.0154448	.0043379	-3.56	0.001	-.0241536	-.0067361
st_LA	-.004372	.0043196	-1.01	0.316	-.0130439	.0042999
st_MA	.0071564	.005184	1.38	0.173	-.0032509	.0175638
st_MD	.0194747	.0100534	1.94	0.058	-.0007082	.0396577
st_ME	-.0212089	.0082537	-2.57	0.013	-.037779	-.0046388

st_MI	.0000271	.0020839	0.01	0.990	-.0041566	.0042108
st_MN	-.0008945	.0086275	-0.10	0.918	-.0182149	.0164259
st_MO	-.0078616	.006499	-1.21	0.232	-.020909	.0051857
st_MS	-.0037055	.003467	-1.07	0.290	-.0106658	.0032549
st_MT	-.0041899	.0104378	-0.40	0.690	-.0251447	.016765
st_NC	-.0402653	.0035822	-11.24	0.000	-.0474568	-.0330738
st_ND	-.0006821	.0126455	-0.05	0.957	-.0260689	.0247047
st_NE	-.0479644	.0115944	-4.14	0.000	-.0712412	-.0246876
st_NH	.0038001	.0096275	0.39	0.695	-.0155279	.0231281
st_NJ	-.0003944	.0052845	-0.07	0.941	-.0110034	.0102146
st_NM	-.0006404	.0050798	-0.13	0.900	-.0108386	.0095577
st_NV	-.005695	.0066649	-0.85	0.397	-.0190754	.0076855
st_NY	-.0053892	.0034886	-1.54	0.129	-.0123929	.0016146
st_OH	-.0186291	.0045118	-4.13	0.000	-.0276868	-.0095713
st_OK	-.0228342	.0061201	-3.73	0.000	-.0351208	-.0105475
st_OR	-.0136082	.0021393	-6.36	0.000	-.017903	-.0093135
st_PA	-.0136067	.0057789	-2.35	0.022	-.0252083	-.002005
st_PR	.0049082	.0141967	0.35	0.731	-.023593	.0334093
st_RI	-.0941302	.0069838	-13.48	0.000	-.1081507	-.0801097
st_SC	.0045597	.0030948	1.47	0.147	-.0016534	.0107727
st_SD	-.0115406	.0128451	-0.90	0.373	-.0373284	.0142471
st_TN	-.0071606	.0062793	-1.14	0.259	-.0197669	.0054456
st_TX	-.0275036	.0029228	-9.41	0.000	-.0333714	-.0216358
st_UT	.0870495	.0060503	14.39	0.000	.074903	.0991959
st_VA	-.0073412	.010797	-0.68	0.500	-.0290172	.0143347
st_VT	-.0440061	.009595	-4.59	0.000	-.0632688	-.0247433
st_WA	.0828827	.0013436	61.69	0.000	.0801853	.0855801
st_WI	-.0171057	.0059932	-2.85	0.006	-.0291375	-.0050739
st_WV	.0275482	.0050542	5.45	0.000	.0174014	.037695
st_WY	-.0201167	.0103148	-1.95	0.057	-.0408245	.0005912
tsd_unemp_mean	-.0017676	.0030727	-0.58	0.568	-.0079362	.004401
tsd_unemp_cng	.0025684	.0024563	1.05	0.301	-.0023627	.0074996
pial	-6.83e-06	4.28e-06	-1.60	0.117	-.0000154	1.76e-06
pia_miss	-.0155412	.0048524	-3.20	0.002	-.0252828	-.0057996
ime1	2.74e-06	1.60e-06	1.72	0.092	-4.59e-07	5.95e-06
ime_miss	.000014	.0017677	0.01	0.994	-.0035348	.0035629
_cons	.0563277	.0231807	2.43	0.019	.0097905	.102865

(1) motoimm = 0

F(1, 51) = 1.08
 Prob > F = 0.3028

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs	=	77128
F(45, 51)	=	.
Prob > F	=	.
R-squared	=	0.1190
Root MSE	=	.19421

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	.0001601	.0004485	0.36	0.723	-.0007403 .0010605
male	.0035731	.0014818	2.41	0.020	.0005983 .006548
gendermiss_flag	-.0863284	.0086504	-9.98	0.000	-.1036948 -.068962
tsd_age	-.0014421	.0001789	-8.06	0.000	-.0018012 -.001083

doage2	-.0000612	.0001595	-0.38	0.703	-.0003815	.0002591
doage2miss_flag	-.0381172	.0043314	-8.80	0.000	-.0468128	-.0294217
race_a	.0058581	.0086637	0.68	0.502	-.011535	.0232512
race_b	.0098778	.0017198	5.74	0.000	.0064252	.0133304
race_h	-.006964	.0036584	-1.90	0.063	-.0143085	.0003806
race_i	-.0023848	.0055198	-0.43	0.668	-.0134664	.0086967
race_o	-.003624	.0140559	-0.26	0.798	-.0318424	.0245944
race_mis	.0020656	.0041608	0.50	0.622	-.0062875	.0104187
tsd_edu_hs	.0033973	.0016937	2.01	0.050	-2.91e-06	.0067976
tsd_edu_mrhs	.0168181	.0028996	5.80	0.000	.0109968	.0226393
tsd_edu_mis	.0133433	.0019707	6.77	0.000	.0093868	.0172997
tsd_mie_exp	-.0106762	.0038237	-2.79	0.007	-.0183527	-.0029998
tsd_mie_mis	-.0127733	.0021347	-5.98	0.000	-.0170589	-.0084877
tsd_mie_psbl	-.0097951	.0019698	-4.97	0.000	-.0137497	-.0058405
tsd_medicare	-.0109991	.0021051	-5.23	0.000	-.0152252	-.006773
tsd_medicare_miss	-.0307763	.0054536	-5.64	0.000	-.0417249	-.0198277
tsd_depend_1	-.0076728	.0024824	-3.09	0.003	-.0126564	-.0026893
tsd_depend_2	-.0035289	.0015663	-2.25	0.029	-.0066734	-.0003843
tsd_depend_miss	-.0207925	.0070138	-2.96	0.005	-.0348732	-.0067117
tsd_vrpr	.0133036	.0041854	3.18	0.003	.004901	.0217061
tsd_vrpr_miss	-.0159395	.0038528	-4.14	0.000	-.0236742	-.0082047
pdcgrou2	.0007555	.0021657	0.35	0.729	-.0035924	.0051034
pdcgrou3	.0012789	.0029617	0.43	0.668	-.004667	.0072249
pdcgrou4	.0013656	.0021761	0.63	0.533	-.0030031	.0057343
pdcgrou5	-.0205866	.0078153	-2.63	0.011	-.0362764	-.0048967
cohort2000	-.0051494	.002378	-2.17	0.035	-.0099235	-.0003753
cohort2001	-.0049742	.0036411	-1.37	0.178	-.012284	.0023355
cohort2002	-.0008186	.0054107	-0.15	0.880	-.0116811	.0100439
cohort2003	.0364142	.0109543	3.32	0.002	.0144226	.0584059
cohort2004	-.0059684	.0088641	-0.67	0.504	-.0237639	.011827
award_b4_tsd	.0077049	.008546	0.90	0.372	-.0094519	.0248617
diaward_tsd	-.0006497	.0001516	-4.29	0.000	-.0009541	-.0003454
epeb4twp_flag	-.0116496	.038861	-0.30	0.766	-.0896662	.0663671
ldwb4twp_flag	.035951	.0222328	1.62	0.112	-.0086832	.0805851
ldwb4epe_flag	.2257604	.0448816	5.03	0.000	.1356568	.3158639
twpb4tsd	.2736455	.006896	39.68	0.000	.2598012	.2874899
epeb4tsd	-.1216876	.0078147	-15.57	0.000	-.1373763	-.1059989
ldwb4tsd	-.0724401	.0054444	-13.31	0.000	-.0833701	-.06151
st_AL	.0300665	.0089036	3.38	0.001	.0121918	.0479412
st_AR	-.0144782	.0074251	-1.95	0.057	-.0293847	.0004282
st_AZ	-.00798	.0072239	-1.10	0.274	-.0224824	.0065225
st_CA	.0093628	.0031278	2.99	0.004	.0030834	.0156422
st_CO	-.0395113	.0063351	-6.24	0.000	-.0522295	-.0267931
st_CT	.0108378	.008494	1.28	0.208	-.0062146	.0278902
st_DC	.0261766	.0021462	12.20	0.000	.0218679	.0304852
st_DE	.0013235	.0137025	0.10	0.923	-.0261855	.0288324
st_FL	.0019397	.0090299	0.21	0.831	-.0161886	.0200679
st_GA	-.0098105	.0103591	-0.95	0.348	-.0306073	.0109863
st_HI	-.0319453	.0145413	-2.20	0.033	-.0611382	-.0027525
st_IA	-.0085754	.0134909	-0.64	0.528	-.0356597	.0185088
st_ID	-.0290695	.0097378	-2.99	0.004	-.0486189	-.00952
st_IL	-.0025608	.0040598	-0.63	0.531	-.0107111	.0055896
st_IN	-.0053381	.0094353	-0.57	0.574	-.0242803	.0136041
st_KS	.0055599	.0085307	0.65	0.517	-.0115662	.0226861
st_KY	-.0180316	.0057585	-3.13	0.003	-.0295923	-.006471
st_LA	-.0013475	.0050707	-0.27	0.792	-.0115274	.0088324
st_MA	.0299398	.0076805	3.90	0.000	.0145205	.0453591
st_MD	.0503199	.0122029	4.12	0.000	.0258216	.0748182
st_ME	-.0369902	.0109234	-3.39	0.001	-.0589198	-.0150605
st_MI	.0025487	.0025979	0.98	0.331	-.0026668	.0077641
st_MN	.0461553	.0114457	4.03	0.000	.023177	.0691335
st_MO	-.0086679	.0083857	-1.03	0.306	-.0255029	.0081672
st_MS	-.0049153	.0041469	-1.19	0.241	-.0132405	.00341

st_MT	-.0058289	.0134133	-0.43	0.666	-.0327572	.0210994
st_NC	.0011568	.0045657	0.25	0.801	-.0080092	.0103228
st_ND	.002745	.016096	0.17	0.865	-.029569	.035059
st_NE	-.0786194	.0150962	-5.21	0.000	-.1089262	-.0483126
st_NH	.0126111	.0126556	1.00	0.324	-.012796	.0380182
st_NJ	.0026394	.0066399	0.40	0.693	-.0106908	.0159695
st_NM	.0048141	.0068354	0.70	0.484	-.0089086	.0185368
st_NV	-.0019827	.0085243	-0.23	0.817	-.019096	.0151305
st_NY	.0002508	.0049499	0.05	0.960	-.0096865	.010188
st_OH	-.0463647	.0059919	-7.74	0.000	-.058394	-.0343354
st_OK	-.0027074	.008173	-0.33	0.742	-.0191154	.0137006
st_OR	-.0237785	.0027588	-8.62	0.000	-.029317	-.01824
st_PA	-.0309273	.0075203	-4.11	0.000	-.0460249	-.0158297
st_PR	-.0076879	.019346	-0.40	0.693	-.0465266	.0311508
st_RI	-.1304355	.009444	-13.81	0.000	-.1493952	-.1114758
st_SC	-.008671	.004303	-2.02	0.049	-.0173097	-.0000324
st_SD	.0020895	.0165587	0.13	0.900	-.0311534	.0353325
st_TN	-.006845	.0081537	-0.84	0.405	-.0232143	.0095244
st_TX	-.0434624	.0037049	-11.73	0.000	-.0509004	-.0360244
st_UT	.0687231	.008501	8.08	0.000	.0516566	.0857896
st_VA	-.000826	.0135414	-0.06	0.952	-.0280115	.0263596
st_VT	-.0681582	.0131548	-5.18	0.000	-.0945675	-.0417489
st_WA	.084888	.0017791	47.71	0.000	.0813162	.0884597
st_WI	-.0099206	.0082689	-1.20	0.236	-.0265211	.0066799
st_WV	.0086763	.0060175	1.44	0.155	-.0034044	.020757
st_WY	.2905798	.0118325	24.56	0.000	.2668252	.3143345
tsd_unemp_mean	-.0010448	.0039333	-0.27	0.792	-.0089412	.0068515
tsd_unemp_cng	.0015684	.0028165	0.56	0.580	-.0040859	.0072227
pial	-9.77e-06	7.17e-06	-1.36	0.179	-.0000242	4.63e-06
pia_miss	-.0185539	.0084113	-2.21	0.032	-.0354402	-.0016675
ime1	3.65e-06	2.00e-06	1.82	0.074	-3.66e-07	7.67e-06
ime_miss	-.0099474	.0029183	-3.41	0.001	-.0158062	-.0040886
_cons	.1310555	.0305266	4.29	0.000	.0697709	.1923402

(1) motoimm = 0

F(1, 51) = 0.13
 Prob > F = 0.7226

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.1172
 Root MSE = .23277

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0001966	.0005068	0.39	0.700	-.0008209	.0012141
male	.0050558	.001802	2.81	0.007	.0014382	.0086735
gendermiss_flag	-.1506772	.0085962	-17.53	0.000	-.1679347	-.1334197
tsd_age	-.0022814	.000259	-8.81	0.000	-.0028013	-.0017615
doage2	-.000048	.0001606	-0.30	0.766	-.0003704	.0002744
doage2miss_flag	-.0789984	.0057208	-13.81	0.000	-.0904834	-.0675134
race_a	.0033134	.0105915	0.31	0.756	-.0179498	.0245767
race_b	.0164897	.0020949	7.87	0.000	.0122839	.0206954

race_h	-.0081937	.0045244	-1.81	0.076	-.0172767	.0008893
race_i	-.0025948	.0104583	-0.25	0.805	-.0235908	.0184011
race_o	-.0087531	.0141162	-0.62	0.538	-.0370926	.0195864
race_mis	.0021186	.0048982	0.43	0.667	-.0077149	.0119521
tsd_edu_hs	.0054002	.0018923	2.85	0.006	.0016012	.0091992
tsd_edu_mrhs	.0243462	.0027659	8.80	0.000	.0187934	.029899
tsd_edu_mis	.0156932	.0015898	9.87	0.000	.0125016	.0188848
tsd_mie_exp	-.0118404	.0043659	-2.71	0.009	-.0206053	-.0030756
tsd_mie_mis	-.0166929	.0022456	-7.43	0.000	-.0212012	-.0121847
tsd_mie_psbl	-.0132054	.0019426	-6.80	0.000	-.0171054	-.0093054
tsd_medicare	-.0150623	.0029587	-5.09	0.000	-.0210022	-.0091223
tsd_medicare_miss	-.0467081	.0057319	-8.15	0.000	-.0582154	-.0352009
tsd_depend_1	-.0108782	.0029162	-3.73	0.000	-.0167327	-.0050238
tsd_depend_2	-.0033187	.0017789	-1.87	0.068	-.00689	.0002526
tsd_depend_miss	-.0276779	.0094636	-2.92	0.005	-.0466769	-.0086789
tsd_vrpr	-.0087912	.0059212	-1.48	0.144	-.0206785	.0030961
tsd_vrpr_miss	-.0520477	.0058373	-8.92	0.000	-.0637665	-.0403289
pdcgrou2	-.0048189	.0030806	-1.56	0.124	-.0110035	.0013658
pdcgrou3	-.0002707	.003714	-0.07	0.942	-.0077268	.0071854
pdcgrou4	-.0014046	.0026345	-0.53	0.596	-.0066935	.0038842
pdcgrou5	-.0179668	.0196873	-0.91	0.366	-.0574907	.0215572
cohort2000	-.007768	.0022412	-3.47	0.001	-.0122675	-.0032686
cohort2001	-.0068199	.0040167	-1.70	0.096	-.0148838	.0012441
cohort2002	-.0027627	.0065746	-0.42	0.676	-.0159617	.0104364
cohort2003	.0624956	.0152689	4.09	0.000	.031842	.0931492
cohort2004	.0368796	.0125301	2.94	0.005	.0117243	.0620349
award_b4_tsd	.0051713	.0094145	0.55	0.585	-.013729	.0240717
diaward_tsd	-.0008707	.0001773	-4.91	0.000	-.0012266	-.0005147
epeb4twp_flag	-.0047764	.0435266	-0.11	0.913	-.0921597	.082607
ldwb4twp_flag	.0284081	.027562	1.03	0.308	-.026925	.0837411
ldwb4epe_flag	.360488	.0387458	9.30	0.000	.2827026	.4382734
twpb4tsd	.3022991	.0078664	38.43	0.000	.2865067	.3180916
epeb4tsd	-.1542482	.0076927	-20.05	0.000	-.1696919	-.1388045
ldwb4tsd	-.0900633	.0058865	-15.30	0.000	-.1018809	-.0782457
st_AL	.0118503	.007948	1.49	0.142	-.004106	.0278065
st_AR	-.0303623	.0066928	-4.54	0.000	-.0437987	-.016926
st_AZ	-.0272092	.0063186	-4.31	0.000	-.0398944	-.0145241
st_CA	-.0050157	.0031768	-1.58	0.121	-.0113933	.001362
st_CO	-.0647835	.0058177	-11.14	0.000	-.076463	-.053104
st_CT	.0017653	.0077117	0.23	0.820	-.0137167	.0172472
st_DC	.0034141	.0023371	1.46	0.150	-.001278	.0081061
st_DE	-.0291066	.0122033	-2.39	0.021	-.0536058	-.0046073
st_FL	-.0057269	.0080066	-0.72	0.478	-.0218008	.0103471
st_GA	-.02075	.0090467	-2.29	0.026	-.038912	-.002588
st_HI	-.0584705	.0126017	-4.64	0.000	-.0837695	-.0331715
st_IA	-.0040536	.0122019	-0.33	0.741	-.02855	.0204428
st_ID	.0541643	.0088241	6.14	0.000	.0364492	.0718794
st_IL	-.0254618	.0039065	-6.52	0.000	-.0333044	-.0176192
st_IN	-.0184021	.0085132	-2.16	0.035	-.0354932	-.0013111
st_KS	-.0069519	.0078221	-0.89	0.378	-.0226554	.0087516
st_KY	-.0397973	.0053467	-7.44	0.000	-.0505312	-.0290634
st_LA	-.0184834	.0044557	-4.15	0.000	-.0274287	-.0095382
st_MA	.021635	.0070474	3.07	0.003	.0074868	.0357831
st_MD	.032157	.0107322	3.00	0.004	.0106112	.0537027
st_ME	-.0691542	.0098271	-7.04	0.000	-.0888829	-.0494254
st_MI	-.0162761	.0027608	-5.90	0.000	-.0218187	-.0107336
st_MN	.0088097	.0104356	0.84	0.403	-.0121406	.0297601
st_MO	-.0257198	.0075804	-3.39	0.001	-.0409381	-.0105015
st_MS	-.0248107	.0035429	-7.00	0.000	-.0319233	-.017698
st_MT	-.0169599	.011824	-1.43	0.158	-.0406975	.0067777
st_NC	-.0153201	.0039787	-3.85	0.000	-.0233078	-.0073325
st_ND	-.0084771	.0143421	-0.59	0.557	-.0372702	.0203159
st_NE	-.0116905	.0140179	-0.83	0.408	-.0398325	.0164515

st_NH	.0178731	.0112221	1.59	0.117	-.0046563	.0404024
st_NJ	-.010558	.0058196	-1.81	0.076	-.0222414	.0011254
st_NM	-.0084632	.0062188	-1.36	0.180	-.0209479	.0040215
st_NV	-.0086296	.0074185	-1.16	0.250	-.0235229	.0062636
st_NY	-.0073729	.0046938	-1.57	0.122	-.0167961	.0020503
st_OH	-.0631481	.0055147	-11.45	0.000	-.0742193	-.052077
st_OK	.012565	.0072239	1.74	0.088	-.0019375	.0270676
st_OR	-.03366	.00278	-12.11	0.000	-.0392411	-.0280788
st_PA	-.0522284	.0066093	-7.90	0.000	-.0654972	-.0389596
st_PR	-.0529082	.0186917	-2.83	0.007	-.0904333	-.015383
st_RI	.0255955	.0097482	2.63	0.011	.0060252	.0451658
st_SC	-.0375796	.0040555	-9.27	0.000	-.0457214	-.0294379
st_SD	-.0182319	.0149359	-1.22	0.228	-.048217	.0117531
st_TN	-.0256973	.0074318	-3.46	0.001	-.0406173	-.0107773
st_TX	-.0230253	.0033648	-6.84	0.000	-.0297804	-.0162702
st_UT	.0387094	.0078358	4.94	0.000	.0229785	.0544403
st_VA	-.00946	.0120002	-0.79	0.434	-.0335514	.0146314
st_VT	-.0661228	.0115628	-5.72	0.000	-.0893361	-.0429095
st_WA	.0684024	.0022939	29.82	0.000	.0637971	.0730076
st_WI	-.0475831	.0073836	-6.44	0.000	-.0624063	-.0327599
st_WV	.0268102	.0052555	5.10	0.000	.0162593	.0373612
st_WY	.246152	.0101412	24.27	0.000	.2257928	.2665113
tsd_unemp_mean	.0013363	.0035729	0.37	0.710	-.0058365	.0085091
tsd_unemp_cng	.0030382	.0030381	1.00	0.322	-.003061	.0091374
pial	2.13e-06	.0000105	0.20	0.839	-.0000189	.0000231
pia_miss	-.0140228	.0096546	-1.45	0.153	-.0334053	.0053596
ime1	-1.34e-06	2.73e-06	-0.49	0.626	-6.82e-06	4.15e-06
ime_miss	-.0246569	.003287	-7.50	0.000	-.0312558	-.018058
_cons	.2224933	.0305047	7.29	0.000	.1612525	.2837341

(1) motoimm = 0

F(1, 51) = 0.15
 Prob > F = 0.6998

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.1148
 Root MSE = .25663

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0000908	.0006536	-0.14	0.890	-.0014029	.0012212
male	.0047496	.0021736	2.19	0.033	.0003859	.0091132
gendermiss_flag	-.1983894	.0098565	-20.13	0.000	-.2181771	-.1786016
tsd_age	-.0030534	.0003321	-9.19	0.000	-.0037202	-.0023866
doage2	.0000774	.0001923	0.40	0.689	-.0003086	.0004635
doage2miss_flag	-.0994937	.0069084	-14.40	0.000	-.1133627	-.0856246
race_a	.0036624	.0147689	0.25	0.805	-.0259873	.0333121
race_b	.0170573	.0021486	7.94	0.000	.0127438	.0213708
race_h	-.0047984	.0055928	-0.86	0.395	-.0160264	.0064296
race_i	-.0026281	.0110139	-0.24	0.812	-.0247395	.0194832
race_o	-.0071643	.0164059	-0.44	0.664	-.0401006	.0257719
race_mis	-.0028247	.0054078	-0.52	0.604	-.0136813	.0080319

tsd_edu_hs	.0076953	.0022869	3.36	0.001	.003104	.0122865
tsd_edu_mrhs	.0302999	.0032196	9.41	0.000	.0238364	.0367635
tsd_edu_mis	.0182072	.0022158	8.22	0.000	.0137588	.0226556
tsd_mie_exp	-.0124997	.0054818	-2.28	0.027	-.0235049	-.0014944
tsd_mie_mis	-.0170258	.0022533	-7.56	0.000	-.0215495	-.0125021
tsd_mie_psbl	-.0118192	.0025171	-4.70	0.000	-.0168725	-.0067659
tsd_medicare	-.0178023	.0034812	-5.11	0.000	-.0247912	-.0108135
tsd_medicare_miss	-.0584991	.0063319	-9.24	0.000	-.0712109	-.0457873
tsd_depend_1	-.009932	.0031802	-3.12	0.003	-.0163164	-.0035475
tsd_depend_2	-.000228	.00167	-0.14	0.892	-.0035807	.0031247
tsd_depend_miss	-.0375228	.0096012	-3.91	0.000	-.0567981	-.0182475
tsd_vrpr	-.028703	.0049819	-5.76	0.000	-.0387045	-.0187015
tsd_vrpr_miss	-.0823061	.00519	-15.86	0.000	-.0927254	-.0718867
pdcgrou2	-.0077579	.0033754	-2.30	0.026	-.0145344	-.0009815
pdcgrou3	-.0006691	.0037544	-0.18	0.859	-.0082064	.0068681
pdcgrou4	-.0026271	.0029953	-0.88	0.385	-.0086405	.0033862
pdcgrou5	-.0317607	.0195629	-1.62	0.111	-.071035	.0075135
cohort2000	-.0099863	.0029434	-3.39	0.001	-.0158954	-.0040772
cohort2001	-.0106235	.0047683	-2.23	0.030	-.0201964	-.0010507
cohort2002	-.0057057	.0068513	-0.83	0.409	-.0194601	.0080488
cohort2003	.0773208	.0202462	3.82	0.000	.0366748	.1179667
cohort2004	.0561907	.0132085	4.25	0.000	.0296734	.0827079
award_b4_tsd	.0043465	.0102988	0.42	0.675	-.0163292	.0250222
diaward_tsd	-.0009656	.0002551	-3.79	0.000	-.0014777	-.0004536
epeb4twp_flag	-.0042237	.0460082	-0.09	0.927	-.0965891	.0881417
ldwb4twp_flag	.02086	.0309026	0.68	0.503	-.0411796	.0828996
ldwb4epe_flag	.4930259	.0398441	12.37	0.000	.4130356	.5730162
twpb4tsd	.3083192	.0075521	40.83	0.000	.2931576	.3234808
epeb4tsd	-.1737413	.0076541	-22.70	0.000	-.1891076	-.158375
ldwb4tsd	-.1008344	.0055036	-18.32	0.000	-.1118834	-.0897853
st_AL	-.0014021	.0094664	-0.15	0.883	-.0204067	.0176025
st_AR	-.0292463	.0085351	-3.43	0.001	-.0463813	-.0121114
st_AZ	-.0229276	.0067862	-3.38	0.001	-.0365514	-.0093038
st_CA	-.0044942	.0030509	-1.47	0.147	-.0106192	.0016307
st_CO	-.0684394	.0065685	-10.42	0.000	-.0816263	-.0552525
st_CT	.0027021	.0094511	0.29	0.776	-.0162717	.021676
st_DC	.0122193	.0030672	3.98	0.000	.0060617	.018377
st_DE	-.006528	.0142737	-0.46	0.649	-.0351836	.0221277
st_FL	.000162	.0088361	0.02	0.985	-.0175771	.0179012
st_GA	-.019454	.0112742	-1.73	0.090	-.0420879	.0031799
st_HI	-.0680134	.015794	-4.31	0.000	-.0997211	-.0363056
st_IA	.0218415	.014031	1.56	0.126	-.0063268	.0500098
st_ID	.0434505	.0095343	4.56	0.000	.0243096	.0625913
st_IL	-.0316901	.0036001	-8.80	0.000	-.0389177	-.0244626
st_IN	-.0179388	.0105221	-1.70	0.094	-.0390628	.0031853
st_KS	-.0003476	.0098865	-0.04	0.972	-.0201956	.0195005
st_KY	-.0402734	.0065119	-6.18	0.000	-.0533466	-.0272001
st_LA	-.0133136	.0056096	-2.37	0.021	-.0245754	-.0020518
st_MA	.0320241	.0074616	4.29	0.000	.0170442	.0470039
st_MD	.0540076	.0132591	4.07	0.000	.0273888	.0806265
st_ME	-.0800336	.0113721	-7.04	0.000	-.1028641	-.0572031
st_MI	-.0185162	.003616	-5.12	0.000	-.0257756	-.0112569
st_MN	.0280465	.0125933	2.23	0.030	.0027643	.0533286
st_MO	-.0220299	.0093413	-2.36	0.022	-.0407833	-.0032765
st_MS	-.0259904	.0039681	-6.55	0.000	-.0339568	-.018024
st_MT	-.0144248	.0141212	-1.02	0.312	-.0427743	.0139246
st_NC	-.0064744	.0043803	-1.48	0.146	-.0152682	.0023194
st_ND	.0002339	.0174738	0.01	0.989	-.0348462	.035314
st_NE	-.0340998	.0170279	-2.00	0.051	-.0682847	.0000851
st_NH	.0361468	.0130437	2.77	0.008	.0099604	.0623332
st_NJ	-.0087969	.0066683	-1.32	0.193	-.022184	.0045903
st_NM	-.0048757	.0077855	-0.63	0.534	-.0205057	.0107542
st_NV	-.0121452	.0082459	-1.47	0.147	-.0286995	.0044092

st_NY	-.0066842	.0049589	-1.35	0.184	-.0166395	.0032712
st_OH	-.0809307	.0066734	-12.13	0.000	-.0943281	-.0675334
st_OK	.0131619	.0087589	1.50	0.139	-.0044224	.0307462
st_OR	-.0113083	.0032274	-3.50	0.001	-.0177876	-.004829
st_PA	-.0656406	.0081417	-8.06	0.000	-.0819858	-.0492954
st_PR	-.0737176	.0206267	-3.57	0.001	-.1151276	-.0323077
st_RI	.0123516	.0107764	1.15	0.257	-.009283	.0339862
st_SC	-.0397022	.0045199	-8.78	0.000	-.0487763	-.0306282
st_SD	-.0059615	.0183558	-0.32	0.747	-.0428123	.0308893
st_TN	-.0249652	.0093869	-2.66	0.010	-.0438103	-.0061202
st_TX	-.0311829	.0039115	-7.97	0.000	-.0390354	-.0233303
st_UT	.0310728	.0088861	3.50	0.001	.0132333	.0489123
st_VA	-.003628	.0146268	-0.25	0.805	-.0329925	.0257365
st_VT	-.0075449	.0129511	-0.58	0.563	-.0335452	.0184555
st_WA	.048186	.0022153	21.75	0.000	.0437385	.0526335
st_WI	-.0353166	.007852	-4.50	0.000	-.0510801	-.0195531
st_WV	.0122252	.0067786	1.80	0.077	-.0013834	.0258339
tsd_WY	.2244365	.0133062	16.87	0.000	.1977231	.2511498
tsd_unemp_mean	.0028304	.0043679	0.65	0.520	-.0059386	.0115994
tsd_unemp_cng	.0006108	.004343	0.14	0.889	-.0081081	.0093297
pial	7.00e-06	.0000104	0.67	0.506	-.000014	.000028
pia_miss	-.0043188	.0093999	-0.46	0.648	-.0231899	.0145524
ime1	-4.31e-06	2.90e-06	-1.49	0.144	-.0000101	1.51e-06
ime_miss	-.0354498	.0037339	-9.49	0.000	-.042946	-.0279537
_cons	.2844328	.0371492	7.66	0.000	.2098527	.359013

(1) motoimm = 0

F(1, 51) = 0.02
 Prob > F = 0.8900

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.0197
 Root MSE = .17901

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0001558	.0003455	0.45	0.654	-.0005378	.0008493
male	.0024606	.00151	1.63	0.109	-.0005708	.0054921
gendermiss_flag	-.102995	.0094972	-10.84	0.000	-.1220613	-.0839286
tsd_age	-.0011699	.0001447	-8.09	0.000	-.0014604	-.0008795
doage2	-4.54e-06	.000136	-0.03	0.973	-.0002776	.0002685
doage2miss_flag	-.0406299	.0041512	-9.79	0.000	-.0489639	-.0322959
race_a	.0038947	.0080001	0.49	0.628	-.0121663	.0199556
race_b	.0082132	.0019457	4.22	0.000	.0043069	.0121194
race_h	-.0033829	.0025706	-1.32	0.194	-.0085435	.0017778
race_i	-.0022079	.0081049	-0.27	0.786	-.0184792	.0140633
race_o	.0137096	.0174217	0.79	0.435	-.021266	.0486851
race_mis	.0068675	.0054902	1.25	0.217	-.0041545	.0178896
tsd_edu_hs	.0018596	.0015806	1.18	0.245	-.0013135	.0050327
tsd_edu_mrhs	.01158	.0026873	4.31	0.000	.006185	.0169749
tsd_edu_mis	.0034372	.0016241	2.12	0.039	.0001768	.0066977
tsd_mie_exp	.0014208	.0031603	0.45	0.655	-.0049237	.0077653

tsd_mie_mis	-.0044541	.0016553	-2.69	0.010	-.0077772	-.001131
tsd_mie_psbl	.0037967	.0020814	1.82	0.074	-.0003819	.0079752
tsd_medicare	-.0167035	.0018357	-9.10	0.000	-.0203889	-.0130181
tsd_medicare_miss	-.0197704	.0064089	-3.08	0.003	-.0326369	-.0069039
tsd_depend_1	-.0059818	.0020931	-2.86	0.006	-.010184	-.0017796
tsd_depend_2	-.0012461	.0013707	-0.91	0.368	-.0039979	.0015057
tsd_depend_miss	-.0151726	.0040541	-3.74	0.000	-.0233115	-.0070337
tsd_vrpr	-.0101141	.0034585	-2.92	0.005	-.0170574	-.0031708
tsd_vrpr_miss	-.0356642	.0028942	-12.32	0.000	-.0414746	-.0298537
pdcgrou2	-.0061759	.0034581	-1.79	0.080	-.0131183	.0007666
pdcgrou3	-.0060945	.0033845	-1.80	0.078	-.0128892	.0007002
pdcgrou4	-.0047423	.0026983	-1.76	0.085	-.0101594	.0006748
pdcgrou5	-.0057328	.0180807	-0.32	0.752	-.0420312	.0305657
cohort2000	-.0055175	.0027278	-2.02	0.048	-.0109938	-.0000413
cohort2001	-.0048628	.0043711	-1.11	0.271	-.0136381	.0039124
cohort2002	-.0062732	.0061573	-1.02	0.313	-.0186346	.0060882
cohort2003	.0010438	.0121931	0.09	0.932	-.0234348	.0255225
cohort2004	-.0309318	.0096282	-3.21	0.002	-.0502612	-.0116024
award_b4_tsd	.008723	.0091432	0.95	0.345	-.0096328	.0270788
diaward_tsd	-.0002168	.0001507	-1.44	0.156	-.0005194	.0000858
epeb4twp_flag	.1059366	.1124978	0.94	0.351	-.1199122	.3317854
ldwb4twp_flag	.0146888	.0720742	0.20	0.839	-.1300062	.1593837
ldwb4epe_flag	.1853202	.0346916	5.34	0.000	.1156739	.2549664
twpb4tsd	-.0180011	.0086426	-2.08	0.042	-.0353518	-.0006503
epeb4tsd	-.0323334	.0032415	-9.97	0.000	-.0388409	-.0258258
ldwb4tsd	-.016572	.0023457	-7.06	0.000	-.0212812	-.0118627
st_AL	-.0111614	.0074656	-1.50	0.141	-.0261493	.0038264
st_AR	-.0163187	.0057889	-2.82	0.007	-.0279403	-.004697
st_AZ	-.0102216	.0058574	-1.75	0.087	-.0219809	.0015376
st_CA	.013636	.002803	4.86	0.000	.0080088	.0192632
st_CO	-.0378222	.0051179	-7.39	0.000	-.0480968	-.0275477
st_CT	.0015626	.0071411	0.22	0.828	-.0127737	.015899
st_DC	.0002296	.0025204	0.09	0.928	-.0048304	.0052896
st_DE	.0244169	.0112874	2.16	0.035	.0017566	.0470772
st_FL	-.0009524	.0075878	-0.13	0.901	-.0161856	.0142808
st_GA	-.0126082	.0087922	-1.43	0.158	-.0302592	.0050429
st_HI	-.0464907	.0126607	-3.67	0.001	-.0719081	-.0210732
st_IA	.0087592	.0102353	0.86	0.396	-.0117891	.0293074
st_ID	-.0407851	.0070542	-5.78	0.000	-.054947	-.0266233
st_IL	-.0045994	.0032284	-1.42	0.160	-.0110806	.0018819
st_IN	-.0104915	.0075709	-1.39	0.172	-.0256907	.0047077
st_KS	-.0024361	.0067917	-0.36	0.721	-.016071	.0111989
st_KY	-.0180547	.0046893	-3.85	0.000	-.0274688	-.0086406
st_LA	-.0064189	.0044136	-1.45	0.152	-.0152797	.0024418
st_MA	.0328691	.0060595	5.42	0.000	.0207043	.045034
st_MD	-.0484774	.0100661	-4.82	0.000	-.068686	-.0282688
st_ME	-.0415196	.0087667	-4.74	0.000	-.0591194	-.0239198
st_MI	-.0033482	.0022976	-1.46	0.151	-.0079608	.0012644
st_MN	.0524055	.0095666	5.48	0.000	.0331998	.0716112
st_MO	-.0059992	.0067229	-0.89	0.376	-.019496	.0074976
st_MS	-.0103951	.0039009	-2.66	0.010	-.0182266	-.0025636
st_MT	-.0157105	.0105467	-1.49	0.142	-.036884	.005463
st_NC	.0517629	.0038294	13.52	0.000	.044075	.0594509
st_ND	-.0211143	.0127208	-1.66	0.103	-.0466811	.004395
st_NE	-.0664516	.0120451	-5.52	0.000	-.0906332	-.0422699
st_NH	.0001569	.0102644	0.02	0.988	-.0204497	.0207636
st_NJ	-.0035352	.0058337	-0.61	0.547	-.0152469	.0081766
st_NM	-.0046365	.0056766	-0.82	0.418	-.0160328	.0067598
st_NV	-.0006274	.0072473	-0.09	0.931	-.0151769	.0139221
st_NY	.0004368	.0044136	0.10	0.922	-.008424	.0092975
st_OH	-.0301566	.0048488	-6.22	0.000	-.0398909	-.0204223
st_OK	-.0355411	.006579	-5.40	0.000	-.0487489	-.0223332
st_OR	.0001239	.0027201	0.05	0.964	-.0053369	.0055847

st_PA	-.0277426	.0066519	-4.17	0.000	-.0410969	-.0143884
st_PR	.0029825	.0143352	0.21	0.836	-.0257966	.0317616
st_RI	.1610718	.0070969	22.70	0.000	.1468242	.1753193
st_SC	-.0298256	.0033621	-8.87	0.000	-.0365753	-.0230759
st_SD	-.0132029	.0129527	-1.02	0.313	-.0392066	.0128007
st_TN	-.0137148	.0065429	-2.10	0.041	-.0268503	-.0005793
st_TX	-.0066776	.0029315	-2.28	0.027	-.0125628	-.0007924
st_UT	-.0309892	.0074023	-4.19	0.000	-.0458499	-.0161285
st_VA	-.0104755	.0112224	-0.93	0.355	-.0330054	.0120544
st_VT	.0252608	.0101074	2.50	0.016	.0049694	.0455523
st_WA	.0392549	.0013497	29.08	0.000	.0365451	.0419646
st_WI	-.0238813	.0064842	-3.68	0.001	-.0368988	-.0108638
st_WV	.0210435	.0052519	4.01	0.000	.0104999	.0315872
st_WY	-.0526847	.009901	-5.32	0.000	-.0725617	-.0328076
tsd_unemp_mean	-.0029813	.003225	-0.92	0.360	-.0094557	.0034931
tsd_unemp_cng	.0031127	.0030194	1.03	0.307	-.002949	.0091745
pial	.0000246	7.23e-06	3.40	0.001	.00001	.0000391
pia_miss	.0093815	.0061816	1.52	0.135	-.0030286	.0217915
ime1	-6.04e-06	1.85e-06	-3.26	0.002	-9.76e-06	-2.32e-06
ime_miss	-.0182336	.0025699	-7.10	0.000	-.0233929	-.0130743
_cons	.1421813	.026065	5.45	0.000	.0898536	.1945089

(1) motoimm = 0

F(1, 51) = 0.20
 Prob > F = 0.6540

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.0332
 Root MSE = .23403

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.000146	.0002889	0.51	0.615	-.000434	.000726
male	.0014489	.0017185	0.84	0.403	-.002001	.0048989
gendermiss_flag	-.2038069	.0116548	-17.49	0.000	-.2272049	-.1804089
tsd_age	-.0018973	.000262	-7.24	0.000	-.0024233	-.0013713
doage2	-.0001407	.0001839	-0.77	0.448	-.0005099	.0002284
doage2miss_flag	-.078244	.0056795	-13.78	0.000	-.0896461	-.0668418
race_a	.0045866	.0125341	0.37	0.716	-.0205767	.02975
race_b	.0139093	.0023678	5.87	0.000	.0091557	.0186628
race_h	-.0011193	.0060445	-0.19	0.854	-.0132542	.0110156
race_i	-.0012842	.0121148	-0.11	0.916	-.0256057	.0230373
race_o	.0115168	.0176202	0.65	0.516	-.0238571	.0468908
race_mis	.0020738	.0056959	0.36	0.717	-.0093612	.0135087
tsd_edu_hs	.00203	.0018491	1.10	0.277	-.0016822	.0057421
tsd_edu_mrhs	.0212087	.0030128	7.04	0.000	.0151602	.0272572
tsd_edu_mis	.0049077	.0022448	2.19	0.033	.0004011	.0094143
tsd_mie_exp	.0057532	.0043795	1.31	0.195	-.003039	.0145455
tsd_mie_mis	-.0059718	.0025413	-2.35	0.023	-.0110737	-.00087
tsd_mie_psbl	.0061468	.0027796	2.21	0.032	.0005665	.011727
tsd_medicare	-.0247496	.0027975	-8.85	0.000	-.0303657	-.0191334
tsd_medicare_miss	-.0376998	.0077532	-4.86	0.000	-.0532651	-.0221346

tsd_depend_1	-.006781	.0030984	-2.19	0.033	-.0130013	-.0005607
tsd_depend_2	.0004065	.0022354	0.18	0.856	-.0040813	.0048943
tsd_depend_miss	-.0330765	.0044825	-7.38	0.000	-.0420754	-.0240775
tsd_vrpr	-.0428315	.0062244	-6.88	0.000	-.0553275	-.0303354
tsd_vrpr_miss	-.0840141	.006639	-12.65	0.000	-.0973425	-.0706858
pdcgrou2	-.0099171	.0039197	-2.53	0.015	-.0177863	-.0020478
pdcgrou3	-.0090066	.0044339	-2.03	0.047	-.017908	-.0001052
pdcgrou4	-.0088623	.0032925	-2.69	0.010	-.0154722	-.0022524
pdcgrou5	.0001142	.0197152	0.01	0.995	-.0394657	.0396942
cohort2000	-.0090683	.0040269	-2.25	0.029	-.0171526	-.0009839
cohort2001	-.0141401	.006823	-2.07	0.043	-.0278377	-.0004424
cohort2002	-.0155796	.0094984	-1.64	0.107	-.0346485	.0034892
cohort2003	.0135223	.0214823	0.63	0.532	-.0296052	.0566499
cohort2004	-.0108662	.0218874	-0.50	0.622	-.054807	.0330746
award_b4_tsd	.0143198	.0104391	1.37	0.176	-.0066376	.0352771
diaward_tsd	-.0006322	.0002828	-2.24	0.030	-.0012	-.0000645
epeb4twp_flag	.0316169	.1385333	0.23	0.820	-.2465003	.3097341
ldwb4twp_flag	.4186787	.1208114	3.47	0.001	.1761397	.6612177
ldwb4epe_flag	.2340381	.028164	8.31	0.000	.1774965	.2905796
twpb4tsd	-.0465327	.0087733	-5.30	0.000	-.0641459	-.0289195
epeb4tsd	-.0513652	.0036789	-13.96	0.000	-.058751	-.0439795
ldwb4tsd	-.0245759	.0028229	-8.71	0.000	-.0302431	-.0189086
st_AL	.0264377	.006609	4.00	0.000	.0131696	.0397057
st_AR	-.0182385	.0052216	-3.49	0.001	-.0287213	-.0077557
st_AZ	-.0118458	.0051064	-2.32	0.024	-.0220974	-.0015942
st_CA	.0205105	.002675	7.67	0.000	.0151401	.0258808
st_CO	-.0544553	.0046436	-11.73	0.000	-.0637777	-.045133
st_CT	.0046027	.0061241	0.75	0.456	-.007692	.0168973
st_DC	-.0112422	.0029042	-3.87	0.000	-.0170727	-.0054118
st_DE	-.0029741	.0098292	-0.30	0.763	-.0227071	.0167588
st_FL	.0022775	.0064637	0.35	0.726	-.0106989	.015254
st_GA	-.0159373	.0076079	-2.09	0.041	-.0312109	-.0006637
st_HI	-.072792	.01143	-6.37	0.000	-.0957387	-.0498454
st_IA	-.0145783	.008842	-1.65	0.105	-.0323293	.0031727
st_ID	.0435319	.0063428	6.86	0.000	.0307981	.0562657
st_IL	-.0235747	.0033054	-7.13	0.000	-.0302106	-.0169387
st_IN	-.0109243	.0066778	-1.64	0.108	-.0243305	.0024818
st_KS	.0029134	.006007	0.49	0.630	-.0091461	.0149729
st_KY	-.0234667	.0043041	-5.45	0.000	-.0321075	-.0148259
st_LA	-.0075728	.0039718	-1.91	0.062	-.0155465	.000401
st_MA	.0369281	.0054432	6.78	0.000	.0260005	.0478557
st_MD	-.0119162	.0088293	-1.35	0.183	-.0296418	.0058095
st_ME	-.0700974	.0074599	-9.40	0.000	-.0850738	-.055121
st_MI	-.0070064	.0026557	-2.64	0.011	-.0123379	-.0016748
st_MN	.0187057	.0086266	2.17	0.035	.001387	.0360245
st_MO	-.0089237	.005868	-1.52	0.135	-.0207042	.0028569
st_MS	-.0167887	.0036381	-4.61	0.000	-.0240924	-.009485
st_MT	-.0175082	.00901	-1.94	0.058	-.0355965	.00058
st_NC	.0485151	.0034117	14.22	0.000	.0416659	.0553644
st_ND	-.0258821	.0109277	-2.37	0.022	-.0478204	-.0039438
st_NE	.0020675	.0106766	0.19	0.847	-.0193667	.0235017
st_NH	.0193678	.0087786	2.21	0.032	.001744	.0369916
st_NJ	-.0031573	.0048715	-0.65	0.520	-.0129373	.0066227
st_NM	-.0078576	.0051077	-1.54	0.130	-.0181117	.0023966
st_NV	-.0006454	.0062502	-0.10	0.918	-.0131932	.0119023
st_NY	.0004116	.003902	0.11	0.916	-.007422	.0082451
st_OH	-.0353946	.0043571	-8.12	0.000	-.0441419	-.0266473
st_OK	.0105531	.0056746	1.86	0.069	-.0008391	.0219454
st_OR	.013708	.0026974	5.08	0.000	.0082928	.0191231
st_PA	-.0106609	.0053987	-1.97	0.054	-.0214993	.0001774
st_PR	-.0187015	.0148399	-1.26	0.213	-.0484939	.0110908
st_RI	.1401852	.0069991	20.03	0.000	.1261339	.1542365
st_SC	-.0391858	.0035026	-11.19	0.000	-.0462175	-.0321541

st_SD	-.0281582	.0113049	-2.49	0.016	-.0508537	-.0054627
st_TN	-.018792	.0058468	-3.21	0.002	-.03053	-.0070541
st_TX	-.0101663	.002765	-3.68	0.001	-.0157172	-.0046154
st_UT	-.0445334	.0059929	-7.43	0.000	-.0565648	-.0325021
st_VA	-.0089102	.0097669	-0.91	0.366	-.0285181	.0106978
st_VT	.069131	.0090001	7.68	0.000	.0510625	.0871995
st_WA	.0634991	.001778	35.71	0.000	.0599296	.0670685
st_WI	-.0280856	.0058049	-4.84	0.000	-.0397394	-.0164317
st_WV	.0494483	.0047895	10.32	0.000	.0398331	.0590636
st_WY	.2378793	.0091312	26.05	0.000	.2195476	.256211
tsd_unemp_mean	-.0032856	.0028533	-1.15	0.255	-.0090139	.0024427
tsd_unemp_cng	.0049618	.0027373	1.81	0.076	-.0005335	.0104572
pial	.0000368	9.34e-06	3.94	0.000	.0000181	.0000556
pia_miss	.0186559	.0067801	2.75	0.008	.0050442	.0322676
ime1	-.0000109	2.43e-06	-4.46	0.000	-.0000157	-5.97e-06
ime_miss	-.0324116	.0033072	-9.80	0.000	-.039051	-.0257721
_cons	.2649347	.0255155	10.38	0.000	.2137102	.3161592

(1) motoimm = 0

F(1, 51) = 0.26
 Prob > F = 0.6154

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_unemp.xls

dir : seeout

Linear regression

Number of obs = 77128
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.0438
 Root MSE = .26696

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-7.28e-06	.0004384	-0.02	0.987	-.0008874 .0008728
male	.001428	.0018494	0.77	0.444	-.0022849 .0051408
gendermiss_flag	-.2624972	.0129749	-20.23	0.000	-.2885455 -.2364489
tsd_age	-.0026903	.0004025	-6.68	0.000	-.0034983 -.0018823
doage2	-.0000788	.0002497	-0.32	0.754	-.0005802 .0004226
doage2miss_flag	-.1143997	.0072053	-15.88	0.000	-.1288649 -.0999346
race_a	.0050849	.0124484	0.41	0.685	-.0199063 .030076
race_b	.014802	.0024108	6.14	0.000	.0099621 .0196419
race_h	-.0006191	.0065175	-0.09	0.925	-.0137034 .0124653
race_i	-.0043865	.0135034	-0.32	0.747	-.0314956 .0227226
race_o	.0070283	.017216	0.41	0.685	-.0275343 .0415909
race_mis	-.0032004	.0063224	-0.51	0.615	-.0158932 .0094923
tsd_edu_hs	.0026721	.002071	1.29	0.203	-.0014856 .0068298
tsd_edu_mrhs	.0278166	.0040059	6.94	0.000	.0197743 .0358589
tsd_edu_mis	.0058746	.0024317	2.42	0.019	.0009927 .0107566
tsd_mie_exp	.0127553	.0043434	2.94	0.005	.0040355 .0214751
tsd_mie_mis	-.0038595	.0023517	-1.64	0.107	-.0085808 .0008618
tsd_mie_psbl	.010116	.0025192	4.02	0.000	.0050584 .0151736
tsd_medicare	-.0287099	.0031961	-8.98	0.000	-.0351264 -.0222933
tsd_medicare_miss	-.0559547	.0082992	-6.74	0.000	-.0726159 -.0392934
tsd_depend_1	-.0078847	.0031116	-2.53	0.014	-.0141314 -.0016379
tsd_depend_2	.0021864	.0023236	0.94	0.351	-.0024785 .0068513
tsd_depend_miss	-.0460766	.0054153	-8.51	0.000	-.0569483 -.035205
tsd_vrpr	-.0635821	.0060024	-10.59	0.000	-.0756324 -.0515318

tsd_vrpr_miss	-.1175606	.0062949	-18.68	0.000	-.1301982	-.1049231
pdcgroup2	-.0186472	.0042038	-4.44	0.000	-.0270866	-.0102078
pdcgroup3	-.0131026	.0047822	-2.74	0.008	-.0227032	-.003502
pdcgroup4	-.0154595	.0039026	-3.96	0.000	-.0232942	-.0076247
pdcgroup5	-.0101132	.0284421	-0.36	0.724	-.0672131	.0469867
cohort2000	-.0093062	.0049228	-1.89	0.064	-.0191892	.0005768
cohort2001	-.0092931	.0078579	-1.18	0.242	-.0250685	.0064823
cohort2002	-.0102302	.0116236	-0.88	0.383	-.0335655	.0131052
cohort2003	.041861	.0228746	1.83	0.073	-.0040616	.0877836
cohort2004	.0333379	.0186725	1.79	0.080	-.0041486	.0708244
award_b4_tsd	.0168281	.0108595	1.55	0.127	-.0049732	.0386295
diaward_tsd	-.0004527	.0003414	-1.33	0.191	-.001138	.0002326
epeb4twp_flag	-.0532397	.1408222	-0.38	0.707	-.335952	.2294726
ldwb4twp_flag	.5971788	.1256146	4.75	0.000	.3449969	.8493606
ldwb4epe_flag	.343864	.0414859	8.29	0.000	.2605775	.4271505
twpb4tsd	-.0694919	.0086321	-8.05	0.000	-.0868215	-.0521623
epeb4tsd	-.0667016	.0043416	-15.36	0.000	-.0754177	-.0579854
ldwb4tsd	-.0327593	.0034788	-9.42	0.000	-.0397434	-.0257753
st_AL	.0191153	.0116178	1.65	0.106	-.0042084	.042439
st_AR	-.0195899	.0093713	-2.09	0.042	-.0384036	-.0007762
st_AZ	.0004369	.0088184	0.05	0.961	-.0172667	.0181406
st_CA	.0108794	.0040474	2.69	0.010	.002754	.0190048
st_CO	-.0792964	.0078385	-10.12	0.000	-.0950329	-.0635599
st_CT	.0036874	.0105885	0.35	0.729	-.0175699	.0249448
st_DC	-.0201732	.0046354	-4.35	0.000	-.0294792	-.0108671
st_DE	.0113116	.0172338	0.66	0.515	-.0232867	.04591
st_FL	.006583	.0112038	0.59	0.559	-.0159096	.0290757
st_GA	-.0201726	.0138335	-1.46	0.151	-.0479444	.0075993
st_HI	-.0925452	.0191109	-4.84	0.000	-.1309119	-.0541785
st_IA	.0172937	.0159464	1.08	0.283	-.0147201	.0493075
st_ID	.0224168	.0117612	1.91	0.062	-.0011948	.0460283
st_IL	-.0262815	.0049795	-5.28	0.000	-.0362783	-.0162847
st_IN	-.0181808	.0115848	-1.57	0.123	-.0414381	.0050766
st_KS	.0102116	.0107563	0.95	0.347	-.0113826	.0318057
st_KY	-.0269393	.0072395	-3.72	0.000	-.0414732	-.0124053
st_LA	-.0087164	.0071594	-1.22	0.229	-.0230896	.0056568
st_MA	.0373815	.0090354	4.14	0.000	.0192422	.0555208
st_MD	.0343065	.0153992	2.23	0.030	.0033914	.0652217
st_ME	-.0932761	.0126777	-7.36	0.000	-.1187276	-.0678246
st_MI	-.0148434	.0039671	-3.74	0.000	-.0228078	-.0068791
st_MN	-.0064473	.013936	-0.46	0.646	-.034425	.0215305
st_MO	-.0121231	.0104688	-1.16	0.252	-.0331401	.008894
st_MS	-.024193	.0060446	-4.00	0.000	-.036328	-.012058
st_MT	-.021963	.0158675	-1.38	0.172	-.0538185	.0098924
st_NC	.0192991	.0059279	3.26	0.002	.0073984	.0311999
st_ND	-.0121343	.0193835	-0.63	0.534	-.0510483	.0267796
st_NE	-.0294238	.0190741	-1.54	0.129	-.0677166	.0088691
st_NH	.0363842	.0150062	2.42	0.019	.006258	.0665103
st_NJ	-.0062295	.0083592	-0.75	0.460	-.0230114	.0105523
st_NM	-.0083444	.0080191	-1.04	0.303	-.0244434	.0077545
st_NV	-.0024645	.0102677	-0.24	0.811	-.0230777	.0181488
st_NY	.0069248	.0065564	1.06	0.296	-.0062378	.0200874
st_OH	-.0630208	.0075562	-8.34	0.000	-.0781906	-.0478511
st_OK	.0358168	.0096703	3.70	0.001	.0164029	.0552306
st_OR	.023657	.0031273	7.56	0.000	.0173787	.0299354
st_PA	-.0362727	.0098837	-3.67	0.001	-.0561152	-.0164303
st_PR	-.05252	.0233865	-2.25	0.029	-.0994704	-.0055697
st_RI	.1265209	.010428	12.13	0.000	.1055858	.147456
st_SC	-.066086	.005863	-11.27	0.000	-.0778564	-.0543156
st_SD	-.0261152	.0199582	-1.31	0.197	-.066183	.0139526
st_TN	-.0238962	.0102046	-2.34	0.023	-.0443827	-.0034096
st_TX	-.019923	.004768	-4.18	0.000	-.0294952	-.0103507
st_UT	-.0600324	.0097617	-6.15	0.000	-.0796298	-.040435

st_VA	-.0075584	.0169233	-0.45	0.657	-.0415334	.0264166
st_VT	.0477357	.0154892	3.08	0.003	.0166398	.0788316
st_WA	.0305835	.0022173	13.79	0.000	.026132	.0350349
st_WI	-.020828	.0101298	-2.06	0.045	-.0411644	-.0004916
st_WV	.0248373	.0084617	2.94	0.005	.0078497	.041825
st_WY	.2044204	.0164128	12.45	0.000	.1714702	.2373705
tsd_unemp_mean	-.000861	.0047585	-0.18	0.857	-.0104141	.0086922
tsd_unemp_cng	.0044488	.0033366	1.33	0.188	-.0022497	.0111473
pial	.0000426	.0000116	3.67	0.001	.0000193	.0000659
pia_miss	.0308761	.0082389	3.75	0.000	.0143359	.0474164
ime1	-.0000142	3.00e-06	-4.75	0.000	-.0000203	-8.23e-06
ime_miss	-.0452462	.003241	-13.96	0.000	-.0517529	-.0387396
_cons	.331739	.043097	7.70	0.000	.2452182	.4182599

(1) motoimm = 0

F(1, 51) = 0.00
 Prob > F = 0.9868

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.0514
 Root MSE = .28539

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0000138	.0004625	0.03	0.976	-.0009147	.0009424
male	.0013233	.0020872	0.63	0.529	-.0028669	.0055136
gendermiss_flag	-.3160673	.0156691	-20.17	0.000	-.3475244	-.2846102
tsd_age	-.0033435	.0003828	-8.73	0.000	-.004112	-.0025749
doage2	-.0000643	.0002452	-0.26	0.794	-.0005566	.000428
doage2miss_flag	-.1424023	.0080712	-17.64	0.000	-.158606	-.1261986
race_a	.0054971	.0134818	0.41	0.685	-.0215688	.0325629
race_b	.0159984	.0019232	8.32	0.000	.0121373	.0198595
race_h	-.0010257	.0061692	-0.17	0.869	-.0134109	.0113594
race_i	-.0018374	.0142703	-0.13	0.898	-.0304862	.0268115
race_o	.0033979	.0182155	0.19	0.853	-.0331713	.0399671
race_mis	-.0090608	.0066177	-1.37	0.177	-.0223464	.0042248
tsd_edu_hs	.0037221	.0024529	1.52	0.135	-.0012022	.0086465
tsd_edu_mrhs	.0326671	.0042313	7.72	0.000	.0241725	.0411617
tsd_edu_mis	.0070593	.0024487	2.88	0.006	.0021433	.0119752
tsd_mie_exp	.0130278	.0053047	2.46	0.017	.0023783	.0236774
tsd_mie_mis	-.0027598	.0024074	-1.15	0.257	-.0075929	.0020733
tsd_mie_psbl	.0120579	.0030784	3.92	0.000	.0058778	.018238
tsd_medicare	-.0319491	.003237	-9.87	0.000	-.0384477	-.0254505
tsd_medicare_miss	-.060833	.0093263	-6.52	0.000	-.0795563	-.0421098
tsd_depend_1	-.0061946	.00323	-1.92	0.061	-.012679	.0002899
tsd_depend_2	.0055085	.0025128	2.19	0.033	.0004638	.0105531
tsd_depend_miss	-.0506118	.005723	-8.84	0.000	-.0621013	-.0391224
tsd_vrpr	-.0853004	.0067309	-12.67	0.000	-.0988132	-.0717876
tsd_vrpr_miss	-.1448898	.0073044	-19.84	0.000	-.1595539	-.1302257
pdcgrou2	-.0256191	.0047373	-5.41	0.000	-.0351297	-.0161086
pdcgrou3	-.0139537	.0057745	-2.42	0.019	-.0255465	-.002361
pdcgrou4	-.0201562	.0047744	-4.22	0.000	-.0297412	-.0105713

pdgroup5	-.0254396	.0285722	-0.89	0.377	-.0828006	.0319215
cohort2000	-.0101759	.0050801	-2.00	0.050	-.0203746	.0000227
cohort2001	-.0125442	.0078089	-1.61	0.114	-.0282213	.0031329
cohort2002	-.0145099	.0115553	-1.26	0.215	-.0377082	.0086884
cohort2003	.0390432	.0240226	1.63	0.110	-.0091843	.0872707
cohort2004	.0406874	.0251686	1.62	0.112	-.0098407	.0912155
award_b4_tsd	.021301	.0114717	1.86	0.069	-.0017295	.0443315
diaward_tsd	-.0005139	.0003582	-1.43	0.158	-.0012331	.0002053
epeb4twp_flag	.1095567	.0632936	1.73	0.090	-.0175106	.236624
ldwb4twp_flag	.7239991	.1101673	6.57	0.000	.5028289	.9451692
ldwb4epe_flag	.3807528	.0395213	9.63	0.000	.3014106	.4600951
twpb4tsd	-.0847102	.0085395	-9.92	0.000	-.1018539	-.0675665
epeb4tsd	-.0763599	.0049565	-15.41	0.000	-.0863106	-.0664093
ldwb4tsd	-.0385028	.0040253	-9.57	0.000	-.0465839	-.0304217
st_AL	-.0053962	.0141769	-0.38	0.705	-.0338576	.0230651
st_AR	-.0290818	.0111399	-2.61	0.012	-.0514462	-.0067175
st_AZ	.0077214	.0108385	0.71	0.479	-.0140378	.0294807
st_CA	-.0124163	.0048787	-2.54	0.014	-.0222107	-.0026219
st_CO	-.0480766	.009434	-5.10	0.000	-.0670161	-.0291371
st_CT	-.0031748	.0128726	-0.25	0.806	-.0290175	.022668
st_DC	-.0262274	.0054256	-4.83	0.000	-.0371197	-.015335
st_DE	-.0121692	.0212098	-0.57	0.569	-.0547496	.0304113
st_FL	.0027517	.0139616	0.20	0.845	-.0252773	.0307807
st_GA	-.0340722	.0168805	-2.02	0.049	-.0679612	-.0001833
st_HI	-.1158939	.0226423	-5.12	0.000	-.1613502	-.0704377
st_IA	.0338913	.0194507	1.74	0.087	-.0051577	.0729403
st_ID	.0008874	.0147111	0.06	0.952	-.0286463	.030421
st_IL	-.0144268	.0059124	-2.44	0.018	-.0262964	-.0025571
st_IN	-.0232261	.0140619	-1.65	0.104	-.0514915	.0049694
st_KS	.0016056	.0128978	0.12	0.901	-.0242879	.0274991
st_KY	-.0359904	.0086639	-4.15	0.000	-.053384	-.0185969
st_LA	-.0163744	.008636	-1.90	0.064	-.033712	.0009631
st_MA	.056449	.011336	4.98	0.000	.0336912	.0792069
st_MD	.0113639	.0187611	0.61	0.547	-.0263005	.0490283
st_ME	-.1164597	.0152843	-7.62	0.000	-.1471442	-.0857753
st_MI	-.0256342	.0043777	-5.86	0.000	-.0344228	-.0168455
st_MN	-.0313242	.0170296	-1.84	0.072	-.0655124	.0028641
st_MO	-.0189763	.0127558	-1.49	0.143	-.0445846	.006632
st_MS	-.0354123	.0074911	-4.73	0.000	-.0504514	-.0203733
st_MT	-.0282674	.019587	-1.44	0.155	-.0675899	.0110552
st_NC	-.0044207	.0072826	-0.61	0.547	-.0190412	.0101998
st_ND	-.0291353	.0239604	-1.22	0.230	-.0772378	.0189671
st_NE	-.0612322	.0234321	-2.61	0.012	-.1082741	-.0141903
st_NH	.0322073	.0183844	1.75	0.086	-.004701	.0691155
st_NJ	-.0163181	.010295	-1.59	0.119	-.0369863	.0043501
st_NM	-.0170977	.0095499	-1.79	0.079	-.0362699	.0020746
st_NV	-.0054239	.0126231	-0.43	0.669	-.0307659	.0199181
st_NY	.0050667	.007989	0.63	0.529	-.0109719	.0211052
st_OH	-.0874112	.0090567	-9.65	0.000	-.1055933	-.069229
st_OK	.0496585	.0116981	4.24	0.000	.0261735	.0731434
st_OR	.0316254	.0032358	9.77	0.000	.0251292	.0381215
st_PA	-.0601636	.0119024	-5.05	0.000	-.0840587	-.0362684
st_PR	-.0693049	.0273752	-2.53	0.014	-.1242628	-.014347
st_RI	.1110406	.0118314	9.39	0.000	.087288	.1347932
st_SC	-.0732831	.0070605	-10.38	0.000	-.0874577	-.0591086
st_SD	-.0331931	.0243018	-1.37	0.178	-.0819811	.0155948
st_TN	-.0370693	.0122251	-3.03	0.004	-.0616122	-.0125264
st_TX	-.0245069	.0057719	-4.25	0.000	-.0360944	-.0129194
st_UT	-.0752333	.0123334	-6.10	0.000	-.0999936	-.050473
st_VA	-.0164599	.0206918	-0.80	0.430	-.0580003	.0250806
st_VT	.0249257	.0194719	1.28	0.206	-.0141658	.0640172
st_WA	.0062202	.002489	2.50	0.016	.0012234	.011217
st_WI	-.0099558	.0127894	-0.78	0.440	-.0356316	.01572

st_WV	.001201	.0104137	0.12	0.909	-.0197055	.0221074
st_WY	.1711669	.0207916	8.23	0.000	.1294261	.2129077
tsd_unemp_mean	-.0012285	.0057973	-0.21	0.833	-.0128671	.01041
tsd_unemp_cng	.0038313	.0032237	1.19	0.240	-.0026406	.0103032
pial	.0000435	.0000115	3.78	0.000	.0000204	.0000666
pia_miss	.031412	.0100406	3.13	0.003	.0112547	.0515693
ime1	-.0000161	3.12e-06	-5.15	0.000	-.0000223	-9.81e-06
ime_miss	-.0509756	.0043168	-11.81	0.000	-.059642	-.0423092
_cons	.4126436	.0528493	7.81	0.000	.3065442	.518743

(1) motoimm = 0

F(1, 51) = 0.00
 Prob > F = 0.9763

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.2926
 Root MSE = .13473

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0007014	.000277	-2.53	0.014	-.0012575	-.0001453
male	-.0006138	.0008482	-0.72	0.473	-.0023167	.0010891
gendermiss_flag	.576008	.0138708	41.53	0.000	.5481612	.6038548
tsd_age	-.0002981	.000165	-1.81	0.077	-.0006293	.0000331
doage2	-1.68e-06	.0000971	-0.02	0.986	-.0001967	.0001933
doage2miss_flag	-.0131463	.0043964	-2.99	0.004	-.0219725	-.0043201
race_a	.0106019	.0055771	1.90	0.063	-.0005947	.0217985
race_b	.0005567	.0009334	0.60	0.554	-.0013172	.0024307
race_h	-.0025885	.0038737	-0.67	0.507	-.0103652	.0051882
race_i	.0011565	.0063361	0.18	0.856	-.0115638	.0138768
race_o	.0131806	.0101577	1.30	0.200	-.0072119	.0335731
race_mis	.0027266	.0048259	0.56	0.575	-.0069618	.012415
tsd_edu_hs	.0018673	.001152	1.62	0.111	-.0004454	.00418
tsd_edu_mrhs	.0041143	.0012344	3.33	0.002	.0016361	.0065924
tsd_edu_mis	.0038815	.0008413	4.61	0.000	.0021925	.0055706
tsd_mie_exp	.0020079	.0024891	0.81	0.424	-.0029892	.0070051
tsd_mie_mis	.0008161	.001268	0.64	0.523	-.0017295	.0033617
tsd_mie_psbl	.0014626	.0009185	1.59	0.117	-.0003814	.0033065
tsd_medicare	-.0008713	.0013079	-0.67	0.508	-.0034969	.0017543
tsd_medicare_miss	-.0034789	.0033068	-1.05	0.298	-.0101177	.0031598
tsd_depend_1	-.0034172	.0013116	-2.61	0.012	-.0060504	-.000784
tsd_depend_2	-.0022423	.0014394	-1.56	0.125	-.005132	.0006474
tsd_depend_miss	.0003909	.004214	0.09	0.926	-.0080691	.008851
tsd_vrpr	-.3855709	.017163	-22.47	0.000	-.4200271	-.3511147
tsd_vrpr_miss	-.4065626	.0149335	-27.22	0.000	-.4365428	-.3765824
pdcgrou2	-.0033864	.0024097	-1.41	0.166	-.008224	.0014512
pdcgrou3	-.0010517	.0017141	-0.61	0.542	-.004493	.0023895
pdcgrou4	-.0007327	.0017844	-0.41	0.683	-.004315	.0028496
pdcgrou5	-.0038615	.012644	-0.31	0.761	-.0292455	.0215224
cohort2000	.0005015	.0023082	0.22	0.829	-.0041325	.0051355
cohort2001	.003931	.0034677	1.13	0.262	-.0030308	.0108928
cohort2002	.003868	.0052561	0.74	0.465	-.006684	.01442

cohort2003	-.0093228	.0074108	-1.26	0.214	-.0242006	.005555
cohort2004	-.0361912	.0080566	-4.49	0.000	-.0523654	-.020017
award_b4_tsd	.0083686	.0043053	1.94	0.057	-.0002746	.0170118
diaward_tsd	.0000545	.0001366	0.40	0.692	-.0002198	.0003287
epeb4twp_flag	-.0915406	.0482365	-1.90	0.063	-.1883794	.0052982
ldwb4twp_flag	.0862416	.0430975	2.00	0.051	-.0002804	.1727635
ldwb4epe_flag	.0146732	.0140856	1.04	0.302	-.0136047	.0429511
twpb4tsd	.0044058	.0013668	3.22	0.002	.0016619	.0071497
epeb4tsd	-.0008291	.0034201	-0.24	0.809	-.0076952	.006037
ldwb4tsd	-.0006867	.0048804	-0.14	0.889	-.0104845	.0091111
st_AL	.0195376	.0073537	2.66	0.011	.0047745	.0343007
st_AR	.0123797	.0064528	1.92	0.061	-.0005747	.0253342
st_AZ	.0110575	.0060554	1.83	0.074	-.0010993	.0232143
st_CA	.0287216	.002563	11.21	0.000	.0235761	.033867
st_CO	.0114705	.0056052	2.05	0.046	.0002176	.0227233
st_CT	.0149502	.0074635	2.00	0.050	-.0000334	.0299338
st_DC	-.0014311	.0022678	-0.63	0.531	-.0059838	.0031217
st_DE	-.0000206	.011521	-0.00	0.999	-.0231499	.0231088
st_FL	.0025353	.0075986	0.33	0.740	-.0127195	.01779
st_GA	.0122047	.0091182	1.34	0.187	-.0061009	.0305102
st_HI	.0017434	.0127509	0.14	0.892	-.0238551	.0273419
st_IA	.0199309	.011504	1.73	0.089	-.0031643	.0430261
st_ID	.0033339	.0085645	0.39	0.699	-.0138601	.0205279
st_IL	.0038798	.0030582	1.27	0.210	-.0022597	.0100194
st_IN	.0098613	.0078349	1.26	0.214	-.005868	.0255906
st_KS	.0057499	.007226	0.80	0.430	-.0087569	.0202567
st_KY	.0042604	.0048884	0.87	0.388	-.0055535	.0140744
st_LA	.0163576	.0046398	3.53	0.001	.0070428	.0256725
st_MA	.0034067	.0061638	0.55	0.583	-.0089676	.0157809
st_MD	.0193904	.0102964	1.88	0.065	-.0012806	.0400614
st_ME	.0020216	.0096997	0.21	0.836	-.0174514	.0214945
st_MI	.0131772	.0024314	5.42	0.000	.0082959	.0180585
st_MN	.0154893	.0090181	1.72	0.092	-.0026153	.0335939
st_MO	.0128782	.007091	1.82	0.075	-.0013575	.027114
st_MS	.0098887	.0037866	2.61	0.012	.0022867	.0174907
st_MT	.0036345	.0112379	0.32	0.748	-.0189264	.0261955
st_NC	.0024613	.003909	0.63	0.532	-.0053863	.010309
st_ND	.0114737	.0135525	0.85	0.401	-.0157339	.0386814
st_NE	-.0933468	.011334	-8.24	0.000	-.1161007	-.070593
st_NH	.0089715	.010438	0.86	0.394	-.0119836	.0299267
st_NJ	.0067689	.005831	1.16	0.251	-.0049372	.018475
st_NM	.0068456	.0061605	1.11	0.272	-.0055221	.0192133
st_NV	.0108743	.0070346	1.55	0.128	-.0032483	.0249968
st_NY	.0124185	.0043604	2.85	0.006	.0036646	.0211724
st_OH	.0000821	.0047875	0.02	0.986	-.0095292	.0096934
st_OK	.038035	.0070517	5.39	0.000	.0238782	.0521919
st_OR	.012497	.0021141	5.91	0.000	.0082527	.0167413
st_PA	-.0087426	.0063707	-1.37	0.176	-.0215324	.0040471
st_PR	-.029993	.0149989	-2.00	0.051	-.0601046	.0001186
st_RI	-.0032414	.0086937	-0.37	0.711	-.0206948	.014212
st_SC	-.0053196	.0036253	-1.47	0.148	-.0125976	.0019584
st_SD	.0216379	.014	1.55	0.128	-.0064682	.0497441
st_TN	.0161426	.0070226	2.30	0.026	.0020442	.030241
st_TX	.0286375	.0032035	8.94	0.000	.0222063	.0350688
st_UT	.0015059	.0081157	0.19	0.854	-.0147871	.0177988
st_VA	.0125037	.0114546	1.09	0.280	-.0104923	.0354997
st_VT	.0195556	.0107949	1.81	0.076	-.002116	.0412272
st_WA	.0069164	.0014516	4.76	0.000	.0040022	.0098305
st_WI	.016373	.0065128	2.51	0.015	.0032981	.0294479
st_WV	-.0126357	.0051536	-2.45	0.018	-.022982	-.0022895
st_WY	.5324125	.0097586	54.56	0.000	.5128213	.5520037
tsd_unemp_mean	-.0003134	.0032495	-0.10	0.924	-.0068369	.0062102
tsd_unemp_cng	.0008455	.0023574	0.36	0.721	-.0038871	.0055781

pial	8.44e-06	4.56e-06	1.85	0.070	-7.03e-07	.0000176
pia_miss	.002218	.005725	0.39	0.700	-.0092753	.0137114
ime1	-9.69e-07	1.38e-06	-0.70	0.487	-3.75e-06	1.81e-06
ime_miss	-.0043063	.0015563	-2.77	0.008	-.0074307	-.001182
_cons	.4073711	.0200384	20.33	0.000	.3671424	.4475997

(1) motoimm = 0

F(1, 51) = 6.41
 Prob > F = 0.0145

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.4542
 Root MSE = .1525

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0007014	.0002932	-2.39	0.020	-.0012899	-.0001128
male	-.00054	.0008893	-0.61	0.546	-.0023254	.0012454
gendermiss_flag	.3311017	.0129242	25.62	0.000	.3051553	.3570481
tsd_age	-.0008259	.0001854	-4.46	0.000	-.001198	-.0004538
doage2	.0000199	.0001639	0.12	0.904	-.000309	.0003489
doage2miss_flag	-.0377838	.0035464	-10.65	0.000	-.0449035	-.0306641
race_a	.0046572	.0047878	0.97	0.335	-.0049547	.0142691
race_b	.0008408	.0013296	0.63	0.530	-.0018284	.0035101
race_h	-.0027979	.0038118	-0.73	0.466	-.0104503	.0048546
race_i	-.0041777	.0067322	-0.62	0.538	-.0176932	.0093378
race_o	.0122258	.011368	1.08	0.287	-.0105963	.0350479
race_mis	.0067744	.0049234	1.38	0.175	-.0031098	.0166585
tsd_edu_hs	.0040247	.0013079	3.08	0.003	.001399	.0066504
tsd_edu_mrhs	.0096684	.0021445	4.51	0.000	.0053632	.0139737
tsd_edu_mis	.0062231	.0014007	4.44	0.000	.0034111	.0090351
tsd_mie_exp	-.0043647	.0039972	-1.09	0.280	-.0123895	.00366
tsd_mie_mis	-.0029235	.001889	-1.55	0.128	-.0067158	.0008689
tsd_mie_psbl	-.0020806	.0016401	-1.27	0.210	-.0053732	.0012119
tsd_medicare	-.0027555	.0015223	-1.81	0.076	-.0058116	.0003006
tsd_medicare_miss	-.0025097	.0041596	-0.60	0.549	-.0108606	.0058411
tsd_depend_1	-.0027588	.0013161	-2.10	0.041	-.0054009	-.0001166
tsd_depend_2	-.0016398	.0013249	-1.24	0.222	-.0042998	.0010201
tsd_depend_miss	-.0027882	.0049672	-0.56	0.577	-.0127602	.0071839
tsd_vrpr	-.6161229	.0149315	-41.26	0.000	-.6460991	-.5861466
tsd_vrpr_miss	-.6529094	.01162	-56.19	0.000	-.6762374	-.6295813
pdcgrou2	-.0026018	.0025777	-1.01	0.318	-.0077766	.0025731
pdcgrou3	-.0023194	.002136	-1.09	0.283	-.0066076	.0019687
pdcgrou4	.0005886	.0020119	0.29	0.771	-.0034504	.0046276
pdcgrou5	-.0127861	.009885	-1.29	0.202	-.0326312	.0070589
cohort2000	-.0025677	.0020651	-1.24	0.219	-.0067136	.0015782
cohort2001	-.0044517	.0037551	-1.19	0.241	-.0119904	.0030871
cohort2002	-.0070243	.005426	-1.29	0.201	-.0179174	.0038688
cohort2003	-.0106118	.0097265	-1.09	0.280	-.0301387	.008915
cohort2004	-.0518031	.01038	-4.99	0.000	-.0726418	-.0309644
award_b4_tsd	.0004656	.0039913	0.12	0.908	-.0075474	.0084786
diaward_tsd	-.0002051	.0001676	-1.22	0.227	-.0005415	.0001314

epeb4twp_flag	-.1487851	.0755999	-1.97	0.055	-.3005583	.002988
ldwb4twp_flag	.12572	.0799	1.57	0.122	-.0346859	.286126
ldwb4epe_flag	.0283142	.0232702	1.22	0.229	-.0184027	.0750311
twpb4tsd	.0066822	.0026365	2.53	0.014	.0013892	.0119753
epeb4tsd	-.0033505	.0032177	-1.04	0.303	-.0098102	.0031092
ldwb4tsd	-.0070666	.0054429	-1.30	0.200	-.0179938	.0038605
st_AL	.0034852	.0076702	0.45	0.651	-.0119134	.0188838
st_AR	-.0101826	.0067031	-1.52	0.135	-.0236396	.0032744
st_AZ	-.0096029	.0059393	-1.62	0.112	-.0215265	.0023207
st_CA	.0251096	.0024347	10.31	0.000	.0202218	.0299974
st_CO	.0107667	.0054352	1.98	0.053	-.0001449	.0216783
st_CT	-.0070091	.0077463	-0.90	0.370	-.0225604	.0085422
st_DC	-.0167825	.0024622	-6.82	0.000	-.0217256	-.0118394
st_DE	-.0144654	.0118413	-1.22	0.227	-.0382377	.009307
st_FL	.0006577	.0077741	0.08	0.933	-.0149495	.0162649
st_GA	-.0146379	.009673	-1.51	0.136	-.0340572	.0047815
st_HI	-.0348046	.013449	-2.59	0.013	-.0618046	-.0078046
st_IA	.0046558	.0117095	0.40	0.693	-.0188521	.0281637
st_ID	-.0281785	.0089172	-3.16	0.003	-.0460805	-.0102766
st_IL	-.0078607	.0028743	-2.73	0.009	-.0136312	-.0020903
st_IN	-.014458	.0081966	-1.76	0.084	-.0309133	.0019973
st_KS	-.0097942	.0074659	-1.31	0.195	-.0247827	.0051942
st_KY	-.0131389	.0050547	-2.60	0.012	-.0232866	-.0029912
st_LA	-.0004797	.0047464	-0.10	0.920	-.0100085	.009049
st_MA	-.0194331	.0060188	-3.23	0.002	-.0315164	-.0073498
st_MD	-.0039703	.0108311	-0.37	0.715	-.0257146	.0177739
st_ME	-.0321265	.0100536	-3.20	0.002	-.05231	-.011943
st_MI	.0020174	.0025253	0.80	0.428	-.0030523	.0070871
st_MN	-.0155186	.0093332	-1.66	0.103	-.0342556	.0032185
st_MO	-.0098739	.0073896	-1.34	0.187	-.0247091	.0049613
st_MS	-.0079907	.0037981	-2.10	0.040	-.0156157	-.0003658
st_MT	-.0211951	.0116345	-1.82	0.074	-.0445524	.0021622
st_NC	-.024339	.0040667	-5.98	0.000	-.0325033	-.0161747
st_ND	-.0382465	.014075	-2.72	0.009	-.0665031	-.0099898
st_NE	.0298943	.0118535	2.52	0.015	.0060973	.0536912
st_NH	-.0231234	.0109008	-2.12	0.039	-.0450077	-.0012391
st_NJ	-.0148557	.0058872	-2.52	0.015	-.0266747	-.0030366
st_NM	-.0181102	.0061488	-2.95	0.005	-.0304543	-.005766
st_NV	-.015049	.0071601	-2.10	0.041	-.0294234	-.0006746
st_NY	.0031752	.0042787	0.74	0.461	-.0054146	.011765
st_OH	-.0112477	.0051274	-2.19	0.033	-.0215414	-.0009541
st_OK	.0271765	.0072287	3.76	0.000	.0126644	.0416887
st_OR	-.012208	.0027653	-4.41	0.000	-.0177595	-.0066565
st_PA	-.0516504	.0067496	-7.65	0.000	-.0652007	-.0381001
st_PR	-.0491403	.0156305	-3.14	0.003	-.0805199	-.0177607
st_RI	-.0359058	.0084783	-4.24	0.000	-.0529266	-.018885
st_SC	-.0101837	.0034319	-2.97	0.005	-.0170735	-.0032938
st_SD	.0091688	.0144846	0.63	0.530	-.0199103	.0382479
st_TN	-.0011147	.0072945	-0.15	0.879	-.015759	.0135296
st_TX	.0059547	.0032111	1.85	0.069	-.0004918	.0124012
st_UT	-.0297247	.0086816	-3.42	0.001	-.0471538	-.0122956
st_VA	-.0165899	.0119819	-1.38	0.172	-.0406447	.0074648
st_VT	-.0260183	.0106341	-2.45	0.018	-.0473672	-.0046695
st_WA	.0017459	.0010951	1.59	0.117	-.0004525	.0039444
st_WI	-.0056318	.006453	-0.87	0.387	-.0185868	.0073232
st_WV	-.0497935	.0055359	-8.99	0.000	-.0609073	-.0386797
st_WY	.4136829	.0101054	40.94	0.000	.3933954	.4339703
tsd_unemp_mean	-.0061892	.0034419	-1.80	0.078	-.0130991	.0007207
tsd_unemp_cng	-.0035051	.0021796	-1.61	0.114	-.0078808	.0008705
pia1	6.08e-06	5.82e-06	1.04	0.301	-5.61e-06	.0000178
pia_miss	-.0001032	.007111	-0.01	0.988	-.0143792	.0141727
ime1	-9.34e-07	1.69e-06	-0.55	0.583	-4.32e-06	2.46e-06
ime_miss	-.0023687	.0024082	-0.98	0.330	-.0072033	.002466

_cons | .7427979 .0232264 31.98 0.000 .6961689 .7894269

(1) motoimm = 0

F(1, 51) = 5.72
 Prob > F = 0.0205

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.5668
 Root MSE = .15397

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0003236	.0003098	-1.04	0.301	-.0009457	.0002984
male	.0005672	.0007521	0.75	0.454	-.0009427	.0020772
gendermiss_flag	.1508332	.010597	14.23	0.000	.1295588	.1721075
tsd_age	-.0009031	.0001889	-4.78	0.000	-.0012823	-.000524
doage2	-.0000226	.0001194	-0.19	0.850	-.0002622	.000217
doage2miss_flag	-.0501832	.003794	-13.23	0.000	-.0577999	-.0425664
race_a	.0017599	.0047014	0.37	0.710	-.0076786	.0111984
race_b	.0008252	.0012631	0.65	0.517	-.0017107	.0033611
race_h	-.0030884	.0038391	-0.80	0.425	-.0107957	.004619
race_i	-.0057071	.0055712	-1.02	0.310	-.0168917	.0054775
race_o	.0065384	.0113473	0.58	0.567	-.0162422	.0293189
race_mis	.0046756	.0051351	0.91	0.367	-.0056335	.0149847
tsd_edu_hs	.0066433	.0015644	4.25	0.000	.0035026	.009784
tsd_edu_mrhs	.0129972	.0024656	5.27	0.000	.0080473	.0179471
tsd_edu_mis	.0077958	.0016331	4.77	0.000	.0045172	.0110744
tsd_mie_exp	-.0067905	.0040779	-1.67	0.102	-.0149772	.0013962
tsd_mie_mis	-.0033304	.0018623	-1.79	0.080	-.0070691	.0004082
tsd_mie_psbl	-.0043455	.0015335	-2.83	0.007	-.0074242	-.0012668
tsd_medicare	-.0041865	.0016525	-2.53	0.014	-.0075041	-.0008689
tsd_medicare_miss	-.0031443	.0047187	-0.67	0.508	-.0126175	.0063288
tsd_depend_1	-.0040893	.0013677	-2.99	0.004	-.0068351	-.0013435
tsd_depend_2	-.002481	.0016288	-1.52	0.134	-.0057509	.0007889
tsd_depend_miss	-.0138822	.00536	-2.59	0.012	-.0246429	-.0031214
tsd_vrpr	-.7776151	.0140699	-55.27	0.000	-.8058615	-.7493686
tsd_vrpr_miss	-.8263835	.0090411	-91.40	0.000	-.8445342	-.8082328
pdcgrou2	-.0035763	.0021337	-1.68	0.100	-.00786	.0007074
pdcgrou3	-.0001433	.0020757	-0.07	0.945	-.0043105	.0040239
pdcgrou4	.0032262	.0019029	1.70	0.096	-.0005941	.0070465
pdcgrou5	-.0296016	.0096644	-3.06	0.003	-.0490037	-.0101995
cohort2000	-.0000382	.0018921	-0.02	0.984	-.0038367	.0037602
cohort2001	-.0014563	.0038772	-0.38	0.709	-.0092402	.0063276
cohort2002	-.002571	.0052167	-0.49	0.624	-.013044	.0079021
cohort2003	-.0018504	.0107806	-0.17	0.864	-.0234933	.0197925
cohort2004	-.0403673	.0140743	-2.87	0.006	-.0686226	-.0121121
award_b4_tsd	.002343	.0056661	0.41	0.681	-.0090321	.0137182
diaward_tsd	-.0002019	.0001264	-1.60	0.116	-.0004557	.0000519
epeb4twp_flag	-.1746658	.0849529	-2.06	0.045	-.3452159	-.0041157
ldwb4twp_flag	.1072638	.0723303	1.48	0.144	-.0379454	.252473
ldwb4epe_flag	.046635	.0266174	1.75	0.086	-.0068017	.1000716
twpb4tsd	.0040019	.0026975	1.48	0.144	-.0014134	.0094173

epeb4tsd	.0038201	.0034589	1.10	0.275	-.003124	.0107642
ldwb4tsd	-.0116226	.0044619	-2.60	0.012	-.0205801	-.002665
st_AL	.0059244	.0087908	0.67	0.503	-.0117238	.0235726
st_AR	-.0070439	.0074799	-0.94	0.351	-.0220605	.0079727
st_AZ	-.0013248	.0067805	-0.20	0.846	-.0149373	.0122877
st_CA	.0108479	.0029358	3.70	0.001	.004954	.0167418
st_CO	.0249655	.0062241	4.01	0.000	.01247	.0374609
st_CT	-.0011209	.0087027	-0.13	0.898	-.0185923	.0163505
st_DC	-.0159709	.0029166	-5.48	0.000	-.0218261	-.0101157
st_DE	-.0179744	.0135228	-1.33	0.190	-.0451224	.0091737
st_FL	.0105476	.008828	1.19	0.238	-.0071753	.0282705
st_GA	-.0080128	.010915	-0.73	0.466	-.0299257	.0139
st_HI	-.0295211	.0148906	-1.98	0.053	-.0594152	.000373
st_IA	.0271907	.013008	2.09	0.042	.001076	.0533054
st_ID	-.0262868	.0094057	-2.79	0.007	-.0451695	-.007404
st_IL	.0034379	.0034827	0.99	0.328	-.0035539	.0104298
st_IN	-.010555	.0092138	-1.15	0.257	-.0290524	.0079424
st_KS	-.0035964	.008414	-0.43	0.671	-.0204881	.0132954
st_KY	-.0107909	.0056605	-1.91	0.062	-.0221548	.000573
st_LA	.003729	.0054398	0.69	0.496	-.0071919	.0146499
st_MA	-.0008328	.0070341	-0.12	0.906	-.0149543	.0132887
st_MD	-.0175256	.0121868	-1.44	0.157	-.0419917	.0069404
st_ME	-.0342727	.0110275	-3.11	0.003	-.0564114	-.012134
st_MI	.0052712	.0028748	1.83	0.073	-.0005003	.0110426
st_MN	-.0028198	.0106636	-0.26	0.793	-.0242277	.0185882
st_MO	.0014177	.0083284	0.17	0.866	-.0153022	.0181376
st_MS	-.0053645	.0043888	-1.22	0.227	-.0141753	.0034464
st_MT	-.0135042	.0131164	-1.03	0.308	-.0398365	.0128281
st_NC	-.0256044	.0045712	-5.60	0.000	-.0347815	-.0164272
st_ND	-.0303404	.0158868	-1.91	0.062	-.0622346	.0015538
st_NE	-.0094469	.0140106	-0.67	0.503	-.0375744	.0186805
st_NH	-.0216865	.0123068	-1.76	0.084	-.0463934	.0030204
st_NJ	-.0150254	.0067719	-2.22	0.031	-.0286205	-.0014304
st_NM	-.0197223	.0067953	-2.90	0.005	-.0333646	-.0060801
st_NV	-.0137276	.0081938	-1.68	0.100	-.0301774	.0027222
st_NY	.0082772	.0049921	1.66	0.103	-.0017449	.0182992
st_OH	-.0176326	.0058017	-3.04	0.004	-.0292801	-.0059852
st_OK	.0440345	.00806	5.46	0.000	.0278533	.0602156
st_OR	-.0067232	.0030992	-2.17	0.035	-.0129451	-.0005014
st_PA	-.0502237	.0074755	-6.72	0.000	-.0652314	-.0352161
st_PR	-.0874061	.0176539	-4.95	0.000	-.1228477	-.0519645
st_RI	-.0341684	.0093944	-3.64	0.001	-.0530284	-.0153084
st_SC	.0019141	.0041408	0.46	0.646	-.0063988	.0102271
st_SD	.0364575	.0162727	2.24	0.029	.0037886	.0691264
st_TN	.006645	.0081536	0.81	0.419	-.009724	.0230139
st_TX	.0073018	.0035933	2.03	0.047	.000088	.0145156
st_UT	-.0326726	.0095849	-3.41	0.001	-.0519152	-.0134301
st_VA	-.0100778	.0135552	-0.74	0.461	-.0372909	.0171354
st_VT	-.0309691	.0122389	-2.53	0.015	-.0555398	-.0063984
st_WA	-.0139756	.0013186	-10.60	0.000	-.0166229	-.0113284
st_WI	.0285257	.0076142	3.75	0.000	.0132397	.0438118
st_WV	-.0585344	.0061968	-9.45	0.000	-.070975	-.0460938
st_WY	.3550283	.0120312	29.51	0.000	.3308746	.379182
tsd_unemp_mean	-.0038286	.0038699	-0.99	0.327	-.0115978	.0039406
tsd_unemp_cng	-.0022618	.0021142	-1.07	0.290	-.0065061	.0019826
pial	-5.02e-07	6.63e-06	-0.08	0.940	-.0000138	.0000128
pia_miss	.009794	.0085568	1.14	0.258	-.0073845	.0269725
imel	-2.66e-08	1.96e-06	-0.01	0.989	-3.96e-06	3.90e-06
ime_miss	-.0019545	.0027534	-0.71	0.481	-.0074822	.0035731
_cons	.9009707	.0285872	31.52	0.000	.8435795	.9583618

(1) motoimm = 0

F(1, 51) = 1.09
 Prob > F = 0.3012

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.6216
 Root MSE = .15474

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0004883	.0003214	-1.52	0.135	-.0011336	.0001569
male	-.0002289	.0009253	-0.25	0.806	-.0020866	.0016288
gendermiss_flag	.0442342	.0084889	5.21	0.000	.0271919	.0612764
tsd_age	-.0008417	.0002439	-3.45	0.001	-.0013313	-.0003521
doage2	-.0001431	.0001635	-0.88	0.385	-.0004713	.0001851
doage2miss_flag	-.0627939	.0034427	-18.24	0.000	-.0697053	-.0558825
race_a	-.0030919	.0058061	-0.53	0.597	-.0147481	.0085642
race_b	.0010993	.0011686	0.94	0.351	-.0012466	.0034453
race_h	-.0012066	.002764	-0.44	0.664	-.0067556	.0043424
race_i	.007671	.0073433	1.04	0.301	-.0070712	.0224132
race_o	-.0013125	.0106223	-0.12	0.902	-.0226377	.0200126
race_mis	.0016364	.0062568	0.26	0.795	-.0109246	.0141975
tsd_edu_hs	.0078912	.0015186	5.20	0.000	.0048425	.0109399
tsd_edu_mrhs	.0158135	.0024203	6.53	0.000	.0109546	.0206725
tsd_edu_mis	.0079576	.0011808	6.74	0.000	.0055871	.0103281
tsd_mie_exp	-.0077663	.0040275	-1.93	0.059	-.0158518	.0003193
tsd_mie_mis	-.003981	.0023104	-1.72	0.091	-.0086194	.0006574
tsd_mie_psbl	-.0059639	.002055	-2.90	0.005	-.0100895	-.0018383
tsd_medicare	-.0060434	.001637	-3.69	0.001	-.0093298	-.0027569
tsd_medicare_miss	-.0072974	.0039457	-1.85	0.070	-.0152187	.0006239
tsd_depend_1	-.0040516	.0010017	-4.04	0.000	-.0060626	-.0020405
tsd_depend_2	-.0023774	.0008139	-2.92	0.005	-.0040114	-.0007433
tsd_depend_miss	-.0151005	.0048355	-3.12	0.003	-.0248082	-.0053929
tsd_vrpr	-.8710144	.0103854	-83.87	0.000	-.8918641	-.8501648
tsd_vrpr_miss	-.9304678	.0053089	-175.27	0.000	-.9411258	-.9198098
pdcgrou2	-.0032853	.0020786	-1.58	0.120	-.0074583	.0008877
pdcgrou3	-.0019476	.002289	-0.85	0.399	-.0065429	.0026477
pdcgrou4	.0011088	.0014743	0.75	0.455	-.001851	.0040686
pdcgrou5	-.04022	.0104554	-3.85	0.000	-.0612101	-.01923
cohort2000	.003381	.0022179	1.52	0.134	-.0010716	.0078337
cohort2001	.0022155	.0039412	0.56	0.576	-.0056969	.0101278
cohort2002	.0033217	.0056912	0.58	0.562	-.0081039	.0147473
cohort2003	.0072576	.0091315	0.79	0.430	-.0110746	.0255897
cohort2004	-.0349375	.0119008	-2.94	0.005	-.0588293	-.0110457
award_b4_tsd	-.0000827	.0061513	-0.01	0.989	-.012432	.0122665
diaward_tsd	-.0001322	.0001385	-0.95	0.344	-.0004102	.0001458
epeb4twp_flag	-.0644299	.0320642	-2.01	0.050	-.1288016	-.0000582
ldwb4twp_flag	.0643361	.0616833	1.04	0.302	-.0594982	.1881705
ldwb4epe_flag	.0469682	.0265366	1.77	0.083	-.0063063	.1002426
twpb4tsd	.0015822	.0018428	0.86	0.395	-.0021175	.0052818
epeb4tsd	.00577	.0037436	1.54	0.129	-.0017457	.0132857
ldwb4tsd	-.0137577	.0035957	-3.83	0.000	-.0209763	-.006539
st_AL	.0170246	.0080061	2.13	0.038	.0009517	.0330975
st_AR	-.0021556	.0066403	-0.32	0.747	-.0154866	.0111754

st_AZ	.0038535	.006016	0.64	0.525	-.0082242	.0159312
st_CA	.0077128	.0025707	3.00	0.004	.0025519	.0128737
st_CO	.0342124	.0055187	6.20	0.000	.0231332	.0452916
st_CT	.0052213	.007892	0.66	0.511	-.0106225	.0210651
st_DC	-.0139542	.002458	-5.68	0.000	-.0188889	-.0090195
st_DE	.0005366	.012466	0.04	0.966	-.0244899	.025563
st_FL	.020677	.0077668	2.66	0.010	.0050846	.0362695
st_GA	-.0000631	.0098315	-0.01	0.995	-.0198007	.0196745
st_HI	-.0218874	.0135401	-1.62	0.112	-.0490703	.0052955
st_IA	.0302902	.0123392	2.45	0.018	.0055183	.0550621
st_ID	-.0251301	.0086109	-2.92	0.005	-.0424173	-.0078429
st_IL	.0226626	.00303	7.48	0.000	.0165797	.0287455
st_IN	-.002667	.0084851	-0.31	0.755	-.0197015	.0143675
st_KS	.0037399	.0078417	0.48	0.635	-.012003	.0194828
st_KY	-.0045772	.004876	-0.94	0.352	-.0143661	.0052118
st_LA	.0109326	.0046289	2.36	0.022	.0016397	.0202254
st_MA	.0084039	.0061755	1.36	0.180	-.0039939	.0208016
st_MD	-.022019	.0113712	-1.94	0.058	-.0448477	.0008097
st_ME	-.0332066	.0101745	-3.26	0.002	-.0536328	-.0127804
st_MI	.0132908	.0024059	5.52	0.000	.0084608	.0181209
st_MN	.0216841	.0101161	2.14	0.037	.0013752	.041993
st_MO	.00975	.007648	1.27	0.208	-.0056041	.025104
st_MS	-.0013406	.0035703	-0.38	0.709	-.0085083	.0058271
st_MT	-.0096606	.0125224	-0.77	0.444	-.0348003	.0154792
st_NC	-.0189795	.0038442	-4.94	0.000	-.0266971	-.0112619
st_ND	-.0314516	.0154958	-2.03	0.048	-.0625608	-.0003424
st_NE	-.0295318	.0142411	-2.07	0.043	-.0581221	-.0009415
st_NH	-.0153393	.0113549	-1.35	0.183	-.0381352	.0074566
st_NJ	-.0141116	.0059472	-2.37	0.021	-.0260511	-.0021721
st_NM	-.0152251	.0065072	-2.34	0.023	-.0282889	-.0021613
st_NV	-.0033532	.0073337	-0.46	0.649	-.0180762	.0113698
st_NY	.0159724	.0042634	3.75	0.000	.0074133	.0245315
st_OH	-.0271489	.005209	-5.21	0.000	-.0376065	-.0166913
st_OK	.0546466	.00728	7.51	0.000	.0400313	.0692619
st_OR	.0051809	.0037695	1.37	0.175	-.0023867	.0127485
st_PA	-.0537629	.0067328	-7.99	0.000	-.0672796	-.0402463
st_PR	-.1111382	.0185829	-5.98	0.000	-.148445	-.0738315
st_RI	-.0326902	.0095936	-3.41	0.001	-.0519501	-.0134303
st_SC	.0070266	.0033951	2.07	0.044	.0002105	.0138426
st_SD	.043702	.0158579	2.76	0.008	.0118659	.0755382
st_TN	.0150106	.0072806	2.06	0.044	.0003942	.029627
st_TX	.0079034	.0030615	2.58	0.013	.0017572	.0140497
st_UT	-.0325963	.0087717	-3.72	0.001	-.0502062	-.0149865
st_VA	.0032412	.0125087	0.26	0.797	-.0218711	.0283536
st_VT	.1112954	.0113959	9.77	0.000	.0884171	.1341737
st_WA	-.0231205	.0013058	-17.71	0.000	-.0257421	-.0204989
st_WI	.057145	.0069598	8.21	0.000	.0431727	.0711173
st_WV	-.0611595	.0054058	-11.31	0.000	-.0720122	-.0503068
st_WY	.3228665	.0118158	27.32	0.000	.2991453	.3465877
tsd_unemp_mean	-.0016606	.0038254	-0.43	0.666	-.0093403	.0060192
tsd_unemp_cng	-.0036206	.0019974	-1.81	0.076	-.0076306	.0003894
pial	-9.89e-06	6.63e-06	-1.49	0.142	-.0000232	3.43e-06
pia_miss	.000951	.0057609	0.17	0.870	-.0106145	.0125165
ime1	2.23e-06	1.85e-06	1.20	0.234	-1.49e-06	5.94e-06
ime_miss	.0028288	.0028162	1.00	0.320	-.0028251	.0084826
_cons	.9923288	.0292119	33.97	0.000	.9336835	1.050974

(1) motoimm = 0

F(1, 51) = 2.31
 Prob > F = 0.1348

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.4127
 Root MSE = 1.0158

(Std. Err. adjusted for 52 clusters in tsd_state)

nstwl2	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0030137	.0017557	1.72	0.092	-.000511	.0065384
male	.0165701	.0066445	2.49	0.016	.0032306	.0299095
gendermiss_flag	.0485328	.0214246	2.27	0.028	.005521	.0915445
tsd_age	-.0054918	.0008728	-6.29	0.000	-.0072441	-.0037395
doage2	.0019046	.0006799	2.80	0.007	.0005396	.0032697
doage2miss_flag	.0389843	.0238966	1.63	0.109	-.0089902	.0869587
race_a	-.0109456	.0443895	-0.25	0.806	-.1000614	.0781701
race_b	.029106	.0099457	2.93	0.005	.0091392	.0490728
race_h	.0583449	.031882	1.83	0.073	-.0056608	.1223507
race_i	.0492623	.0621695	0.79	0.432	-.0755482	.1740729
race_o	-.026565	.0803601	-0.33	0.742	-.1878947	.1347646
race_mis	-.0349325	.0238122	-1.47	0.149	-.0827376	.0128725
tsd_edu_hs	.0275727	.0078147	3.53	0.001	.0118841	.0432613
tsd_edu_mrhs	.0684158	.0112206	6.10	0.000	.0458895	.0909421
tsd_edu_mis	.0276163	.0100868	2.74	0.008	.0073662	.0478663
tsd_mie_exp	.0278055	.0229988	1.21	0.232	-.0183665	.0739775
tsd_mie_mis	.0227598	.014157	1.61	0.114	-.0056616	.0511812
tsd_mie_psbl	.0008552	.0085003	0.10	0.920	-.01621	.0179203
tsd_medicare	-.0527083	.0164741	-3.20	0.002	-.0857815	-.0196351
tsd_medicare_miss	-.033295	.019215	-1.73	0.089	-.0718709	.0052808
tsd_depend_1	-.0196673	.009209	-2.14	0.038	-.0381551	-.0011795
tsd_depend_2	-.0255688	.0109433	-2.34	0.023	-.0475383	-.0035993
tsd_depend_miss	.0257772	.0227564	1.13	0.263	-.0199082	.0714627
tsd_vrpr	.1167581	.0177389	6.58	0.000	.0811457	.1523705
tsd_vrpr_miss	.1280882	.0176441	7.26	0.000	.0926662	.1635101
pdcgrou2	.0054711	.010567	0.52	0.607	-.0157431	.0266853
pdcgrou3	.0352286	.0101828	3.46	0.001	.0147859	.0556714
pdcgrou4	.0577508	.0081254	7.11	0.000	.0414384	.0740632
pdcgrou5	-.036185	.0614257	-0.59	0.558	-.1595022	.0871322
cohort2000	.0006944	.0154747	0.04	0.964	-.0303724	.0317613
cohort2001	.0034336	.0246881	0.14	0.890	-.0461298	.0529971
cohort2002	-.0517802	.0354719	-1.46	0.150	-.122993	.0194327
cohort2003	.047876	.0334952	1.43	0.159	-.0193684	.1151203
cohort2004	.0902252	.0483672	1.87	0.068	-.0068761	.1873265
award_b4_tsd	-.0293018	.0160661	-1.82	0.074	-.0615558	.0029521
diaward_tsd	-.002294	.0011748	-1.95	0.056	-.0046525	.0000645
epeb4twp_flag	.9823941	1.798721	0.55	0.587	-2.628689	4.593477
ldwb4twp_flag	.1856801	.9088904	0.20	0.839	-1.638994	2.010354
ldwb4epe_flag	-.2771782	.2664417	-1.04	0.303	-.8120823	.2577259
twpb4tsd	.8720055	.0608071	14.34	0.000	.7499301	.9940808
epeb4tsd	.5627553	.0485052	11.60	0.000	.465377	.6601336
ldwb4tsd	5.516663	.1760903	31.33	0.000	5.163147	5.870179
st_AL	-.2573157	.0550855	-4.67	0.000	-.3679045	-.1467269
st_AR	.0167108	.045189	0.37	0.713	-.0740099	.1074315
st_AZ	-.0572374	.0476735	-1.20	0.235	-.152946	.0384712
st_CA	.121634	.0206208	5.90	0.000	.0802361	.163032
st_CO	-.010515	.0391601	-0.27	0.789	-.0891322	.0681022

st_CT	.0382197	.0530855	0.72	0.475	-.0683539	.1447934
st_DC	.1361138	.0163432	8.33	0.000	.1033035	.1689242
st_DE	.0096764	.0879221	0.11	0.913	-.1668345	.1861873
st_FL	-.0160774	.0588217	-0.27	0.786	-.1341668	.102012
st_GA	.0729032	.0699656	1.04	0.302	-.0675586	.2133649
st_HI	.0249906	.0945268	0.26	0.793	-.1647799	.2147612
st_IA	-.1189359	.0822887	-1.45	0.154	-.2841375	.0462656
st_ID	.7537304	.0580735	12.98	0.000	.6371431	.8703178
st_IL	-.055196	.0236108	-2.34	0.023	-.1025967	-.0077952
st_IN	.0236028	.0570887	0.41	0.681	-.0910077	.1382132
st_KS	-.0080033	.0509518	-0.16	0.876	-.1102932	.0942866
st_KY	.018046	.0355343	0.51	0.614	-.0532921	.0893842
st_LA	.0500401	.0352958	1.42	0.162	-.0208191	.1208993
st_MA	-.0854439	.0448983	-1.90	0.063	-.1755811	.0046933
st_MD	.451654	.0736941	6.13	0.000	.303707	.599601
st_ME	.7714748	.066658	11.57	0.000	.6376533	.9052963
st_MI	.0431006	.0159508	2.70	0.009	.011078	.0751232
st_MN	.3560314	.0663565	5.37	0.000	.2228151	.4892478
st_MO	.009209	.0516396	0.18	0.859	-.0944618	.1128799
st_MS	.0594689	.0305814	1.94	0.057	-.0019259	.1208636
st_MT	.0779606	.0828221	0.94	0.351	-.0883117	.2442328
st_NC	.4456437	.0276162	16.14	0.000	.390202	.5010855
st_ND	-.0323507	.0993982	-0.33	0.746	-.2319009	.1671995
st_NE	-.0836477	.0891167	-0.94	0.352	-.2625569	.0952615
st_NH	.0081309	.0765854	0.11	0.916	-.1456207	.1618824
st_NJ	.0440409	.0425621	1.03	0.306	-.0414061	.1294879
st_NM	.1260533	.0409152	3.08	0.003	.0439125	.2081941
st_NV	-.0090931	.0522982	-0.17	0.863	-.1140862	.0958999
st_NY	-.0210867	.0316216	-0.67	0.508	-.0845698	.0423963
st_OH	.2313969	.0361784	6.40	0.000	.1587656	.3040282
st_OK	.0701778	.0501646	1.40	0.168	-.0305319	.1708875
st_OR	-.0792308	.0156706	-5.06	0.000	-.1106909	-.0477706
st_PA	.3513457	.0504745	6.96	0.000	.2500138	.4526775
st_PR	.0472966	.1061871	0.45	0.658	-.1658829	.260476
st_RI	-.4853732	.0655295	-7.41	0.000	-.6169291	-.3538173
st_SC	-.0267725	.0267235	-1.00	0.321	-.0804221	.0268771
st_SD	.0174975	.0991776	0.18	0.861	-.1816098	.2166048
st_TN	.0260448	.049915	0.52	0.604	-.0741637	.1262533
st_TX	.4051413	.0226404	17.89	0.000	.3596887	.4505939
st_UT	-.0385424	.0536148	-0.72	0.475	-.1461786	.0690937
st_VA	.043223	.0853157	0.51	0.615	-.1280555	.2145014
st_VT	-.1183678	.0790508	-1.50	0.140	-.2770688	.0403333
st_WA	.0109093	.010518	1.04	0.305	-.0102065	.0320252
st_WI	.0023206	.0507466	0.05	0.964	-.0995574	.1041987
st_WV	.6364514	.0424696	14.99	0.000	.5511902	.7217125
st_WY	.0540435	.0792977	0.68	0.499	-.1051533	.2132404
tsd_unemp_mean	-.0009503	.0241832	-0.04	0.969	-.0495001	.0475994
tsd_unemp_cng	.0188754	.0109309	1.73	0.090	-.0030693	.0408202
pial	-.0000365	.0000651	-0.56	0.577	-.0001672	.0000942
pia_miss	-.0796511	.0691043	-1.15	0.254	-.2183838	.0590817
ime1	.000033	.0000246	1.34	0.186	-.0000164	.0000825
ime_miss	.0150102	.0399367	0.38	0.709	-.0651661	.0951864
_cons	-.0110218	.1896029	-0.06	0.954	-.3916654	.3696218

(1) motoimm = 0

F(1, 51) = 2.95
 Prob > F = 0.0921

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.3463
 Root MSE = 2.3474

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0038399	.0041073	0.93	0.354	-.0044058	.0120857
male	.0685654	.0135736	5.05	0.000	.0413152	.0958156
gendermiss_flag	-.1508994	.068479	-2.20	0.032	-.2883767	-.0134221
tsd_age	-.0168055	.001879	-8.94	0.000	-.0205777	-.0130333
doage2	.0035732	.0018458	1.94	0.058	-.0001324	.0072787
doage2miss_flag	-.023246	.05539	-0.42	0.676	-.1344461	.087954
race_a	.0017279	.0963524	0.02	0.986	-.1917076	.1951635
race_b	.0889726	.0266508	3.34	0.002	.0354688	.1424763
race_h	.1373622	.0660202	2.08	0.043	.0048211	.2699033
race_i	.0876226	.114445	0.77	0.447	-.1421353	.3173806
race_o	.0025828	.1633964	0.02	0.987	-.3254491	.3306147
race_mis	-.0467459	.0692104	-0.68	0.502	-.1856915	.0921997
tsd_edu_hs	.0616061	.0180814	3.41	0.001	.0253062	.0979059
tsd_edu_mrhs	.2042565	.0230089	8.88	0.000	.1580641	.2504488
tsd_edu_mis	.1070658	.03206	3.34	0.002	.0427027	.171429
tsd_mie_exp	.0468525	.0631197	0.74	0.461	-.0798655	.1735705
tsd_mie_mis	.0213541	.0314201	0.68	0.500	-.0417243	.0844325
tsd_mie_psbl	.0040068	.0197952	0.20	0.840	-.0357337	.0437473
tsd_medicare	-.1464601	.0332765	-4.40	0.000	-.2132655	-.0796546
tsd_medicare_miss	-.1647616	.0445934	-3.69	0.001	-.2542866	-.0752366
tsd_depend_1	-.0839707	.0228099	-3.68	0.001	-.1297635	-.0381779
tsd_depend_2	-.072717	.0229679	-3.17	0.003	-.1188269	-.0266071
tsd_depend_miss	.0649124	.0332303	1.95	0.056	-.0018002	.1316249
tsd_vrpr	.3338028	.0331273	10.08	0.000	.267297	.4003087
tsd_vrpr_miss	.3036818	.0324725	9.35	0.000	.2384905	.3688732
pdcgrou2	-.000742	.0219534	-0.03	0.973	-.0448153	.0433313
pdcgrou3	.1077517	.0174667	6.17	0.000	.0726858	.1428176
pdcgrou4	.1648502	.0231441	7.12	0.000	.1183865	.2113138
pdcgrou5	.0005305	.1845442	0.00	0.998	-.3699574	.3710185
cohort2000	-.0077719	.0427256	-0.18	0.856	-.0935471	.0780032
cohort2001	.0063348	.0596242	0.11	0.916	-.1133657	.1260353
cohort2002	-.1245171	.0781863	-1.59	0.117	-.2814826	.0324484
cohort2003	.0823143	.08876	0.93	0.358	-.0958789	.2605074
cohort2004	.1375931	.1085813	1.27	0.211	-.0803929	.3555791
award_b4_tsd	.0065828	.0650384	0.10	0.920	-.1239873	.1371529
diaward_tsd	-.0073686	.0027555	-2.67	0.010	-.0129004	-.0018367
epeb4twp_flag	.9033982	3.156518	0.29	0.776	-5.433576	7.240372
ldwb4twp_flag	.1998479	1.486241	0.13	0.894	-2.783905	3.183601
ldwb4epe_flag	.2656704	.6194356	0.43	0.670	-.9778986	1.509239
twpb4tsd	2.712383	.1527592	17.76	0.000	2.405706	3.01906
epeb4tsd	.9775548	.0970402	10.07	0.000	.7827385	1.172371
ldwb4tsd	10.1103	.3367345	30.02	0.000	9.434272	10.78632
st_AL	-.1880154	.1385634	-1.36	0.181	-.466193	.0901622
st_AR	.0653349	.1128896	0.58	0.565	-.1613005	.2919703
st_AZ	.053206	.117477	0.45	0.653	-.1826389	.2890509
st_CA	.1134351	.0512408	2.21	0.031	.010565	.2163053
st_CO	-.0392169	.1005881	-0.39	0.698	-.2411559	.1627221
st_CT	.1534427	.1355319	1.13	0.263	-.118649	.4255344
st_DC	.391632	.0393407	9.95	0.000	.3126522	.4706119
st_DE	.4431888	.2182145	2.03	0.047	.005105	.8812726
st_FL	.0853907	.1461319	0.58	0.562	-.2079813	.3787627

st_GA	.3073151	.1734098	1.77	0.082	-.0408197	.6554499
st_HI	.1693137	.2348235	0.72	0.474	-.3021142	.6407416
st_IA	-.0833564	.20828	-0.40	0.691	-.501496	.3347832
st_ID	1.754077	.1421881	12.34	0.000	1.468622	2.039532
st_IL	-.1147047	.0592995	-1.93	0.059	-.2337535	.004344
st_IN	.1615532	.1431068	1.13	0.264	-.1257457	.4488521
st_KS	.0822668	.1309292	0.63	0.533	-.1805846	.3451182
st_KY	.0616926	.0877042	0.70	0.485	-.114381	.2377662
st_LA	.1988085	.0849462	2.34	0.023	.0282719	.3693452
st_MA	.0206671	.1170823	0.18	0.861	-.2143854	.2557196
st_MD	1.161367	.1875967	6.19	0.000	.7847509	1.537983
st_ME	1.601612	.1665609	9.62	0.000	1.267227	1.935997
st_MI	.084776	.0398415	2.13	0.038	.0047908	.1647612
st_MN	.8101735	.1719576	4.71	0.000	.4649543	1.155393
st_MO	.0990261	.1299194	0.76	0.449	-.1617979	.3598501
st_MS	.1785943	.0685176	2.61	0.012	.0410395	.3161491
st_MT	.2561362	.2070655	1.24	0.222	-.1595651	.6718375
st_NC	.8500852	.0705523	12.05	0.000	.7084456	.9917248
st_ND	.1293803	.2506037	0.52	0.608	-.3737277	.6324884
st_NE	-.1847204	.2307602	-0.80	0.427	-.6479909	.2785501
st_NH	.3072678	.1926191	1.60	0.117	-.0794313	.6939668
st_NJ	.2040514	.1065753	1.91	0.061	-.0099076	.4180103
st_NM	.3396211	.1052371	3.23	0.002	.1283488	.5508934
st_NV	.0973481	.1297397	0.75	0.457	-.1631152	.3578114
st_NY	.0096887	.0794951	0.12	0.903	-.1499043	.1692817
st_OH	.4822604	.0944498	5.11	0.000	.2926445	.6718763
st_OK	.0176012	.125035	0.14	0.889	-.233417	.2686194
st_OR	-.1716659	.0355248	-4.83	0.000	-.242985	-.1003469
st_PA	.7329856	.1216825	6.02	0.000	.4886978	.9772734
st_PR	-.2106807	.2627844	-0.80	0.426	-.7382424	.3168809
st_RI	-1.384467	.1630812	-8.49	0.000	-1.711867	-1.057068
st_SC	-.0280645	.0654916	-0.43	0.670	-.1595444	.1034154
st_SD	.2183642	.2526774	0.86	0.392	-.2889069	.7256354
st_TN	.1343738	.1248371	1.08	0.287	-.1162472	.3849947
st_TX	.6181341	.0564973	10.94	0.000	.504711	.7315571
st_UT	-.1181494	.1309313	-0.90	0.371	-.381005	.1447062
st_VA	.2943063	.2122848	1.39	0.172	-.1318732	.7204857
st_VT	.0394882	.1977015	0.20	0.842	-.3574142	.4363906
st_WA	.0679325	.0202819	3.35	0.002	.027215	.10865
st_WI	.0406532	.1277088	0.32	0.752	-.2157329	.2970393
st_WV	1.608847	.1039483	15.48	0.000	1.400162	1.817532
st_WY	.2271446	.2009787	1.13	0.264	-.1763368	.6306261
tsd_unemp_mean	.0580444	.060675	0.96	0.343	-.0637657	.1798546
tsd_unemp_cng	.0489853	.0277028	1.77	0.083	-.0066303	.1046009
pial	-.0000723	.000121	-0.60	0.553	-.0003152	.0001705
pia_miss	-.2849881	.1167255	-2.44	0.018	-.5193243	-.0506519
ime1	.0000949	.0000468	2.03	0.048	8.97e-07	.000189
ime_miss	.0211412	.0750631	0.28	0.779	-.1295543	.1718368
_cons	-.1959873	.4539937	-0.43	0.668	-1.107418	.7154432

(1) motoimm = 0

F(1, 51) = 0.87
 Prob > F = 0.3542

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(45, 51) = .
 Prob > F = .

R-squared = 0.2952
 Root MSE = 3.9284

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0042603	.0068493	0.62	0.537	-.0094903	.0180109
male	.1401714	.0249463	5.62	0.000	.0900897	.1902532
gendermiss_flag	-.6480166	.1344513	-4.82	0.000	-.9179389	-.3780943
tsd_age	-.0337643	.0035546	-9.50	0.000	-.0409004	-.0266282
doage2	.0042192	.0030239	1.40	0.169	-.0018515	.0102899
doage2miss_flag	-.2242212	.1105613	-2.03	0.048	-.4461823	-.0022602
race_a	.0208668	.1653891	0.13	0.900	-.3111656	.3528993
race_b	.166754	.041364	4.03	0.000	.0837123	.2497956
race_h	.2227562	.0840194	2.65	0.011	.0540803	.3914322
race_i	.1259911	.1924147	0.65	0.516	-.2602975	.5122797
race_o	.0248056	.2408726	0.10	0.918	-.4587664	.5083776
race_mis	-.07574	.1184266	-0.64	0.525	-.3134914	.1620114
tsd_edu_hs	.1058805	.0300778	3.52	0.001	.0454968	.1662643
tsd_edu_mrhs	.4178363	.03953	10.57	0.000	.3384765	.4971961
tsd_edu_mis	.2251407	.0554242	4.06	0.000	.1138721	.3364093
tsd_mie_exp	.0870001	.1091867	0.80	0.429	-.1322013	.3062015
tsd_mie_mis	-.0075878	.0487371	-0.16	0.877	-.1054315	.090256
tsd_mie_psbl	-.0162187	.0339077	-0.48	0.634	-.0842912	.0518537
tsd_medicare	-.2428148	.0527785	-4.60	0.000	-.3487721	-.1368576
tsd_medicare_miss	-.3938115	.0892046	-4.41	0.000	-.5728973	-.2147258
tsd_depend_1	-.1849566	.0399172	-4.63	0.000	-.2650937	-.1048195
tsd_depend_2	-.1225558	.0353986	-3.46	0.001	-.1936214	-.0514902
tsd_depend_miss	.0300258	.0615242	0.49	0.628	-.0934891	.1535407
tsd_vrpr	.5736306	.054228	10.58	0.000	.4647633	.682498
tsd_vrpr_miss	.4298928	.048463	8.87	0.000	.3325992	.5271865
pdcgroup2	-.0316113	.0415623	-0.76	0.450	-.115051	.0518284
pdcgroup3	.1921928	.0308097	6.24	0.000	.1303398	.2540459
pdcgroup4	.2887549	.0391278	7.38	0.000	.2102026	.3673071
pdcgroup5	-.0410432	.3657884	-0.11	0.911	-.7753941	.6933076
cohort2000	-.048284	.0798345	-0.60	0.548	-.2085586	.1119905
cohort2001	-.0328417	.1100854	-0.30	0.767	-.2538473	.1881639
cohort2002	-.2406839	.1384699	-1.74	0.088	-.5186738	.0373059
cohort2003	.2103041	.1721877	1.22	0.228	-.1353771	.5559854
cohort2004	.2090457	.1875471	1.11	0.270	-.1674707	.5855622
award_b4_tsd	.0847552	.1179292	0.72	0.476	-.1519974	.3215079
diaward_tsd	-.0139956	.0046959	-2.98	0.004	-.023423	-.0045683
epeb4twp_flag	.8578901	3.481591	0.25	0.806	-6.131695	7.847475
ldwb4twp_flag	-.8446452	1.996409	-0.42	0.674	-4.852604	3.163314
ldwb4epe_flag	1.692804	1.12396	1.51	0.138	-.5636405	3.949249
twpb4tsd	4.670955	.2723002	17.15	0.000	4.12429	5.21762
epeb4tsd	1.221092	.1676064	7.29	0.000	.8846085	1.557576
ldwb4tsd	14.20927	.5090126	27.92	0.000	13.18739	15.23116
st_AL	.2414048	.2130168	1.13	0.262	-.1862443	.669054
st_AR	.0772583	.174628	0.44	0.660	-.273322	.4278386
st_AZ	.2961638	.1769007	1.67	0.100	-.0589792	.6513069
st_CA	.3337757	.0763236	4.37	0.000	.1805496	.4870018
st_CO	-.2013985	.1586401	-1.27	0.210	-.5198817	.1170847
st_CT	.2715234	.2059008	1.32	0.193	-.1418397	.6848864
st_DC	.764051	.0611507	12.49	0.000	.6412857	.8868162
st_DE	1.051479	.327494	3.21	0.002	.3940074	1.708951
st_FL	.2768464	.2178517	1.27	0.210	-.160509	.7142019
st_GA	.5545684	.2553584	2.17	0.035	.0419151	1.067222
st_HI	.2091068	.3510031	0.60	0.554	-.4955612	.9137749
st_IA	-.2579991	.3217311	-0.80	0.426	-.9039013	.387903
st_ID	3.039927	.2127748	14.29	0.000	2.612764	3.46709

st_IL	-.1239843	.0948754	-1.31	0.197	-.3144547	.0664861
st_IN	.3150129	.2182642	1.44	0.155	-.1231707	.7531966
st_KS	.2594544	.2031847	1.28	0.207	-.148456	.6673648
st_KY	.1118488	.1344259	0.83	0.409	-.1580225	.3817201
st_LA	.3524159	.1264308	2.79	0.007	.0985955	.6062362
st_MA	.3045994	.18466	1.65	0.105	-.066121	.6753198
st_MD	1.767702	.2866562	6.17	0.000	1.192215	2.343188
st_ME	2.33009	.2557227	9.11	0.000	1.816705	2.843475
st_MI	.1212031	.0640065	1.89	0.064	-.0072953	.2497014
st_MN	1.227455	.2655686	4.62	0.000	.6943039	1.760606
st_MO	.1663001	.1987122	0.84	0.407	-.2326312	.5652315
st_MS	.3410208	.0972379	3.51	0.001	.1458076	.536234
st_MT	.5059321	.313328	1.61	0.113	-.1231002	1.134964
st_NC	1.212825	.1100849	11.02	0.000	.99182	1.433829
st_ND	.2642619	.3801715	0.70	0.490	-.4989642	1.027488
st_NE	-.4397788	.353844	-1.24	0.220	-1.15015	.2705927
st_NH	.6962268	.2903738	2.40	0.020	.113277	1.279177
st_NJ	.4029259	.160995	2.50	0.016	.079715	.7261369
st_NM	.5465475	.1636078	3.34	0.002	.2180911	.8750039
st_NV	.2331373	.1940016	1.20	0.235	-.1563372	.6226118
st_NY	.0778713	.123517	0.63	0.531	-.1700994	.325842
st_OH	.8032974	.1461019	5.50	0.000	.5099857	1.096609
st_OK	.2956777	.1930098	1.53	0.132	-.0918056	.683161
st_OR	-.1833026	.0526685	-3.48	0.001	-.2890391	-.0775661
st_PA	1.118513	.1810546	6.18	0.000	.7550308	1.481995
st_PR	-.462438	.3994512	-1.16	0.252	-1.26437	.3394938
st_RI	-2.43694	.2494292	-9.77	0.000	-2.93769	-1.93619
st_SC	-.1008482	.1071607	-0.94	0.351	-.3159822	.1142859
st_SD	.371044	.3870264	0.96	0.342	-.405944	1.148032
st_TN	.2311068	.1927871	1.20	0.236	-.1559296	.6181431
st_TX	.8790614	.0887514	9.90	0.000	.7008855	1.057237
st_UT	-.2459077	.1959465	-1.25	0.215	-.6392867	.1474712
st_VA	.5683737	.3196322	1.78	0.081	-.0733147	1.210062
st_VT	-.0813904	.3025359	-0.27	0.789	-.6887565	.5259757
st_WA	.1828779	.0309889	5.90	0.000	.120665	.2450907
st_WI	.1211583	.1975352	0.61	0.542	-.2754101	.5177268
st_WV	2.989315	.1562057	19.14	0.000	2.675719	3.302911
st_WY	3.962747	.3093142	12.81	0.000	3.341773	4.583722
tsd_unemp_mean	.1081144	.0916305	1.18	0.244	-.0758415	.2920704
tsd_unemp_cng	.1049917	.0514975	2.04	0.047	.0016061	.2083772
pial	-.0000741	.0001981	-0.37	0.710	-.0004717	.0003235
pia_miss	-.441712	.1678989	-2.63	0.011	-.7787832	-.1046408
ime1	.0001736	.000075	2.32	0.025	.0000231	.0003241
ime_miss	-.0415735	.1066344	-0.39	0.698	-.2556509	.1725039
_cons	.0384827	.6438992	0.06	0.953	-1.254199	1.331164

(1) motoimm = 0

F(1, 51) = 0.39
 Prob > F = 0.5367

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 77128
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.2577
 Root MSE = 5.6666

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0051026	.0100678	0.51	0.614	-.0151095	.0253146
male	.2260745	.0412433	5.48	0.000	.1432751	.3088739
gendermiss_flag	-1.445946	.2156691	-6.70	0.000	-1.878919	-1.012972
tsd_age	-.0540396	.0052768	-10.24	0.000	-.0646332	-.0434459
doage2	.0032299	.0040067	0.81	0.424	-.0048139	.0112737
doage2miss_flag	-.770558	.170687	-4.51	0.000	-1.113226	-.4278895
race_a	-.0126513	.2095103	-0.06	0.952	-.4332607	.4079582
race_b	.2657635	.0622088	4.27	0.000	.1408741	.3906528
race_h	.294247	.1105281	2.66	0.010	.0723525	.5161415
race_i	.1942256	.288681	0.67	0.504	-.3853257	.7737769
race_o	-.0390189	.3208796	-0.12	0.904	-.6832116	.6051738
race_mis	-.0970923	.1671585	-0.58	0.564	-.4326769	.2384923
tsd_edu_hs	.1544524	.0434372	3.56	0.001	.0672486	.2416562
tsd_edu_mrhs	.6901811	.0586134	11.78	0.000	.5725098	.8078525
tsd_edu_mis	.3614824	.0786253	4.60	0.000	.2036355	.5193292
tsd_mie_exp	.1028114	.1662863	0.62	0.539	-.2310222	.4366451
tsd_mie_mis	-.0393323	.0694829	-0.57	0.574	-.1788251	.1001604
tsd_mie_psbl	-.0575333	.049865	-1.15	0.254	-.1576414	.0425748
tsd_medicare	-.3453858	.0738212	-4.68	0.000	-.4935881	-.1971835
tsd_medicare_miss	-.6892659	.1351201	-5.10	0.000	-.9605308	-.418001
tsd_depend_1	-.284731	.0590469	-4.82	0.000	-.4032726	-.1661893
tsd_depend_2	-.1585245	.0422116	-3.76	0.000	-.2432679	-.0737812
tsd_depend_miss	-.1170855	.0880196	-1.33	0.189	-.2937923	.0596213
tsd_vrpr	.6447072	.091829	7.02	0.000	.4603528	.8290617
tsd_vrpr_miss	.3488189	.0764567	4.56	0.000	.1953257	.5023122
pdcgrou2	-.0987827	.0619612	-1.59	0.117	-.223175	.0256096
pdcgrou3	.2562894	.0529121	4.84	0.000	.1500638	.362515
pdcgrou4	.4056488	.0608665	6.66	0.000	.2834541	.5278434
pdcgrou5	-.150848	.5147821	-0.29	0.771	-1.184316	.8826202
cohort2000	-.0802526	.116195	-0.69	0.493	-.3135238	.1530186
cohort2001	-.0626995	.15905	-0.39	0.695	-.3820056	.2566066
cohort2002	-.3327746	.2039258	-1.63	0.109	-.7421727	.0766235
cohort2003	.4682722	.3025701	1.55	0.128	-.1391628	1.075707
cohort2004	.4659623	.3293826	1.41	0.163	-.1953008	1.127225
award_b4_tsd	.146067	.1870861	0.78	0.439	-.2295239	.521658
diaward_tsd	-.019706	.007007	-2.81	0.007	-.0337731	-.005639
epeb4twp_flag	2.629594	4.481762	0.59	0.560	-6.367919	11.62711
ldwb4twp_flag	-2.177203	2.527163	-0.86	0.393	-7.250695	2.896289
ldwb4epe_flag	3.689985	1.652384	2.23	0.030	.3726855	7.007284
twpb4tsd	6.5189	.3744429	17.41	0.000	5.767175	7.270626
epeb4tsd	1.320389	.2343475	5.63	0.000	.8499167	1.790861
ldwb4tsd	18.00975	.6750072	26.68	0.000	16.65461	19.36488
st_AL	.590911	.2681397	2.20	0.032	.0525981	1.129224
st_AR	-.1989438	.2208211	-0.90	0.372	-.6422607	.244373
st_AZ	.356082	.2204487	1.62	0.112	-.0864873	.7986512
st_CA	.2521771	.1004858	2.51	0.015	.0504434	.4539108
st_CO	-.5596639	.2029927	-2.76	0.008	-.9671887	-.1521391
st_CT	.0698855	.2555998	0.27	0.786	-.4432525	.5830236
st_DC	.8945147	.084354	10.60	0.000	.725167	1.063862
st_DE	1.324157	.4033964	3.28	0.002	.5143051	2.134009
st_FL	.1163395	.2694953	0.43	0.668	-.4246948	.6573738
st_GA	.5081742	.3110344	1.63	0.108	-.1162533	1.132602
st_HI	-.2036771	.4276689	-0.48	0.636	-1.062258	.6549041
st_IA	-.7265365	.4042605	-1.80	0.078	-1.538123	.0850503
st_ID	5.416297	.2656018	20.39	0.000	4.883079	5.949515
st_IL	-.3698686	.1267983	-2.92	0.005	-.6244268	-.1153104
st_IN	.1461867	.2721221	0.54	0.593	-.4001212	.6924947
st_KS	.1339177	.2557145	0.52	0.603	-.3794505	.6472859
st_KY	-.1166372	.1704733	-0.68	0.497	-.4588767	.2256023

st_LA	.2598912	.158893	1.64	0.108	-.0590998	.5788822
st_MA	.3161311	.2378464	1.33	0.190	-.1613655	.7936277
st_MD	2.418754	.3573431	6.77	0.000	1.701357	3.13615
st_ME	2.66537	.3210651	8.30	0.000	2.020805	3.309936
st_MI	-.0842023	.0858471	-0.98	0.331	-.2565476	.088143
st_MN	1.167331	.3334781	3.50	0.001	.4978461	1.836817
st_MO	-.0800413	.2489933	-0.32	0.749	-.5799163	.4198337
st_MS	.2688111	.1208511	2.22	0.031	.0261923	.5114299
st_MT	.4310972	.3869383	1.11	0.270	-.3457139	1.207908
st_NC	1.385552	.1427089	9.71	0.000	1.099052	1.672052
st_ND	-.0181734	.4677984	-0.04	0.969	-.9573178	.9209711
st_NE	-1.198416	.4417854	-2.71	0.009	-2.085337	-.3114948
st_NH	.7951396	.3582111	2.22	0.031	.0760009	1.514278
st_NJ	.3255612	.2016464	1.61	0.113	-.0792608	.7303832
st_NM	.4555788	.2066011	2.21	0.032	.0408097	.8703478
st_NV	.1187969	.2410247	0.49	0.624	-.3650803	.6026741
st_NY	-.0003131	.1585746	-0.00	0.998	-.3186649	.3180387
st_OH	.6745974	.188536	3.58	0.001	.2960956	1.053099
st_OK	.543264	.242565	2.24	0.030	.0562945	1.030233
st_OR	-.371174	.0635788	-5.84	0.000	-.4988138	-.2435342
st_PA	1.251475	.2248902	5.56	0.000	.7999892	1.702961
st_PR	-.7485167	.4929602	-1.52	0.135	-1.738176	.2411422
st_RI	-3.825469	.3144126	-12.17	0.000	-4.456679	-3.19426
st_SC	-.5225536	.143808	-3.63	0.001	-.8112602	-.233847
st_SD	.0432096	.4779817	0.09	0.928	-.9163786	1.002798
st_TN	.0229802	.2428936	0.09	0.925	-.464649	.5106095
st_TX	.9582621	.1176964	8.14	0.000	.7219766	1.194548
st_UT	-.6886683	.2473063	-2.78	0.008	-1.185156	-.1921803
st_VA	.4894141	.3937854	1.24	0.220	-.301143	1.279971
st_VT	-.7962809	.3788976	-2.10	0.041	-1.55695	-.0356122
st_WA	.2181632	.043059	5.07	0.000	.1317186	.3046077
st_WI	-.1225655	.2511625	-0.49	0.628	-.6267952	.3816642
st_WV	4.449452	.1978986	22.48	0.000	4.052154	4.84675
st_WY	7.532898	.3891081	19.36	0.000	6.751731	8.314065
tsd_unemp_mean	.1088312	.1117732	0.97	0.335	-.1155628	.3332252
tsd_unemp_cng	.1573697	.0777018	2.03	0.048	.0013768	.3133625
pial	-.0000783	.0002888	-0.27	0.787	-.0006581	.0005015
pia_miss	-.5175849	.2152969	-2.40	0.020	-.9498115	-.0853583
ime1	.0002649	.0001058	2.50	0.016	.0000525	.0004772
ime_miss	-.1661752	.1389875	-1.20	0.237	-.4452043	.112854
_cons	1.248026	.7718415	1.62	0.112	-.3015102	2.797563

(1) motoimm = 0

F(1, 51) = 0.26
 Prob > F = 0.6145

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(46, 51) = .
 Prob > F = .
 R-squared = 0.1209
 Root MSE = .12655

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
-----------	-------	------------------	---	------	----------------------

motoimm	-.0000682	.00015	-0.45	0.651	-.0003694	.000233
male	.0013024	.000692	1.88	0.066	-.000087	.0026917
gendermiss_flag	-.0071177	.0034313	-2.07	0.043	-.0140064	-.000229
tsd_age	-.0002806	.0000901	-3.11	0.003	-.0004616	-.0000997
doage2	-.0000832	.0000601	-1.38	0.172	-.0002038	.0000375
doage2miss_flag	-.118312	.0063969	-18.50	0.000	-.1311543	-.1054697
race_a	-.0026473	.0027973	-0.95	0.348	-.008263	.0029685
race_b	.0041511	.0016511	2.51	0.015	.0008364	.0074658
race_h	.0014716	.0005837	2.52	0.015	.0002998	.0026433
race_i	.0044105	.0041639	1.06	0.294	-.0039489	.01277
race_o	.0114345	.0032178	3.55	0.001	.0049746	.0178944
race_mis	.0066934	.0024009	2.79	0.007	.0018734	.0115135
tsd_edu_hs	.0028453	.0007519	3.78	0.000	.0013358	.0043548
tsd_edu_mrhs	.0067562	.0011353	5.95	0.000	.0044771	.0090354
tsd_edu_mis	.0049413	.0009833	5.03	0.000	.0029672	.0069153
tsd_mie_exp	.0031879	.002414	1.32	0.193	-.0016584	.0080342
tsd_mie_mis	-.0018446	.001166	-1.58	0.120	-.0041853	.0004962
tsd_mie_psbl	-.0000261	.0010386	-0.03	0.980	-.0021112	.0020589
tsd_medicare	-.0051352	.0011814	-4.35	0.000	-.0075069	-.0027635
tsd_medicare_miss	-.0064547	.0029077	-2.22	0.031	-.0122921	-.0006173
tsd_depend_1	-.0025819	.0008474	-3.05	0.004	-.0042832	-.0008807
tsd_depend_2	-.0004774	.0008189	-0.58	0.563	-.0021214	.0011667
tsd_depend_miss	.00458	.0030896	1.48	0.144	-.0016228	.0107827
tsd_vrpr	.0100319	.0022741	4.41	0.000	.0054663	.0145974
tsd_vrpr_miss	.0120988	.0019721	6.13	0.000	.0081396	.016058
pdcgrou2	-.0024566	.0012095	-2.03	0.047	-.0048848	-.0000284
pdcgrou3	.0036187	.0013891	2.61	0.012	.00083	.0064074
pdcgrou4	.0017042	.0006893	2.47	0.017	.0003204	.003088
pdcgrou5	-.0012291	.0078945	-0.16	0.877	-.0170781	.0146198
cohort2000	.0023661	.0025591	0.92	0.360	-.0027716	.0075037
cohort2001	.0056671	.0028425	1.99	0.052	-.0000395	.0113738
cohort2002	.0068147	.0053642	1.27	0.210	-.0039544	.0175837
cohort2003	.0048215	.00579	0.83	0.409	-.0068024	.0164454
cohort2004	.0153595	.0093242	1.65	0.106	-.0033596	.0340786
award_b4_tsd	-.0044732	.003061	-1.46	0.150	-.0106185	.0016721
diaward_tsd	-.0002236	.0000977	-2.29	0.026	-.0004198	-.0000274
epeb4twp_flag	-.0931524	.0348804	-2.67	0.010	-.1631778	-.023127
ldwb4twp_flag	.1019932	.056632	1.80	0.078	-.0117003	.2156868
ldwb4epe_flag	.1160274	.0227399	5.10	0.000	.0703752	.1616796
twpb4tsd	.1539126	.0125325	12.28	0.000	.1287525	.1790727
epeb4tsd	.0592325	.0054795	10.81	0.000	.0482319	.0702331
ldwb4tsd	-.0932248	.0177358	-5.26	0.000	-.128831	-.0576187
st_AL	-.0036241	.003403	-1.06	0.292	-.010456	.0032078
st_AR	-.0127441	.0027866	-4.57	0.000	-.0183385	-.0071497
st_AZ	.0090889	.0036166	2.51	0.015	.0018283	.0163496
st_CA	.0088345	.0019135	4.62	0.000	.0049929	.0126761
st_CO	-.0094786	.0031485	-3.01	0.004	-.0157996	-.0031576
st_CT	.0007512	.0039125	0.19	0.849	-.0071034	.0086058
st_DC	-.0272393	.0019297	-14.12	0.000	-.0311134	-.0233652
st_DE	-.0116675	.005407	-2.16	0.036	-.0225224	-.0008126
st_FL	-.0136762	.0040856	-3.35	0.002	-.0218784	-.0054741
st_GA	-.0050293	.0041657	-1.21	0.233	-.0133924	.0033338
st_HI	-.0009445	.0066311	-0.14	0.887	-.014257	.0123679
st_IA	-.0270133	.0043837	-6.16	0.000	-.035814	-.0182126
st_ID	.0006025	.0040663	0.15	0.883	-.0075609	.0087658
st_IL	-.0165529	.0022989	-7.20	0.000	-.0211683	-.0119376
st_IN	-.0157759	.0033899	-4.65	0.000	-.0225814	-.0089704
st_KS	-.0023072	.0029157	-0.79	0.432	-.0081607	.0035462
st_KY	-.0074926	.0026672	-2.81	0.007	-.0128473	-.002138
st_LA	.0038044	.0027821	1.37	0.177	-.0017809	.0093896
st_MA	-.005591	.0032533	-1.72	0.092	-.0121222	.0009402
st_MD	.0024477	.0046962	0.52	0.604	-.0069803	.0118756
st_ME	-.0003392	.0040975	-0.08	0.934	-.0085653	.0078868

st_MI	-.002719	.0013476	-2.02	0.049	-.0054244	-.0000136
st_MN	.0008802	.0042737	0.21	0.838	-.0076997	.00946
st_MO	-.0093571	.0029187	-3.21	0.002	-.0152166	-.0034977
st_MS	-.0011485	.0021789	-0.53	0.600	-.0055229	.0032258
st_MT	.0523187	.0051329	10.19	0.000	.042014	.0626234
st_NC	.0001633	.0027318	0.06	0.953	-.005321	.0056476
st_ND	-.0549454	.0073013	-7.53	0.000	-.0696034	-.0402873
st_NE	-.0056764	.0052249	-1.09	0.282	-.0161658	.0048131
st_NH	-.0162767	.0052727	-3.09	0.003	-.0268621	-.0056913
st_NJ	-.0107712	.0037422	-2.88	0.006	-.018284	-.0032584
st_NM	-.0288105	.0033501	-8.60	0.000	-.035536	-.022085
st_NV	-.0221921	.0045875	-4.84	0.000	-.0314019	-.0129824
st_NY	-.0116958	.0024855	-4.71	0.000	-.0166856	-.0067061
st_OH	.0003359	.0023257	0.14	0.886	-.0043332	.005005
st_OK	-.0139783	.003755	-3.72	0.000	-.0215168	-.0064397
st_OR	-.0030798	.001412	-2.18	0.034	-.0059146	-.000245
st_PA	.0036105	.0030094	1.20	0.236	-.0024311	.0096521
st_PR	.0135181	.0050112	2.70	0.009	.0034576	.0235786
st_RI	.0054706	.0030975	1.77	0.083	-.0007479	.0116891
st_SC	.0035305	.0011988	2.94	0.005	.0011237	.0059373
st_SD	-.0347102	.0054067	-6.42	0.000	-.0455646	-.0238559
st_TN	-.0119709	.0030958	-3.87	0.000	-.018186	-.0057557
st_TX	.0064569	.0022603	2.86	0.006	.0019191	.0109947
st_UT	-.0009746	.0035088	-0.28	0.782	-.0080188	.0060697
st_VA	-.0094459	.0054483	-1.73	0.089	-.0203838	.001492
st_VT	.0324739	.0053501	6.07	0.000	.0217332	.0432145
st_WA	.0049621	.002037	2.44	0.018	.0008726	.0090515
st_WI	-.0214382	.0038516	-5.57	0.000	-.0291706	-.0137059
st_WV	.0025393	.0031288	0.81	0.421	-.0037421	.0088206
st_WY	-.0115136	.0052045	-2.21	0.031	-.021962	-.0010653
tsd_unemp_mean	-.0030999	.001449	-2.14	0.037	-.0060089	-.0001908
tsd_unemp_cng	9.87e-06	.0010889	0.01	0.993	-.0021761	.0021958
pial	-8.28e-06	2.83e-06	-2.92	0.005	-.000014	-2.59e-06
pia_miss	-.0185	.0033162	-5.58	0.000	-.0251576	-.0118424
ime1	4.34e-06	8.88e-07	4.89	0.000	2.56e-06	6.13e-06
ime_miss	.0045459	.0016428	2.77	0.008	.0012478	.0078439
_cons	.0226285	.0145415	1.56	0.126	-.0065647	.0518217

(1) motoimm = 0

F(1, 51) = 0.21
 Prob > F = 0.6514

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_unemp.xls

dir : seeout

Linear regression

Number of obs = 114377
 F(46, 51) = .
 Prob > F = .
 R-squared = 0.1204
 Root MSE = .17637

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0003042	.0002132	-1.43	0.160	-.0007323 .0001239
male	.0040124	.0011528	3.48	0.001	.0016981 .0063268
gendermiss_flag	-.0220808	.0061575	-3.59	0.001	-.0344425 -.009719
tsd_age	-.0008817	.0001474	-5.98	0.000	-.0011775 -.0005858

doage2	-.0001343	.0000786	-1.71	0.094	-.0002921	.0000235
doage2miss_flag	-.144103	.0112243	-12.84	0.000	-.1666367	-.1215692
race_a	.0012389	.0039815	0.31	0.757	-.0067542	.009232
race_b	.0099821	.002602	3.84	0.000	.0047584	.0152059
race_h	.0057567	.0012095	4.76	0.000	.0033285	.0081849
race_i	-.0012323	.0055405	-0.22	0.825	-.0123553	.0098908
race_o	.0209516	.0057367	3.65	0.001	.0094348	.0324684
race_mis	.0069942	.0050825	1.38	0.175	-.0032093	.0171977
tsd_edu_hs	.0058782	.0010786	5.45	0.000	.0037128	.0080435
tsd_edu_mrhs	.0159264	.00174	9.15	0.000	.0124332	.0194196
tsd_edu_mis	.0101797	.0016342	6.23	0.000	.006899	.0134605
tsd_mie_exp	.0051656	.0026101	1.98	0.053	-.0000743	.0104056
tsd_mie_mis	-.0039378	.001493	-2.64	0.011	-.0069351	-.0009405
tsd_mie_psbl	-.0008505	.0011992	-0.71	0.481	-.003258	.0015571
tsd_medicare	-.0103137	.0012172	-8.47	0.000	-.0127573	-.0078702
tsd_medicare_miss	-.0246852	.0052439	-4.71	0.000	-.0352128	-.0141576
tsd_depend_1	-.0042106	.0014658	-2.87	0.006	-.0071532	-.0012679
tsd_depend_2	-.0011946	.0018965	-0.63	0.532	-.005002	.0026128
tsd_depend_miss	-.0027352	.004753	-0.58	0.568	-.0122771	.0068068
tsd_vrpr	.0131642	.0046476	2.83	0.007	.0038338	.0224946
tsd_vrpr_miss	.0053956	.0035829	1.51	0.138	-.0017975	.0125887
pdcgrou2	-.0091246	.0018369	-4.97	0.000	-.0128123	-.0054368
pdcgrou3	.0053795	.0013561	3.97	0.000	.0026569	.0081021
pdcgrou4	.0014609	.001212	1.21	0.234	-.0009722	.003894
pdcgrou5	-.0017318	.0108837	-0.16	0.874	-.0235818	.0201182
cohort2000	-.001662	.0026479	-0.63	0.533	-.0069779	.0036539
cohort2001	.0000166	.0030481	0.01	0.996	-.0061026	.0061359
cohort2002	-.0007986	.00571	-0.14	0.889	-.0122619	.0106648
cohort2003	.0012647	.0077347	0.16	0.871	-.0142633	.0167928
cohort2004	.0342857	.0170877	2.01	0.050	-.0000194	.0685908
award_b4_tsd	-.01374	.0084497	-1.63	0.110	-.0307035	.0032235
diaward_tsd	-.0005833	.0001554	-3.75	0.000	-.0008953	-.0002714
epeb4twp_flag	-.1013496	.0417381	-2.43	0.019	-.1851423	-.0175569
ldwb4twp_flag	.1063753	.0546898	1.95	0.057	-.0034192	.2161697
ldwb4epe_flag	.2748547	.0316198	8.69	0.000	.2113752	.3383342
twpb4tsd	.2103026	.013117	16.03	0.000	.1839691	.2366361
epeb4tsd	.0565754	.0052567	10.76	0.000	.0460221	.0671286
ldwb4tsd	-.1307108	.021831	-5.99	0.000	-.1745383	-.0868832
st_AL	.0096193	.0047522	2.02	0.048	.0000789	.0191597
st_AR	.0109662	.0036271	3.02	0.004	.0036845	.0182479
st_AZ	.0174547	.0047135	3.70	0.001	.007992	.0269175
st_CA	.0309978	.0029384	10.55	0.000	.0250987	.036897
st_CO	-.0008669	.0043072	-0.20	0.841	-.0095139	.0077801
st_CT	.0477596	.004973	9.60	0.000	.0377758	.0577434
st_DC	-.0314915	.0026502	-11.88	0.000	-.0368121	-.0261709
st_DE	.0137887	.0068463	2.01	0.049	.0000442	.0275332
st_FL	-.0090846	.0054168	-1.68	0.100	-.0199593	.0017901
st_GA	.0050794	.0055495	0.92	0.364	-.0060617	.0162205
st_HI	.0108822	.0095459	1.14	0.260	-.008282	.0300463
st_IA	-.0321008	.0058967	-5.44	0.000	-.043939	-.0202627
st_ID	.0157343	.0060978	2.58	0.013	.0034925	.0279761
st_IL	.0015072	.0028412	0.53	0.598	-.0041967	.007211
st_IN	.0091716	.0045406	2.02	0.049	.000056	.0182872
st_KS	.0098949	.0037761	2.62	0.012	.0023142	.0174757
st_KY	.0075823	.0035186	2.15	0.036	.0005184	.0146462
st_LA	.0040751	.0037187	1.10	0.278	-.0033906	.0115407
st_MA	-.0048108	.0042529	-1.13	0.263	-.0133489	.0037273
st_MD	.0206314	.0065515	3.15	0.003	.0074787	.0337842
st_ME	.0174577	.0058695	2.97	0.004	.0056743	.0292412
st_MI	.0149765	.0015043	9.96	0.000	.0119564	.0179966
st_MN	.0171587	.0061938	2.77	0.008	.0047242	.0295932
st_MO	.0092306	.0038707	2.38	0.021	.0014598	.0170014
st_MS	.0087664	.002767	3.17	0.003	.0032115	.0143213

st_MT	.0410204	.0071145	5.77	0.000	.0267374	.0553034
st_NC	.0107242	.0039885	2.69	0.010	.002717	.0187314
st_ND	-.0721399	.0106146	-6.80	0.000	-.0934497	-.0508302
st_NE	.0088846	.0074312	1.20	0.237	-.0060341	.0238034
st_NH	.0064082	.0072976	0.88	0.384	-.0082423	.0210588
st_NJ	.0000551	.0049148	0.01	0.991	-.0098118	.009922
st_NM	-.0168342	.0040922	-4.11	0.000	-.0250495	-.0086188
st_NV	-.0133878	.0059735	-2.24	0.029	-.0253801	-.0013956
st_NY	.00482	.0032555	1.48	0.145	-.0017158	.0113557
st_OH	.0181035	.0032515	5.57	0.000	.0115758	.0246312
st_OK	-.0166131	.0050846	-3.27	0.002	-.0268208	-.0064054
st_OR	.0064979	.0014065	4.62	0.000	.0036742	.0093215
st_PA	.020388	.0043277	4.71	0.000	.0116998	.0290763
st_PR	.0280828	.006958	4.04	0.000	.0141141	.0420515
st_RI	.0251368	.0047175	5.33	0.000	.0156661	.0346075
st_SC	.0112862	.0014208	7.94	0.000	.0084337	.0141386
st_SD	-.0564606	.0089947	-6.28	0.000	-.0745182	-.0384031
st_TN	-.002157	.004068	-0.53	0.598	-.0103238	.0060099
st_TX	.0238705	.0033111	7.21	0.000	.0172232	.0305178
st_UT	.0153837	.0053058	2.90	0.006	.0047319	.0260354
st_VA	.0081481	.0072312	1.13	0.265	-.0063691	.0226653
st_VT	.0320994	.0069618	4.61	0.000	.018123	.0460758
st_WA	.029829	.0029313	10.18	0.000	.0239442	.0357137
st_WI	-.0019102	.0050871	-0.38	0.709	-.012123	.0083026
st_WV	.0157211	.004525	3.47	0.001	.0066369	.0248054
st_WY	-.0055006	.0074212	-0.74	0.462	-.0203992	.0093981
tsd_unemp_mean	-.0045775	.0019124	-2.39	0.020	-.0084168	-.0007383
tsd_unemp_cng	-.0003347	.0009805	-0.34	0.734	-.0023031	.0016336
pial	-.0000108	3.45e-06	-3.14	0.003	-.0000178	-3.91e-06
pia_miss	-.0201331	.0044469	-4.53	0.000	-.0290606	-.0112055
ime1	6.64e-06	1.19e-06	5.57	0.000	4.25e-06	9.04e-06
ime_miss	-.0016767	.0025061	-0.67	0.506	-.0067079	.0033546
_cons	.0717851	.0169793	4.23	0.000	.0376978	.1058724

(1) motoimm = 0

F(1, 51) = 2.03
 Prob > F = 0.1598

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(46, 51) = .
 Prob > F = .
 R-squared = 0.1201
 Root MSE = .21036

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0003913	.0002303	-1.70	0.095	-.0008537	.0000711
male	.0054985	.0015694	3.50	0.001	.0023478	.0086492
gendermiss_flag	-.0352019	.0070257	-5.01	0.000	-.0493066	-.0210971
tsd_age	-.0014412	.0001999	-7.21	0.000	-.0018425	-.0010398
doage2	-.0003178	.0001268	-2.51	0.015	-.0005723	-.0000632
doage2miss_flag	-.1443029	.0134216	-10.75	0.000	-.1712479	-.1173579
race_a	.0029586	.0029607	1.00	0.322	-.0029853	.0089025
race_b	.015051	.0025529	5.90	0.000	.0099258	.0201761

race_h	.0062724	.0024117	2.60	0.012	.0014306	.0111142
race_i	.0045428	.006722	0.68	0.502	-.0089522	.0180378
race_o	.0169328	.006022	2.81	0.007	.0048432	.0290224
race_mis	.0047163	.0062423	0.76	0.453	-.0078156	.0172482
tsd_edu_hs	.0084463	.0012507	6.75	0.000	.0059354	.0109572
tsd_edu_mrhs	.0217733	.002043	10.66	0.000	.0176719	.0258748
tsd_edu_mis	.013468	.0015018	8.97	0.000	.0104531	.016483
tsd_mie_exp	.0040234	.0039812	1.01	0.317	-.0039692	.0120161
tsd_mie_mis	-.0035727	.0019578	-1.82	0.074	-.007503	.0003577
tsd_mie_psbl	-.0021288	.0015814	-1.35	0.184	-.0053037	.001046
tsd_medicare	-.0134881	.0014453	-9.33	0.000	-.0163897	-.0105865
tsd_medicare_miss	-.038058	.0067851	-5.61	0.000	-.0516797	-.0244364
tsd_depend_1	-.0027432	.0018582	-1.48	0.146	-.0064738	.0009873
tsd_depend_2	.0010484	.0025103	0.42	0.678	-.0039911	.0060879
tsd_depend_miss	-.0099435	.0053224	-1.87	0.067	-.0206286	.0007416
tsd_vrpr	.0000844	.0040848	0.02	0.984	-.0081163	.008285
tsd_vrpr_miss	-.0182127	.0042	-4.34	0.000	-.0266446	-.0097808
pdcgrou2	-.0145425	.002743	-5.30	0.000	-.0200493	-.0090357
pdcgrou3	.0052597	.0016151	3.26	0.002	.0020172	.0085021
pdcgrou4	-.0019046	.0019939	-0.96	0.344	-.0059075	.0020984
pdcgrou5	-.0131864	.011594	-1.14	0.261	-.0364623	.0100895
cohort2000	-.0025401	.0023252	-1.09	0.280	-.0072081	.0021279
cohort2001	-.0026133	.0035932	-0.73	0.470	-.009827	.0046005
cohort2002	-.005701	.0063173	-0.90	0.371	-.0183835	.0069815
cohort2003	-.0026239	.0085583	-0.31	0.760	-.0198054	.0145576
cohort2004	.047261	.0200233	2.36	0.022	.0070625	.0874595
award_b4_tsd	-.0024181	.0130788	-0.18	0.854	-.0286749	.0238388
diaward_tsd	-.0007615	.0002059	-3.70	0.001	-.0011749	-.0003481
epeb4twp_flag	-.2248838	.0579805	-3.88	0.000	-.3412844	-.1084832
ldwb4twp_flag	.3528936	.0827352	4.27	0.000	.1867959	.5189914
ldwb4epe_flag	.3929659	.0309023	12.72	0.000	.3309269	.4550049
twpb4tsd	.2452461	.0125927	19.48	0.000	.2199652	.270527
epeb4tsd	.0456537	.0060042	7.60	0.000	.0335998	.0577076
ldwb4tsd	-.1624658	.0230353	-7.05	0.000	-.2087111	-.1162206
st_AL	.0296271	.0052874	5.60	0.000	.0190122	.040242
st_AR	.0163195	.0039974	4.08	0.000	.0082944	.0243445
st_AZ	.0278722	.0053049	5.25	0.000	.0172222	.0385222
st_CA	.0605077	.0028788	21.02	0.000	.0547282	.0662871
st_CO	.0435557	.0044061	9.89	0.000	.0347101	.0524012
st_CT	.0647838	.0057883	11.19	0.000	.0531634	.0764043
st_DC	.02648	.0029856	8.87	0.000	.0204862	.0324738
st_DE	.0159768	.0076536	2.09	0.042	.0006116	.031342
st_FL	.0073494	.0060295	1.22	0.228	-.0047554	.0194541
st_GA	.0215965	.0062292	3.47	0.001	.0090908	.0341022
st_HI	.0381651	.0091197	4.18	0.000	.0198565	.0564738
st_IA	-.0152474	.006386	-2.39	0.021	-.0280679	-.002427
st_ID	.0313901	.0066395	4.73	0.000	.0180607	.0447195
st_IL	.0311072	.0028922	10.76	0.000	.0253008	.0369136
st_IN	.0260641	.004857	5.37	0.000	.0163132	.0358151
st_KS	.0402697	.0041494	9.71	0.000	.0319395	.0485999
st_KY	.0486082	.0040013	12.15	0.000	.0405751	.0566412
st_LA	.0347859	.0040266	8.64	0.000	.0267022	.0428696
st_MA	.0254735	.0047064	5.41	0.000	.0160251	.034922
st_MD	.0423423	.0072055	5.88	0.000	.0278767	.0568079
st_ME	.0443257	.0063216	7.01	0.000	.0316345	.0570168
st_MI	.0380062	.0017677	21.50	0.000	.0344574	.041555
st_MN	.0425333	.0066098	6.43	0.000	.0292636	.055803
st_MO	.0238203	.0042595	5.59	0.000	.0152691	.0323715
st_MS	.036896	.0031368	11.76	0.000	.0305985	.0431935
st_MT	.0385722	.008059	4.79	0.000	.022393	.0547514
st_NC	.0295872	.00436	6.79	0.000	.0208341	.0383402
st_ND	-.0743443	.0112243	-6.62	0.000	-.0968781	-.0518106
st_NE	.0282984	.0080065	3.53	0.001	.0122247	.044372

st_NH	.0074054	.0081506	0.91	0.368	-.0089576	.0237684
st_NJ	.0333056	.0054734	6.09	0.000	.0223174	.0442939
st_NM	.0418963	.0042925	9.76	0.000	.0332787	.0505139
st_NV	.0152316	.0066061	2.31	0.025	.0019693	.0284939
st_NY	.0330335	.0035921	9.20	0.000	.025822	.0402449
st_OH	.0383342	.0033246	11.53	0.000	.0316597	.0450086
st_OK	.0061658	.0053797	1.15	0.257	-.0046345	.0169661
st_OR	.0114311	.0018736	6.10	0.000	.0076697	.0151925
st_PA	.0425301	.0046202	9.21	0.000	.0332547	.0518056
st_PR	.046418	.0082522	5.62	0.000	.0298509	.062985
st_RI	.0494843	.0050777	9.75	0.000	.0392904	.0596782
st_SC	.0227624	.0019106	11.91	0.000	.0189267	.0265981
st_SD	-.0659307	.0095993	-6.87	0.000	-.0852021	-.0466593
st_TN	.0128224	.0044766	2.86	0.006	.0038352	.0218096
st_TX	.0470291	.0034364	13.69	0.000	.0401303	.053928
st_UT	.034628	.0054672	6.33	0.000	.023652	.0456039
st_VA	.0388364	.0080071	4.85	0.000	.0227615	.0549113
st_VT	.082824	.0076731	10.79	0.000	.0674196	.0982283
st_WA	.0523559	.0029355	17.84	0.000	.0464626	.0582493
st_WI	.030972	.0055177	5.61	0.000	.0198949	.0420492
st_WV	.0344108	.0048142	7.15	0.000	.024746	.0440756
st_WY	.0129563	.0080149	1.62	0.112	-.0031344	.0290469
tsd_unemp_mean	-.005252	.002198	-2.39	0.021	-.0096646	-.0008393
tsd_unemp_cng	-.0004255	.0014989	-0.28	0.778	-.0034346	.0025836
pial	-4.56e-06	4.28e-06	-1.06	0.292	-.0000132	4.04e-06
pia_miss	-.0167352	.0046822	-3.57	0.001	-.0261351	-.0073352
ime1	4.90e-06	1.48e-06	3.31	0.002	1.93e-06	7.88e-06
ime_miss	-.012496	.0031698	-3.94	0.000	-.0188595	-.0061324
_cons	.121096	.0249969	4.84	0.000	.0709126	.1712795

(1) motoimm = 0

F(1, 51) = 2.89
 Prob > F = 0.0954

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(46, 51) = .
 Prob > F = .
 R-squared = 0.1135
 Root MSE = .23684

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0004118	.0002166	-1.90	0.063	-.0008466	.000023
male	.0077902	.0016945	4.60	0.000	.0043884	.0111921
gendermiss_flag	-.0481809	.0081827	-5.89	0.000	-.0646083	-.0317534
tsd_age	-.0021993	.0002798	-7.86	0.000	-.0027609	-.0016377
doage2	-.0003241	.0001786	-1.82	0.075	-.0006825	.0000344
doage2miss_flag	-.1351148	.015456	-8.74	0.000	-.166144	-.1040856
race_a	-.0010495	.0043173	-0.24	0.809	-.0097169	.0076179
race_b	.0212132	.0031767	6.68	0.000	.0148358	.0275907
race_h	.006552	.0037827	1.73	0.089	-.001042	.014146
race_i	.0079948	.0091106	0.88	0.384	-.0102955	.026285
race_o	.0215467	.007091	3.04	0.004	.0073109	.0357826
race_mis	.0013235	.0072801	0.18	0.856	-.0132918	.0159389

tsd_edu_hs	.0089136	.0017898	4.98	0.000	.0053205	.0125067
tsd_edu_mrhs	.028519	.0025243	11.30	0.000	.0234514	.0335867
tsd_edu_mis	.0159029	.0019665	8.09	0.000	.0119549	.0198509
tsd_mie_exp	.0067041	.0053432	1.25	0.215	-.0040228	.017431
tsd_mie_mis	-.0046382	.0026713	-1.74	0.089	-.0100011	.0007247
tsd_mie_psbl	-.002837	.0019198	-1.48	0.146	-.0066911	.0010171
tsd_medicare	-.0155475	.0022096	-7.04	0.000	-.0199835	-.0111115
tsd_medicare_miss	-.0500604	.0085829	-5.83	0.000	-.0672913	-.0328296
tsd_depend_1	-.0023076	.0022407	-1.03	0.308	-.0068061	.0021909
tsd_depend_2	.0040587	.0029644	1.37	0.177	-.0018926	.01001
tsd_depend_miss	-.0142482	.0060136	-2.37	0.022	-.026321	-.0021754
tsd_vrpr	-.0179155	.0053168	-3.37	0.001	-.0285893	-.0072417
tsd_vrpr_miss	-.0437407	.0073067	-5.99	0.000	-.0584096	-.0290719
pdcgrou2	-.0216517	.0029833	-7.26	0.000	-.0276409	-.0156624
pdcgrou3	.0039494	.002272	1.74	0.088	-.0006118	.0085107
pdcgrou4	-.0057324	.0021957	-2.61	0.012	-.0101405	-.0013243
pdcgrou5	-.0256238	.0117772	-2.18	0.034	-.0492675	-.00198
cohort2000	-.0046794	.0026804	-1.75	0.087	-.0100605	.0007016
cohort2001	-.0072906	.0034092	-2.14	0.037	-.0141348	-.0004463
cohort2002	-.0127443	.0063331	-2.01	0.049	-.0254585	-.0000301
cohort2003	-.0088877	.0086204	-1.03	0.307	-.0261939	.0084185
cohort2004	.0529893	.0222398	2.38	0.021	.0083411	.0976374
award_b4_tsd	.0000847	.0126497	0.01	0.995	-.0253106	.02548
diaward_tsd	-.0009668	.0002184	-4.43	0.000	-.0014052	-.0005284
epeb4twp_flag	-.2313599	.0580614	-3.98	0.000	-.3479231	-.1147967
ldwb4twp_flag	.3508848	.081158	4.32	0.000	.1879533	.5138163
ldwb4epe_flag	.4729234	.0356467	13.27	0.000	.4013597	.5444872
twpb4tsd	.2550255	.0117327	21.74	0.000	.2314712	.2785798
epeb4tsd	.0392187	.0069513	5.64	0.000	.0252633	.0531741
ldwb4tsd	-.182724	.022662	-8.06	0.000	-.22822	-.1372281
st_AL	-.064473	.0056316	-11.45	0.000	-.0757789	-.0531671
st_AR	-.0661377	.0043135	-15.33	0.000	-.0747973	-.0574478
st_AZ	-.0431508	.005869	-7.35	0.000	-.0549332	-.0313684
st_CA	-.0251788	.0033017	-7.63	0.000	-.0318074	-.0185503
st_CO	-.0493543	.0046116	-10.70	0.000	-.0586126	-.0400961
st_CT	-.0083712	.0064956	-1.29	0.203	-.0214116	.0046692
st_DC	-.0272077	.0031708	-8.58	0.000	-.0335732	-.0208421
st_DE	-.0927774	.0079241	-11.71	0.000	-.1086858	-.0768691
st_FL	-.0755253	.0065895	-11.46	0.000	-.0887543	-.0622963
st_GA	-.0669553	.0063054	-10.62	0.000	-.0796138	-.0542968
st_HI	-.0485857	.0100985	-4.81	0.000	-.0688593	-.0283121
st_IA	-.093197	.0068609	-13.58	0.000	-.1069709	-.0794231
st_ID	-.0556889	.0074982	-7.43	0.000	-.0707421	-.0406357
st_IL	-.0451333	.0030041	-15.02	0.000	-.0511643	-.0391024
st_IN	-.080461	.0052966	-15.19	0.000	-.0910944	-.0698275
st_KS	-.0528341	.0043542	-12.13	0.000	-.0615755	-.0440928
st_KY	-.047435	.0045619	-10.40	0.000	-.0565933	-.0382767
st_LA	-.0623313	.0041097	-15.17	0.000	-.0705817	-.0540808
st_MA	-.0483552	.0053878	-8.97	0.000	-.0591716	-.0375388
st_MD	-.0474109	.0076304	-6.21	0.000	-.0627296	-.0320922
st_ME	-.0516217	.0069199	-7.46	0.000	-.065514	-.0377295
st_MI	-.0510531	.0020261	-25.20	0.000	-.0551208	-.0469855
st_MN	-.0478411	.0072093	-6.64	0.000	-.0623143	-.0333678
st_MO	-.0545369	.004521	-12.06	0.000	-.0636132	-.0454605
st_MS	-.0518591	.0030122	-17.22	0.000	-.0579064	-.0458119
st_MT	-.0709404	.0088574	-8.01	0.000	-.0887225	-.0531584
st_NC	-.0667375	.0047048	-14.19	0.000	-.0761827	-.0572922
st_ND	-.1831094	.011985	-15.28	0.000	-.2071703	-.1590484
st_NE	-.0617116	.0086683	-7.12	0.000	-.0791139	-.0443093
st_NH	-.0699948	.0093523	-7.48	0.000	-.0887705	-.0512192
st_NJ	-.0592788	.0061604	-9.62	0.000	-.0716462	-.0469113
st_NM	-.0462306	.0046112	-10.03	0.000	-.0554878	-.0369733
st_NV	-.0783505	.0074167	-10.56	0.000	-.0932402	-.0634608

st_NY	-.0475986	.0039784	-11.96	0.000	-.0555856	-.0396116
st_OH	-.0537947	.0035609	-15.11	0.000	-.0609435	-.0466459
st_OK	-.0810804	.005549	-14.61	0.000	-.0922204	-.0699404
st_OR	-.0544898	.0024049	-22.66	0.000	-.0593177	-.0496618
st_PA	-.0467305	.0049563	-9.43	0.000	-.0566808	-.0367803
st_PR	-.0513052	.0094431	-5.43	0.000	-.0702631	-.0323474
st_RI	-.0402682	.0056018	-7.19	0.000	-.0515143	-.0290222
st_SC	-.0702739	.0022334	-31.46	0.000	-.0747578	-.0657901
st_SD	-.1817016	.0103091	-17.63	0.000	-.202398	-.1610051
st_TN	-.0876297	.0047962	-18.27	0.000	-.0972583	-.078001
st_TX	-.0423559	.0037603	-11.26	0.000	-.049905	-.0348069
st_UT	-.0522376	.0059934	-8.72	0.000	-.0642698	-.0402054
st_VA	-.0559493	.00844	-6.63	0.000	-.0728933	-.0390053
st_VT	.0235882	.0080314	2.94	0.005	.0074644	.039712
st_WA	-.0355732	.0034342	-10.36	0.000	-.0424675	-.0286788
st_WI	-.0686558	.0060752	-11.30	0.000	-.0808522	-.0564593
st_WV	-.0582755	.0052206	-11.16	0.000	-.0687563	-.0477947
tsd_unemp_mean	-.0054742	.0023952	-2.29	0.026	-.0102829	-.0006656
tsd_unemp_cng	-.0003617	.0019594	-0.18	0.854	-.0042953	.0035719
pial	-4.18e-06	4.96e-06	-0.84	0.403	-.0000141	5.77e-06
pia_miss	-.0190041	.0068364	-2.78	0.008	-.0327288	-.0052794
ime1	5.11e-06	1.49e-06	3.44	0.001	2.13e-06	8.09e-06
ime_miss	-.0168223	.0033804	-4.98	0.000	-.0236088	-.0100358
_cons	.2883511	.0330803	8.72	0.000	.2219397	.3547625

(1) motoimm = 0

F(1, 51) = 3.61
 Prob > F = 0.0629

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(46, 51) = .
 Prob > F = .
 R-squared = 0.1244
 Root MSE = .14788

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0001077	.0002131	0.51	0.615	-.00032	.0005355
male	.0017309	.0010513	1.65	0.106	-.0003797	.0038416
gendermiss_flag	-.0117856	.0024454	-4.82	0.000	-.0166949	-.0068764
tsd_age	-.0002007	.0001089	-1.84	0.071	-.0004194	.000018
doage2	-.000345	.0001021	-3.38	0.001	-.00055	-.0001401
doage2miss_flag	-.0880738	.0066109	-13.32	0.000	-.1013458	-.0748019
race_a	.0000542	.0032768	0.02	0.987	-.0065242	.0066326
race_b	.0033412	.001593	2.10	0.041	.0001432	.0065392
race_h	.0011334	.0016787	0.68	0.503	-.0022367	.0045035
race_i	-.0069057	.0042684	-1.62	0.112	-.0154748	.0016635
race_o	.0105995	.0040252	2.63	0.011	.0025185	.0186805
race_mis	-4.48e-06	.0028632	-0.00	0.999	-.0057526	.0057437
tsd_edu_hs	.0028886	.0014473	2.00	0.051	-.0000169	.0057941
tsd_edu_mrhs	.0074101	.0016272	4.55	0.000	.0041433	.0106768
tsd_edu_mis	.0054612	.0017139	3.19	0.002	.0020203	.0089021
tsd_mie_exp	.0026769	.0030007	0.89	0.377	-.0033474	.0087011

tsd_mie_mis	-.005597	.0020002	-2.80	0.007	-.0096126	-.0015815
tsd_mie_psbl	-.0049215	.0014615	-3.37	0.001	-.0078556	-.0019874
tsd_medicare	-.010046	.0014973	-6.71	0.000	-.0130521	-.00704
tsd_medicare_miss	-.0190549	.0032941	-5.78	0.000	-.0256681	-.0124416
tsd_depend_1	-.0027276	.0013681	-1.99	0.052	-.0054742	.0000189
tsd_depend_2	-.0013872	.0008583	-1.62	0.112	-.0031104	.000336
tsd_depend_miss	-.0063328	.0039113	-1.62	0.112	-.014185	.0015193
tsd_vrpr	.0111643	.002124	5.26	0.000	.0069002	.0154284
tsd_vrpr_miss	.0005805	.0018854	0.31	0.759	-.0032046	.0043655
pdcgrou2	.0007315	.0017364	0.42	0.675	-.0027545	.0042175
pdcgrou3	.0044316	.001649	2.69	0.010	.001121	.0077421
pdcgrou4	.0030885	.0011108	2.78	0.008	.0008585	.0053185
pdcgrou5	-.0115453	.0042224	-2.73	0.009	-.0200221	-.0030684
cohort2000	-.0035294	.0015746	-2.24	0.029	-.0066905	-.0003684
cohort2001	-.0029427	.0025514	-1.15	0.254	-.0080648	.0021795
cohort2002	-.0039638	.0041685	-0.95	0.346	-.0123324	.0044048
cohort2003	.0007806	.0049305	0.16	0.875	-.0091178	.010679
cohort2004	.027747	.0084434	3.29	0.002	.0107962	.0446979
award_b4_tsd	-.0094314	.0069737	-1.35	0.182	-.0234317	.0045688
diaward_tsd	-.0004413	.0001393	-3.17	0.003	-.0007209	-.0001616
epeb4twp_flag	.0580421	.0360313	1.61	0.113	-.0142938	.1303779
ldwb4twp_flag	-.0050203	.0165405	-0.30	0.763	-.0382269	.0281862
ldwb4epe_flag	.096499	.026935	3.58	0.001	.0424247	.1505733
twpb4tsd	.206825	.0094633	21.86	0.000	.1878267	.2258232
epeb4tsd	-.0876976	.0108903	-8.05	0.000	-.1095609	-.0658344
ldwb4tsd	-.0465787	.0045607	-10.21	0.000	-.0557347	-.0374227
st_AL	.0156114	.00511	3.06	0.004	.0053526	.0258702
st_AR	.0097833	.0037266	2.63	0.011	.0023018	.0172647
st_AZ	.0146606	.0050652	2.89	0.006	.0044919	.0248293
st_CA	.0219265	.0028867	7.60	0.000	.0161313	.0277217
st_CO	.0119542	.004119	2.90	0.005	.003685	.0202234
st_CT	.0418028	.0053074	7.88	0.000	.0311478	.0524578
st_DC	.0438614	.0019659	22.31	0.000	.0399148	.0478081
st_DE	-.0016047	.007253	-0.22	0.826	-.0161658	.0129564
st_FL	.0090066	.0058911	1.53	0.132	-.0028202	.0208334
st_GA	.0055701	.0059973	0.93	0.357	-.00647	.0176103
st_HI	.0129998	.0093878	1.38	0.172	-.005847	.0318466
st_IA	-.0179356	.0058078	-3.09	0.003	-.0295952	-.0062761
st_ID	.0178616	.0059568	3.00	0.004	.0059029	.0298203
st_IL	.005164	.0026881	1.92	0.060	-.0002325	.0105605
st_IN	-.0053632	.0045685	-1.17	0.246	-.0145347	.0038084
st_KS	.0098809	.0039149	2.52	0.015	.0020213	.0177405
st_KY	.0006495	.0039084	0.17	0.869	-.0071969	.0084959
st_LA	.0067074	.0039727	1.69	0.097	-.0012682	.0146831
st_MA	-.0038849	.0045963	-0.85	0.402	-.0131124	.0053425
st_MD	.0256895	.0066321	3.87	0.000	.0123749	.0390041
st_ME	.0236135	.0058291	4.05	0.000	.0119112	.0353158
st_MI	.0082249	.0013766	5.97	0.000	.0054612	.0109886
st_MN	.0246563	.0057831	4.26	0.000	.0130462	.0362663
st_MO	.0013701	.0038222	0.36	0.721	-.0063032	.0090434
st_MS	.0002351	.0032131	0.07	0.942	-.0062154	.0066856
st_MT	.0132528	.0072223	1.83	0.072	-.0012466	.0277523
st_NC	.014061	.004098	3.43	0.001	.0058339	.0222881
st_ND	-.038964	.0093207	-4.18	0.000	-.0576761	-.0202519
st_NE	.0140521	.0073069	1.92	0.060	-.000617	.0287213
st_NH	.0267041	.0074115	3.60	0.001	.011825	.0415832
st_NJ	.0233537	.0052408	4.46	0.000	.0128325	.033875
st_NM	-.0028698	.0042453	-0.68	0.502	-.0113927	.0056531
st_NV	.0178383	.0063577	2.81	0.007	.0050748	.0306018
st_NY	.0012972	.0034951	0.37	0.712	-.0057195	.008314
st_OH	.0184184	.0029585	6.23	0.000	.0124789	.024358
st_OK	.0138815	.0052036	2.67	0.010	.0034348	.0243283
st_OR	-.0153251	.0011504	-13.32	0.000	-.0176346	-.0130156

st_PA	.0202693	.0042651	4.75	0.000	.0117069	.0288318
st_PR	.0130571	.0061635	2.12	0.039	.0006832	.0254309
st_RI	.0299982	.0046792	6.41	0.000	.0206043	.0393921
st_SC	.0051201	.0016248	3.15	0.003	.0018581	.0083821
st_SD	-.0196031	.0071684	-2.73	0.009	-.0339942	-.005212
st_TN	.0015334	.0042907	0.36	0.722	-.0070806	.0101474
st_TX	.0188288	.0033578	5.61	0.000	.0120878	.0255699
st_UT	.0204599	.0049882	4.10	0.000	.0104457	.0304741
st_VA	.0028399	.0075278	0.38	0.708	-.0122729	.0179526
st_VT	.0014677	.0072782	0.20	0.841	-.013144	.0160793
st_WA	.0225518	.0026733	8.44	0.000	.017185	.0279187
st_WI	.0102809	.0048841	2.10	0.040	.0004757	.020086
st_WV	.0121904	.0045593	2.67	0.010	.0030372	.0213436
st_WY	.0271321	.0072916	3.72	0.000	.0124936	.0417706
tsd_unemp_mean	-.0005271	.0020208	-0.26	0.795	-.004584	.0035298
tsd_unemp_cng	.0013199	.0016981	0.78	0.441	-.0020891	.004729
pial	-.0000134	4.76e-06	-2.81	0.007	-.0000229	-3.81e-06
pia_miss	-.0156705	.0049108	-3.19	0.002	-.0255294	-.0058116
ime1	4.47e-06	1.42e-06	3.15	0.003	1.62e-06	7.32e-06
ime_miss	-.0021533	.0020892	-1.03	0.308	-.0063475	.0020408
_cons	.0371788	.0174881	2.13	0.038	.0020699	.0722877

(1) motoimm = 0

F(1, 51) = 0.26
 Prob > F = 0.6153

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(46, 51) = .
 Prob > F = .
 R-squared = 0.1288
 Root MSE = .20389

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.000191	.000212	-0.90	0.372	-.0006167	.0002347
male	.0019267	.0015996	1.20	0.234	-.0012846	.005138
gendermiss_flag	-.0290634	.0054283	-5.35	0.000	-.039961	-.0181657
tsd_age	-.0010352	.0001325	-7.81	0.000	-.0013013	-.0007691
doage2	-.0003609	.000166	-2.17	0.034	-.0006941	-.0000277
doage2miss_flag	-.0953247	.0113111	-8.43	0.000	-.1180328	-.0726167
race_a	.0045633	.0035787	1.28	0.208	-.0026213	.0117479
race_b	.0108645	.0024977	4.35	0.000	.0058501	.0158789
race_h	.0011465	.0010883	1.05	0.297	-.0010383	.0033313
race_i	-.0088599	.0074806	-1.18	0.242	-.0238778	.0061579
race_o	.0102558	.0060385	1.70	0.096	-.001867	.0223785
race_mis	-.0005281	.0044184	-0.12	0.905	-.0093985	.0083423
tsd_edu_hs	.003218	.001498	2.15	0.036	.0002106	.0062254
tsd_edu_mrhs	.0154204	.0017825	8.65	0.000	.0118419	.018999
tsd_edu_mis	.0101606	.0019159	5.30	0.000	.0063143	.0140069
tsd_mie_exp	.0017004	.003866	0.44	0.662	-.006061	.0094618
tsd_mie_mis	-.0093994	.0025321	-3.71	0.001	-.0144828	-.004316
tsd_mie_psbl	-.0072779	.0013826	-5.26	0.000	-.0100536	-.0045022
tsd_medicare	-.0151632	.00231	-6.56	0.000	-.0198008	-.0105256
tsd_medicare_miss	-.0434254	.0047291	-9.18	0.000	-.0529194	-.0339314

tsd_depend_1	-.0036647	.001748	-2.10	0.041	-.007174	-.0001555
tsd_depend_2	-.0027962	.0016872	-1.66	0.104	-.0061835	.0005911
tsd_depend_miss	-.0211134	.0061196	-3.45	0.001	-.0333991	-.0088278
tsd_vrpr	.0031863	.0042574	0.75	0.458	-.0053608	.0117333
tsd_vrpr_miss	-.0253297	.0045296	-5.59	0.000	-.0344233	-.0162362
pdcgrou2	-.0054294	.0021228	-2.56	0.014	-.0096912	-.0011676
pdcgrou3	.0032698	.0014194	2.30	0.025	.0004202	.0061194
pdcgrou4	-.0000569	.0014751	-0.04	0.969	-.0030183	.0029046
pdcgrou5	-.0026228	.0130664	-0.20	0.842	-.0288546	.0236091
cohort2000	-.0092287	.0022233	-4.15	0.000	-.0136922	-.0047652
cohort2001	-.0140879	.0038825	-3.63	0.001	-.0218825	-.0062934
cohort2002	-.0172194	.0057737	-2.98	0.004	-.0288105	-.0056282
cohort2003	-.0109233	.0072602	-1.50	0.139	-.0254989	.0036522
cohort2004	.0479591	.0140146	3.42	0.001	.0198236	.0760945
award_b4_tsd	-.0129089	.0119206	-1.08	0.284	-.0368405	.0110226
diaward_tsd	-.000978	.0002242	-4.36	0.000	-.0014281	-.0005279
epeb4twp_flag	.07656	.0499982	1.53	0.132	-.0238155	.1769356
ldwb4twp_flag	-.0113236	.0235252	-0.48	0.632	-.0585525	.0359052
ldwb4epe_flag	.2541691	.034293	7.41	0.000	.1853231	.3230151
twpb4tsd	.2731419	.0096395	28.34	0.000	.2537897	.2924941
epeb4tsd	-.1316936	.0133457	-9.87	0.000	-.1584863	-.1049009
ldwb4tsd	-.0757176	.0053834	-14.06	0.000	-.0865253	-.0649099
st_AL	.0442942	.0058685	7.55	0.000	.0325127	.0560758
st_AR	.0426032	.0042803	9.95	0.000	.0340101	.0511963
st_AZ	.0333378	.0059256	5.63	0.000	.0214416	.045234
st_CA	.0560578	.0033285	16.84	0.000	.0493756	.0627401
st_CO	.0429229	.0045345	9.47	0.000	.0338195	.0520264
st_CT	.0879655	.0060125	14.63	0.000	.075895	.1000361
st_DC	.0484367	.0028051	17.27	0.000	.0428052	.0540682
st_DE	.003284	.0081918	0.40	0.690	-.0131617	.0197298
st_FL	.0245296	.0066618	3.68	0.001	.0111555	.0379037
st_GA	.053743	.0063307	8.49	0.000	.0410336	.0664525
st_HI	.0549786	.0104259	5.27	0.000	.0340477	.0759094
st_IA	.0298265	.0065569	4.55	0.000	.0166629	.0429902
st_ID	.0517438	.0067592	7.66	0.000	.0381742	.0653134
st_IL	.0259267	.0031241	8.30	0.000	.0196547	.0321987
st_IN	.0346401	.0051354	6.75	0.000	.0243304	.0449499
st_KS	.0435033	.0043927	9.90	0.000	.0346846	.0523219
st_KY	.0236177	.0046411	5.09	0.000	.0143003	.032935
st_LA	.0325458	.0045522	7.15	0.000	.0234068	.0416847
st_MA	.0214475	.0054908	3.91	0.000	.0104242	.0324707
st_MD	.0614881	.0074704	8.23	0.000	.0464906	.0764857
st_ME	.0628432	.006702	9.38	0.000	.0493883	.0762981
st_MI	.0312467	.0017717	17.64	0.000	.0276899	.0348035
st_MN	.0691888	.0066877	10.35	0.000	.0557627	.082615
st_MO	.0242574	.0041818	5.80	0.000	.0158621	.0326527
st_MS	.0158404	.0031799	4.98	0.000	.0094565	.0222243
st_MT	.0124722	.0083582	1.49	0.142	-.0043076	.029252
st_NC	.040414	.0047603	8.49	0.000	.0308573	.0499707
st_ND	-.0418125	.0104903	-3.99	0.000	-.0628727	-.0207524
st_NE	.0484891	.0082216	5.90	0.000	.0319835	.0649948
st_NH	.0302343	.0085494	3.54	0.001	.0130706	.047398
st_NJ	.0416002	.0060868	6.83	0.000	.0293804	.0538199
st_NM	.0752712	.0048087	15.65	0.000	.0656173	.0849251
st_NV	.0280034	.0073093	3.83	0.000	.0133294	.0426774
st_NY	.0316695	.0042489	7.45	0.000	.0231396	.0401995
st_OH	.0498668	.0033925	14.70	0.000	.0430561	.0566775
st_OK	.03966	.0059371	6.68	0.000	.0277408	.0515791
st_OR	.0065799	.0018543	3.55	0.001	.0028573	.0103025
st_PA	.0528434	.0049193	10.74	0.000	.0429676	.0627193
st_PR	.0310321	.0075931	4.09	0.000	.0157883	.046276
st_RI	.076166	.0051774	14.71	0.000	.0657719	.08656
st_SC	.022635	.002228	10.16	0.000	.018162	.0271079

st_SD	-.0280467	.0098358	-2.85	0.006	-.0477929	-.0083004
st_TN	.0333513	.0049267	6.77	0.000	.0234606	.0432421
st_TX	.0501674	.003826	13.11	0.000	.0424865	.0578483
st_UT	.0513173	.0057152	8.98	0.000	.0398436	.062791
st_VA	.0244542	.0086046	2.84	0.006	.0071798	.0417286
st_VT	.0132943	.0086332	1.54	0.130	-.0040376	.0306261
st_WA	.057909	.0034073	17.00	0.000	.0510686	.0647494
st_WI	.0637437	.0056439	11.29	0.000	.052413	.0750744
st_WV	.0478311	.0053863	8.88	0.000	.0370177	.0586446
st_WY	.0573236	.0081399	7.04	0.000	.0409821	.0736652
tsd_unemp_mean	.0002037	.0023256	0.09	0.931	-.0044651	.0048724
tsd_unemp_cng	.0014418	.0013996	1.03	0.308	-.001368	.0042516
pial	-3.98e-06	5.85e-06	-0.68	0.499	-.0000157	7.76e-06
pia_miss	-.0029562	.0067079	-0.44	0.661	-.0164229	.0105105
ime1	3.49e-06	1.74e-06	2.01	0.050	3.16e-09	6.97e-06
ime_miss	-.0147573	.0031307	-4.71	0.000	-.0210426	-.0084721
_cons	.1014937	.0222642	4.56	0.000	.0567964	.146191

(1) motoimm = 0

F(1, 51) = 0.81
 Prob > F = 0.3719

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_unemp.xls

dir : seeout

Linear regression

Number of obs = 114377
 F(46, 51) = .
 Prob > F = .
 R-squared = 0.1279
 Root MSE = .23783

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0004898	.0002539	-1.93	0.059	-.0009997 .000002
male	.002579	.002286	1.13	0.265	-.0020104 .0071683
gendermiss_flag	-.0442975	.0066334	-6.68	0.000	-.0576147 -.0309803
tsd_age	-.0019365	.0001704	-11.36	0.000	-.0022786 -.0015943
doage2	-.0003514	.0001956	-1.80	0.078	-.0007441 .0000414
doage2miss_flag	-.0881502	.0135356	-6.51	0.000	-.1153241 -.0609762
race_a	.0029929	.0061479	0.49	0.628	-.0093494 .0153353
race_b	.0158869	.0027424	5.79	0.000	.0103814 .0213925
race_h	-.000213	.0010142	-0.21	0.835	-.0022491 .0018232
race_i	.0039706	.0088543	0.45	0.656	-.0138051 .0217463
race_o	.0069016	.0065459	1.05	0.297	-.0062398 .0200431
race_miss	-.0032061	.0060429	-0.53	0.598	-.0153379 .0089256
tsd_edu_hs	.006557	.001664	3.94	0.000	.0032164 .0098975
tsd_edu_mrhs	.0222427	.002063	10.78	0.000	.0181011 .0263843
tsd_edu_mis	.0132921	.0024831	5.35	0.000	.0083071 .0182772
tsd_mie_exp	.0034039	.0051455	0.66	0.511	-.0069262 .013734
tsd_mie_mis	-.0091753	.0034658	-2.65	0.011	-.0161332 -.0022174
tsd_mie_psbl	-.0080139	.0020525	-3.90	0.000	-.0121344 -.0038933
tsd_medicare	-.0206745	.0024898	-8.30	0.000	-.0256729 -.0156761
tsd_medicare_miss	-.05589	.0068556	-8.15	0.000	-.0696533 -.0421268
tsd_depend_1	-.0038573	.0019974	-1.93	0.059	-.0078673 .0001527
tsd_depend_2	-.0020092	.0018993	-1.06	0.295	-.0058222 .0018038
tsd_depend_miss	-.027257	.006785	-4.02	0.000	-.0408784 -.0136356
tsd_vrpr	-.0173202	.0064322	-2.69	0.010	-.0302334 -.0044069

tsd_vrpr_miss	-.0597185	.0070789	-8.44	0.000	-.0739299	-.045507
pdcgroup2	-.0126353	.0029526	-4.28	0.000	-.0185629	-.0067077
pdcgroup3	.0006177	.0022222	0.28	0.782	-.0038436	.005079
pdcgroup4	-.0050502	.0022512	-2.24	0.029	-.0095697	-.0005306
pdcgroup5	-.010707	.0126662	-0.85	0.402	-.0361354	.0147215
cohort2000	-.0154849	.0031639	-4.89	0.000	-.0218368	-.0091331
cohort2001	-.0215901	.0043701	-4.94	0.000	-.0303634	-.0128168
cohort2002	-.0276915	.006939	-3.99	0.000	-.0416221	-.013761
cohort2003	-.0225413	.0079412	-2.84	0.006	-.0384839	-.0065987
cohort2004	.0658374	.01723	3.82	0.000	.0312468	.100428
award_b4_tsd	-.0055398	.0132898	-0.42	0.679	-.0322202	.0211406
diaward_tsd	-.0012142	.0002525	-4.81	0.000	-.0017212	-.0007072
epeb4twp_flag	.0890786	.0575091	1.55	0.128	-.0263756	.2045329
ldwb4twp_flag	-.0205354	.0279598	-0.73	0.466	-.076667	.0355962
ldwb4epe_flag	.3733877	.0320357	11.66	0.000	.3090734	.437702
twpb4tsd	.2988818	.0089801	33.28	0.000	.2808535	.31691
epeb4tsd	-.1639203	.0128468	-12.76	0.000	-.1897113	-.1381293
ldwb4tsd	-.091806	.0056947	-16.12	0.000	-.1032386	-.0803733
st_AL	.0619684	.0069234	8.95	0.000	.0480691	.0758678
st_AR	.0927924	.0056241	16.50	0.000	.0815015	.1040833
st_AZ	.0515085	.0071973	7.16	0.000	.0370594	.0659577
st_CA	.0872639	.0035364	24.68	0.000	.0801643	.0943634
st_CO	.0995542	.0056698	17.56	0.000	.0881716	.1109368
st_CT	.1159611	.0072969	15.89	0.000	.101312	.1306103
st_DC	.060531	.0032264	18.76	0.000	.0540538	.0670082
st_DE	-.005002	.0103828	-0.48	0.632	-.0258463	.0158423
st_FL	.0406198	.0081631	4.98	0.000	.0242317	.0570079
st_GA	.0590162	.0079772	7.40	0.000	.0430013	.0750311
st_HI	.0719408	.0118956	6.05	0.000	.0480594	.0958223
st_IA	.0976494	.00806	12.12	0.000	.0814682	.1138305
st_ID	.0716615	.0078603	9.12	0.000	.0558813	.0874417
st_IL	.0861751	.0042244	20.40	0.000	.0776942	.0946559
st_IN	.0475693	.0066752	7.13	0.000	.0341682	.0609704
st_KS	.0964678	.0054313	17.76	0.000	.085564	.1073715
st_KY	.0517661	.0057602	8.99	0.000	.040202	.0633302
st_LA	.0849696	.005513	15.41	0.000	.0739018	.0960374
st_MA	.0706484	.0068983	10.24	0.000	.0567995	.0844973
st_MD	.0811572	.0088864	9.13	0.000	.063317	.0989975
st_ME	.0873593	.0080518	10.85	0.000	.0711945	.103524
st_MI	.0641148	.002239	28.64	0.000	.0596198	.0686097
st_MN	.0923223	.0080646	11.45	0.000	.0761318	.1085127
st_MO	.0585338	.0053304	10.98	0.000	.0478326	.0692351
st_MS	.0479484	.0044342	10.81	0.000	.0390465	.0568504
st_MT	.0021543	.0101849	0.21	0.833	-.0182927	.0226013
st_NC	.062548	.0054254	11.53	0.000	.0516562	.0734399
st_ND	-.0506463	.0123784	-4.09	0.000	-.0754969	-.0257957
st_NE	.065477	.0099355	6.59	0.000	.0455306	.0854234
st_NH	.0846398	.0105791	8.00	0.000	.0634014	.1058783
st_NJ	.0750437	.0073045	10.27	0.000	.0603793	.0897081
st_NM	.1145369	.0058304	19.64	0.000	.1028319	.126242
st_NV	.028269	.008625	3.28	0.002	.0109537	.0455844
st_NY	.0712633	.00499	14.28	0.000	.0612454	.0812813
st_OH	.0729972	.0039888	18.30	0.000	.0649894	.081005
st_OK	.0580551	.0072577	8.00	0.000	.0434847	.0726254
st_OR	.0641853	.0023045	27.85	0.000	.0595588	.0688118
st_PA	.0757952	.0057754	13.12	0.000	.0642006	.0873899
st_PR	.067847	.0099048	6.85	0.000	.0479623	.0877317
st_RI	.1028637	.0058243	17.66	0.000	.0911709	.1145564
st_SC	.0488168	.0029385	16.61	0.000	.0429176	.0547161
st_SD	-.0468808	.0115886	-4.05	0.000	-.0701459	-.0236157
st_TN	.0409916	.0062506	6.56	0.000	.0284429	.0535403
st_TX	.0742474	.0042769	17.36	0.000	.0656612	.0828337
st_UT	.0728748	.0066041	11.03	0.000	.0596165	.086133

st_VA	.0470431	.0103936	4.53	0.000	.026177	.0679092
st_VT	.0547276	.0106267	5.15	0.000	.0333936	.0760616
st_WA	.0870148	.0036494	23.84	0.000	.0796883	.0943413
st_WI	.0936004	.0069835	13.40	0.000	.0795804	.1076204
st_WV	.0680229	.0061544	11.05	0.000	.0556673	.0803785
st_WY	.0649501	.0098353	6.60	0.000	.0452048	.0846953
tsd_unemp_mean	-.0038741	.0027738	-1.40	0.169	-.0094426	.0016945
tsd_unemp_cng	.0011391	.0012585	0.91	0.370	-.0013875	.0036657
pial	3.42e-06	8.12e-06	0.42	0.676	-.0000129	.0000197
pia_miss	.004668	.0090923	0.51	0.610	-.0135855	.0229215
ime1	1.41e-06	1.78e-06	0.79	0.432	-2.17e-06	4.99e-06
ime_miss	-.0284753	.0038197	-7.45	0.000	-.0361437	-.0208069
_cons	.2004833	.030368	6.60	0.000	.1395169	.2614497

(1) motoimm = 0

F(1, 51) = 3.72
 Prob > F = 0.0593

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(46, 51) = .
 Prob > F = .
 R-squared = 0.1235
 Root MSE = .25755

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0005157	.0003038	-1.70	0.096	-.0011256	.0000942
male	.002479	.0021391	1.16	0.252	-.0018156	.0067735
gendermiss_flag	-.0551431	.0081417	-6.77	0.000	-.0714883	-.038798
tsd_age	-.0024431	.0002205	-11.08	0.000	-.0028859	-.0020003
doage2	-.0003144	.0002308	-1.36	0.179	-.0007778	.000149
doage2miss_flag	-.0700907	.0144049	-4.87	0.000	-.0990097	-.0411717
race_a	.0006831	.0084206	0.08	0.936	-.016222	.0175882
race_b	.0165744	.0029445	5.63	0.000	.010663	.0224858
race_h	-.0004884	.0015592	-0.31	0.755	-.0036187	.0026418
race_i	.0059394	.0118642	0.50	0.619	-.0178788	.0297577
race_o	.0058408	.0055954	1.04	0.301	-.0053925	.017074
race_mis	-.0082594	.0063271	-1.31	0.198	-.0209615	.0044428
tsd_edu_hs	.0072835	.0018503	3.94	0.000	.0035689	.010998
tsd_edu_mrhs	.0274132	.0019468	14.08	0.000	.0235048	.0313216
tsd_edu_mis	.0142292	.0027174	5.24	0.000	.0087738	.0196847
tsd_mie_exp	.0045728	.005715	0.80	0.427	-.0069005	.0160462
tsd_mie_mis	-.0097816	.0033226	-2.94	0.005	-.0164519	-.0031113
tsd_mie_psbl	-.0069599	.0017992	-3.87	0.000	-.0105719	-.0033479
tsd_medicare	-.0224069	.0024778	-9.04	0.000	-.0273814	-.0174324
tsd_medicare_miss	-.0677552	.0082767	-8.19	0.000	-.0843715	-.051139
tsd_depend_1	-.0040309	.0021464	-1.88	0.066	-.0083399	.0002782
tsd_depend_2	-.0006636	.0018911	-0.35	0.727	-.0044601	.0031328
tsd_depend_miss	-.0259533	.0069767	-3.72	0.000	-.0399597	-.0119469
tsd_vrpr	-.0330128	.0073195	-4.51	0.000	-.0477072	-.0183183
tsd_vrpr_miss	-.0848293	.0080304	-10.56	0.000	-.1009511	-.0687075
pdcgrou2	-.0163837	.0032542	-5.03	0.000	-.0229167	-.0098507
pdcgrou3	-.0022312	.0022492	-0.99	0.326	-.0067466	.0022842
pdcgrou4	-.0079892	.0026375	-3.03	0.004	-.0132842	-.0026942

pdgroup5	-.0209001	.012765	-1.64	0.108	-.0465268	.0047266
cohort2000	-.0165479	.0038137	-4.34	0.000	-.0242042	-.0088916
cohort2001	-.0243381	.0057852	-4.21	0.000	-.0359525	-.0127238
cohort2002	-.0312098	.0087709	-3.56	0.001	-.048818	-.0136015
cohort2003	-.0274192	.0097416	-2.81	0.007	-.0469762	-.0078622
cohort2004	.0637629	.0213785	2.98	0.004	.0208439	.106682
award_b4_tsd	.003347	.0166781	0.20	0.842	-.0301356	.0368296
diaward_tsd	-.0013872	.0002933	-4.73	0.000	-.001976	-.0007985
epeb4twp_flag	.0924959	.0595604	1.55	0.127	-.0270767	.2120685
ldwb4twp_flag	-.027034	.0294653	-0.92	0.363	-.086188	.0321201
ldwb4epe_flag	.4730827	.0327141	14.46	0.000	.4074063	.5387591
twpb4tsd	.301071	.0087051	34.59	0.000	.2835947	.3185473
epeb4tsd	-.1785204	.0128345	-13.91	0.000	-.2042868	-.1527541
ldwb4tsd	-.0997961	.0059172	-16.87	0.000	-.1116754	-.0879167
st_AL	-.0319094	.0083353	-3.83	0.000	-.0486431	-.0151756
st_AR	-.0008502	.0062475	-0.14	0.892	-.0133927	.0116922
st_AZ	-.0353846	.0082187	-4.31	0.000	-.0518844	-.0188848
st_CA	-.0021683	.004104	-0.53	0.600	-.0104074	.0060708
st_CO	-.0057544	.0063994	-0.90	0.373	-.0186018	.0070929
st_CT	.0391923	.0084022	4.66	0.000	.0223241	.0560604
st_DC	.0086027	.0031908	2.70	0.009	.0021969	.0150085
st_DE	-.0819711	.0117778	-6.96	0.000	-.105616	-.0583262
st_FL	-.0350966	.0092589	-3.79	0.000	-.0536848	-.0165085
st_GA	-.0206371	.0090262	-2.29	0.026	-.0387581	-.0025162
st_HI	-.0159451	.0139162	-1.15	0.257	-.0438831	.011993
st_IA	.0081805	.0093229	0.88	0.384	-.0105359	.026897
st_ID	-.0185223	.0091535	-2.02	0.048	-.0368986	-.000146
st_IL	.0059297	.0045348	1.31	0.197	-.0031744	.0150337
st_IN	-.0509666	.0074399	-6.85	0.000	-.0659027	-.0360304
st_KS	.0284929	.0063992	4.45	0.000	.0156461	.0413398
st_KY	-.0436911	.0065157	-6.71	0.000	-.056772	-.0306103
st_LA	-.0023799	.0064892	-0.37	0.715	-.0154076	.0106477
st_MA	-.012153	.007845	-1.55	0.128	-.0279026	.0035966
st_MD	-.0121814	.010535	-1.16	0.253	-.0333313	.0089685
st_ME	-.0030825	.0094122	-0.33	0.745	-.0219783	.0158132
st_MI	-.0183784	.0022469	-8.18	0.000	-.0228893	-.0138675
st_MN	-5.05e-06	.0093596	-0.00	1.000	-.0187952	.0187851
st_MO	-.0255785	.005992	-4.27	0.000	-.037608	-.0135491
st_MS	-.0442574	.004834	-9.16	0.000	-.0539621	-.0345527
st_MT	-.103341	.0114916	-8.99	0.000	-.1264114	-.0802706
st_NC	-.0333759	.0065785	-5.07	0.000	-.0465828	-.020169
st_ND	-.1526856	.0144849	-10.54	0.000	-.1817653	-.1236059
st_NE	-.0189968	.0115973	-1.64	0.108	-.0422794	.0042859
st_NH	.0262609	.011997	2.19	0.033	.0021759	.0503458
st_NJ	-.0060339	.0085055	-0.71	0.481	-.0231094	.0110417
st_NM	.0465116	.0062317	7.46	0.000	.0340009	.0590223
st_NV	-.0386402	.0100711	-3.84	0.000	-.0588588	-.0184216
st_NY	-.0023469	.0057051	-0.41	0.683	-.0138003	.0091065
st_OH	-.0205692	.0047592	-4.32	0.000	-.0301238	-.0110146
st_OK	-.0278707	.008174	-3.41	0.001	-.0442807	-.0114608
st_OR	.0054912	.0021267	2.58	0.013	.0012218	.0097606
st_PA	-.0125744	.0068595	-1.83	0.073	-.0263455	.0011966
st_PR	-.0362791	.0108835	-3.33	0.002	-.0581286	-.0144295
st_RI	.0139716	.0068119	2.05	0.045	.0002962	.027647
st_SC	-.048859	.003116	-15.68	0.000	-.0551146	-.0426034
st_SD	-.1615722	.012881	-12.54	0.000	-.1874319	-.1357125
st_TN	-.0544281	.0070351	-7.74	0.000	-.0685516	-.0403046
st_TX	-.0174191	.0051094	-3.41	0.001	-.0276767	-.0071615
st_UT	-.0175666	.00793	-2.22	0.031	-.0334869	-.0016464
st_VA	-.0289852	.0121539	-2.38	0.021	-.0533853	-.0045852
st_VT	.0423759	.011957	3.54	0.001	.0183712	.0663806
st_WA	-.006259	.0043613	-1.44	0.157	-.0150147	.0024967
st_WI	.0077613	.00806	0.96	0.340	-.0084198	.0239424

st_WV	-.0228339	.0074387	-3.07	0.003	-.0377677	-.0079001
st_WY	-.0086549	.0115186	-0.75	0.456	-.0317794	.0144696
tsd_unemp_mean	-.0026169	.0031865	-0.82	0.415	-.0090141	.0037804
tsd_unemp_cng	.0012874	.0013756	0.94	0.354	-.0014742	.004049
pial	.000012	.0000112	1.07	0.290	-.0000105	.0000344
pia_miss	.0057107	.0096998	0.59	0.559	-.0137624	.0251837
ime1	-3.72e-07	2.38e-06	-0.16	0.876	-5.15e-06	4.40e-06
ime_miss	-.0334366	.0042595	-7.85	0.000	-.0419879	-.0248853
_cons	.3427865	.0332173	10.32	0.000	.2760999	.409473

(1) motoimm = 0

F(1, 51) = 2.88
 Prob > F = 0.0957

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(46, 51) = .
 Prob > F = .
 R-squared = 0.0185
 Root MSE = .1792

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0001401	.000207	0.68	0.502	-.0002755	.0005557
male	.0022287	.0012916	1.73	0.090	-.0003643	.0048216
gendermiss_flag	-.0293306	.0052226	-5.62	0.000	-.0398154	-.0188458
tsd_age	-.0014119	.0001887	-7.48	0.000	-.0017908	-.001033
doage2	.0001786	.0001599	1.12	0.269	-.0001424	.0004995
doage2miss_flag	.0317151	.0057692	5.50	0.000	.0201329	.0432972
race_a	-.000111	.0033727	-0.03	0.974	-.0068821	.00666
race_b	.0068679	.0014948	4.59	0.000	.0038669	.0098689
race_h	.0005685	.0009443	0.60	0.550	-.0013273	.0024643
race_i	-.0055351	.006584	-0.84	0.404	-.018753	.0076828
race_o	.0102994	.0077423	1.33	0.189	-.0052439	.0258427
race_mis	-.0061805	.0046009	-1.34	0.185	-.0154172	.0030562
tsd_edu_hs	.0025006	.0011108	2.25	0.029	.0002706	.0047305
tsd_edu_mrhs	.0111224	.0017113	6.50	0.000	.0076868	.0145581
tsd_edu_mis	.0037702	.0019461	1.94	0.058	-.0001367	.0076772
tsd_mie_exp	.0175071	.0040142	4.36	0.000	.0094483	.0255659
tsd_mie_mis	-.0010504	.001261	-0.83	0.409	-.0035821	.0014812
tsd_mie_psbl	.0045648	.0009493	4.81	0.000	.002659	.0064705
tsd_medicare	-.0127621	.0023131	-5.52	0.000	-.0174059	-.0081184
tsd_medicare_miss	-.0240204	.00608	-3.95	0.000	-.0362266	-.0118143
tsd_depend_1	-.0022691	.001783	-1.27	0.209	-.0058487	.0013105
tsd_depend_2	-.0003285	.001699	-0.19	0.847	-.0037395	.0030824
tsd_depend_miss	-.0178852	.0047076	-3.80	0.000	-.0273361	-.0084343
tsd_vrpr	-.0187446	.0054577	-3.43	0.001	-.0297015	-.0077878
tsd_vrpr_miss	-.0442915	.0047799	-9.27	0.000	-.0538877	-.0346954
pdcgrou2	-.0111392	.0026956	-4.13	0.000	-.0165509	-.0057276
pdcgrou3	-.007664	.0022969	-3.34	0.002	-.0122752	-.0030528
pdcgrou4	-.0074018	.0021728	-3.41	0.001	-.0117639	-.0030397
pdcgrou5	.0114176	.0114054	1.00	0.322	-.0114797	.0343148
cohort2000	-.0045049	.0019683	-2.29	0.026	-.0084564	-.0005534
cohort2001	-.0058978	.002697	-2.19	0.033	-.0113122	-.0004833
cohort2002	-.0044468	.0037098	-1.20	0.236	-.0118945	.0030009

cohort2003	-.0057797	.0041405	-1.40	0.169	-.0140921	.0025327
cohort2004	.0214383	.0139456	1.54	0.130	-.0065586	.0494353
award_b4_tsd	-.0085595	.009103	-0.94	0.351	-.0268344	.0097155
diaward_tsd	-.0003794	.0001021	-3.71	0.001	-.0005845	-.0001744
epeb4twp_flag	-.0087299	.1280887	-0.07	0.946	-.2658788	.248419
ldwb4twp_flag	.1923876	.0736742	2.61	0.012	.0444806	.3402947
ldwb4epe_flag	.1051806	.0415665	2.53	0.015	.0217324	.1886287
twpb4tsd	-.0119438	.0083243	-1.43	0.157	-.0286555	.0047678
epeb4tsd	-.0230726	.0023712	-9.73	0.000	-.027833	-.0183122
ldwb4tsd	-.0164741	.0027092	-6.08	0.000	-.0219131	-.0110351
st_AL	.0459489	.0061979	7.41	0.000	.0335061	.0583918
st_AR	.0255306	.0051374	4.97	0.000	.0152168	.0358445
st_AZ	.0675227	.0063549	10.63	0.000	.0547648	.0802807
st_CA	.0531801	.0034993	15.20	0.000	.046155	.0602051
st_CO	.0423464	.0050053	8.46	0.000	.0322978	.052395
st_CT	.0911538	.0069924	13.04	0.000	.0771161	.1051916
st_DC	.0622653	.002337	26.64	0.000	.0575736	.066957
st_DE	.040281	.0089792	4.49	0.000	.0222545	.0583074
st_FL	.0304925	.0073277	4.16	0.000	.0157815	.0452035
st_GA	.0303747	.0074744	4.06	0.000	.0153691	.0453803
st_HI	.0613182	.0105496	5.81	0.000	.0401389	.0824975
st_IA	.0732276	.0073726	9.93	0.000	.0584265	.0880287
st_ID	.0579137	.0073297	7.90	0.000	.0431987	.0726287
st_IL	.028735	.0032905	8.73	0.000	.022129	.035341
st_IN	.059381	.0057161	10.39	0.000	.0479054	.0708566
st_KS	.064486	.0052181	12.36	0.000	.0540102	.0749618
st_KY	.0376184	.0048095	7.82	0.000	.027963	.0472738
st_LA	.0581623	.0053265	10.92	0.000	.0474689	.0688557
st_MA	.0484758	.0057023	8.50	0.000	.0370279	.0599238
st_MD	.0563388	.0082073	6.86	0.000	.0398619	.0728157
st_ME	.0566367	.0072868	7.77	0.000	.0420078	.0712657
st_MI	.0486179	.0021521	22.59	0.000	.0442973	.0529385
st_MN	.0557582	.0070738	7.88	0.000	.041557	.0699593
st_MO	.0524882	.0050383	10.42	0.000	.0423734	.0626029
st_MS	.0293913	.0037181	7.90	0.000	.0219269	.0368556
st_MT	.1055294	.0088822	11.88	0.000	.0876977	.1233611
st_NC	.044702	.0050425	8.87	0.000	.0345787	.0548253
st_ND	.0207736	.0112793	1.84	0.071	-.0018705	.0434178
st_NE	.0538471	.009175	5.87	0.000	.0354276	.0722666
st_NH	.0298532	.0090887	3.28	0.002	.0116068	.0480996
st_NJ	.0554017	.0065377	8.47	0.000	.0422766	.0685267
st_NM	.0510913	.0044794	11.41	0.000	.0420986	.0600841
st_NV	.0202294	.0079763	2.54	0.014	.0042163	.0362425
st_NY	.0463765	.0045045	10.30	0.000	.0373333	.0554197
st_OH	.0453308	.0037455	12.10	0.000	.0378113	.0528502
st_OK	.0334835	.0062235	5.38	0.000	.0209893	.0459778
st_OR	.0569473	.0019432	29.31	0.000	.053046	.0608485
st_PA	.0492589	.0053714	9.17	0.000	.0384755	.0600424
st_PR	.0178828	.0075169	2.38	0.021	.002792	.0329737
st_RI	.0618706	.0061247	10.10	0.000	.0495748	.0741664
st_SC	.0186009	.0023418	7.94	0.000	.0138996	.0233022
st_SD	.0016574	.0117794	0.14	0.889	-.0219908	.0253056
st_TN	.0292875	.0053975	5.43	0.000	.0184516	.0401234
st_TX	.0465488	.0038853	11.98	0.000	.0387487	.0543489
st_UT	.049659	.0062567	7.94	0.000	.0370981	.0622199
st_VA	.047944	.0098089	4.89	0.000	.0282517	.0676362
st_VT	.01845	.0093709	1.97	0.054	-.0003629	.0372628
st_WA	.0542221	.0033055	16.40	0.000	.0475861	.0608581
st_WI	.0581347	.0062942	9.24	0.000	.0454986	.0707707
st_WV	.0460717	.0058669	7.85	0.000	.0342934	.0578499
st_WY	.0606419	.0090866	6.67	0.000	.0423998	.0788839
tsd_unemp_mean	.0026284	.0024758	1.06	0.293	-.0023419	.0075987
tsd_unemp_cng	.0004339	.0013576	0.32	0.751	-.0022917	.0031595

pial	.0000112	4.85e-06	2.31	0.025	1.46e-06	.0000209
pia_miss	.0178464	.0053691	3.32	0.002	.0070676	.0286252
ime1	-2.97e-06	1.53e-06	-1.94	0.058	-6.04e-06	1.00e-07
ime_miss	-.0199884	.0027118	-7.37	0.000	-.0254326	-.0145443
_cons	.0752594	.0189309	3.98	0.000	.037254	.1132647

(1) motoimm = 0

F(1, 51) = 0.46
 Prob > F = 0.5017

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(46, 51) = .
 Prob > F = .
 R-squared = 0.0329
 Root MSE = .23331

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0000371	.0002722	-0.14	0.892	-.0005836	.0005094
male	.0008315	.0014666	0.57	0.573	-.0021129	.0037759
gendermiss_flag	-.0526662	.0083165	-6.33	0.000	-.0693622	-.0359701
tsd_age	-.0025441	.0002274	-11.19	0.000	-.0030006	-.0020876
doage2	.0003477	.0002263	1.54	0.131	-.0001066	.000802
doage2miss_flag	.0670828	.0078263	8.57	0.000	.0513708	.0827948
race_a	-.0030392	.0059317	-0.51	0.611	-.0149476	.0088692
race_b	.0119379	.0018693	6.39	0.000	.008185	.0156907
race_h	.0003769	.0016821	0.22	0.824	-.003	.0037539
race_i	.003842	.007775	0.49	0.623	-.0117669	.0194509
race_o	.0143785	.0090837	1.58	0.120	-.0038578	.0326148
race_mis	-.0082396	.006692	-1.23	0.224	-.0216744	.0051952
tsd_edu_hs	.0065266	.0019237	3.39	0.001	.0026647	.0103886
tsd_edu_mrhs	.0189679	.0024558	7.72	0.000	.0140376	.0238982
tsd_edu_mis	.0059088	.0024596	2.40	0.020	.0009709	.0108466
tsd_mie_exp	.0213563	.0050814	4.20	0.000	.0111551	.0315576
tsd_mie_mis	-.0030319	.001992	-1.52	0.134	-.0070309	.0009671
tsd_mie_psbl	.0063335	.0018202	3.48	0.001	.0026794	.0099877
tsd_medicare	-.0199451	.0018733	-10.65	0.000	-.0237059	-.0161843
tsd_medicare_miss	-.0450821	.008653	-5.21	0.000	-.0624537	-.0277105
tsd_depend_1	-.0034445	.0017957	-1.92	0.061	-.0070495	.0001605
tsd_depend_2	.0005555	.0019348	0.29	0.775	-.0033287	.0044397
tsd_depend_miss	-.0244115	.0056299	-4.34	0.000	-.035714	-.0131089
tsd_vrpr	-.0544784	.0081265	-6.70	0.000	-.0707931	-.0381637
tsd_vrpr_miss	-.0979859	.0080285	-12.20	0.000	-.1141039	-.0818679
pdcgrou2	-.020502	.0036283	-5.65	0.000	-.027786	-.0132179
pdcgrou3	-.0110375	.0036626	-3.01	0.004	-.0183905	-.0036845
pdcgrou4	-.0159563	.0033865	-4.71	0.000	-.022755	-.0091576
pdcgrou5	-.0027385	.010777	-0.25	0.800	-.0243742	.0188971
cohort2000	-.0106826	.0026184	-4.08	0.000	-.0159392	-.005426
cohort2001	-.0150049	.004058	-3.70	0.001	-.0231518	-.0068581
cohort2002	-.0187305	.0059179	-3.17	0.003	-.0306111	-.0068499
cohort2003	-.0245561	.0075537	-3.25	0.002	-.0397208	-.0093914
cohort2004	.0329074	.0196791	1.67	0.101	-.0066	.0724148
award_b4_tsd	.0040875	.0127385	0.32	0.750	-.021486	.029661
diaward_tsd	-.0007315	.0001784	-4.10	0.000	-.0010896	-.0003734

epeb4twp_flag	.1887052	.1639138	1.15	0.255	-.1403654	.5177758
ldwb4twp_flag	.1768285	.096142	1.84	0.072	-.0161846	.3698416
ldwb4epe_flag	.2132801	.0409923	5.20	0.000	.1309846	.2955756
twpb4tsd	-.0334357	.0118879	-2.81	0.007	-.0573017	-.0095697
epeb4tsd	-.0427474	.0034619	-12.35	0.000	-.0496974	-.0357973
ldwb4tsd	-.0265368	.0034228	-7.75	0.000	-.0334084	-.0196651
st_AL	-.029473	.0078783	-3.74	0.000	-.0452893	-.0136567
st_AR	-.0161704	.0068097	-2.37	0.021	-.0298414	-.0024994
st_AZ	-.0263897	.0080772	-3.27	0.002	-.0426054	-.0101739
st_CA	-.0118906	.0048991	-2.43	0.019	-.0217259	-.0020554
st_CO	.0146628	.006736	2.18	0.034	.0011398	.0281859
st_CT	.0415395	.0086929	4.78	0.000	.0240878	.0589911
st_DC	-.0317714	.0034198	-9.29	0.000	-.038637	-.0249058
st_DE	-.0693147	.0109463	-6.33	0.000	-.0912903	-.0473392
st_FL	-.0418007	.0091326	-4.58	0.000	-.0601353	-.0234662
st_GA	-.0397997	.0093779	-4.24	0.000	-.0586266	-.0209727
st_HI	-.0088343	.0133834	-0.66	0.512	-.0357027	.0180341
st_IA	.0161441	.0092955	1.74	0.088	-.0025174	.0348056
st_ID	-.0154479	.0091209	-1.69	0.096	-.0337588	.0028631
st_IL	-.0184789	.0046626	-3.96	0.000	-.0278394	-.0091184
st_IN	-.029466	.0073237	-4.02	0.000	-.044169	-.014763
st_KS	.0513763	.0067693	7.59	0.000	.0377863	.0649663
st_KY	-.0474838	.0061781	-7.69	0.000	-.0598868	-.0350809
st_LA	.0173086	.0069673	2.48	0.016	.0033211	.0312961
st_MA	-.000403	.0072164	-0.06	0.956	-.0148904	.0140845
st_MD	-.0195389	.0102239	-1.91	0.062	-.0400642	.0009865
st_ME	-.0069623	.009201	-0.76	0.453	-.0254341	.0115095
st_MI	-.0224302	.0034919	-6.42	0.000	-.0294405	-.0154199
st_MN	-.0124121	.0088934	-1.40	0.169	-.0302664	.0054422
st_MO	-.007578	.0067806	-1.12	0.269	-.0211906	.0060346
st_MS	-.0475605	.0052964	-8.98	0.000	-.0581935	-.0369275
st_MT	.0025892	.0109354	0.24	0.814	-.0193646	.0245429
st_NC	-.0311593	.0064646	-4.82	0.000	-.0441374	-.0181811
st_ND	-.0734361	.0142835	-5.14	0.000	-.1021113	-.0447609
st_NE	-.0083506	.0114509	-0.73	0.469	-.0313393	.0146381
st_NH	.0197369	.0110712	1.78	0.081	-.0024894	.0419631
st_NJ	-.025376	.0082848	-3.06	0.003	-.0420085	-.0087435
st_NM	-.0290807	.0062637	-4.64	0.000	-.0416557	-.0165057
st_NV	-.0540874	.0098441	-5.49	0.000	-.0738502	-.0343245
st_NY	-.0061654	.006023	-1.02	0.311	-.0182571	.0059264
st_OH	-.0284141	.0051686	-5.50	0.000	-.0387905	-.0180377
st_OK	-.0477276	.0082131	-5.81	0.000	-.0642161	-.0312391
st_OR	-.0022376	.0030438	-0.74	0.466	-.0083483	.0038731
st_PA	-.0192871	.0070517	-2.74	0.009	-.033444	-.0051302
st_PR	-.0609747	.0083474	-7.30	0.000	-.0777328	-.0442166
st_RI	-.0034812	.0078313	-0.44	0.659	-.0192032	.0122408
st_SC	-.0716357	.0035062	-20.43	0.000	-.0786746	-.0645968
st_SD	-.1127586	.0139741	-8.07	0.000	-.1408129	-.0847044
st_TN	-.0471462	.0069997	-6.74	0.000	-.0611986	-.0330937
st_TX	-.0242041	.0052054	-4.65	0.000	-.0346545	-.0137537
st_UT	-.0229402	.0079967	-2.87	0.006	-.0389943	-.0068861
st_VA	-.0005912	.0121015	-0.05	0.961	-.024886	.0237035
st_VT	-.0390015	.0116346	-3.35	0.002	-.062359	-.015644
st_WA	-.0142801	.0045192	-3.16	0.003	-.0233527	-.0052074
st_WI	-.0170805	.007865	-2.17	0.035	-.0328703	-.0012908
st_WV	-.0248632	.0076238	-3.26	0.002	-.0401686	-.0095577
st_WY	-.0248787	.0112639	-2.21	0.032	-.047492	-.0022654
tsd_unemp_mean	.0017661	.002863	0.62	0.540	-.0039817	.0075139
tsd_unemp_cng	.0004578	.0021093	0.22	0.829	-.0037768	.0046923
pial	.0000308	6.68e-06	4.62	0.000	.0000174	.0000442
pia_miss	.0362449	.0064081	5.66	0.000	.0233801	.0491097
ime1	-8.73e-06	2.55e-06	-3.42	0.001	-.0000139	-3.60e-06
ime_miss	-.0390375	.0048921	-7.98	0.000	-.0488588	-.0292163

_cons | .2858201 .0200852 14.23 0.000 .2454974 .3261428

(1) motoimm = 0

F(1, 51) = 0.02
 Prob > F = 0.8922

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(46, 51) = .
 Prob > F = .
 R-squared = 0.0426
 Root MSE = .26152

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0003567	.0002329	-1.53	0.132	-.0008243	.0001109
male	.0003205	.001407	0.23	0.821	-.0025043	.0031452
gendermiss_flag	-.0694497	.0106955	-6.49	0.000	-.0909218	-.0479776
tsd_age	-.0032859	.0003002	-10.94	0.000	-.0038887	-.0026832
doage2	.0003968	.000268	1.48	0.145	-.0001411	.0009348
doage2miss_flag	.0947549	.0094654	10.01	0.000	.0757523	.1137574
race_a	-.0051271	.0061131	-0.84	0.406	-.0173997	.0071454
race_b	.0133601	.002466	5.42	0.000	.0084093	.0183108
race_h	-.0006068	.0019997	-0.30	0.763	-.0046215	.0034078
race_i	.010041	.0097663	1.03	0.309	-.0095656	.0296476
race_o	.0157268	.0098966	1.59	0.118	-.0041414	.035595
race_mis	-.0122548	.0068071	-1.80	0.078	-.0259206	.001411
tsd_edu_hs	.0079314	.0027147	2.92	0.005	.0024814	.0133813
tsd_edu_mrhs	.0250937	.0023941	10.48	0.000	.0202873	.0299001
tsd_edu_mis	.0061205	.0024797	2.47	0.017	.0011424	.0110987
tsd_mie_exp	.025927	.0057541	4.51	0.000	.0143753	.0374788
tsd_mie_mis	-.0019355	.0028084	-0.69	0.494	-.0075736	.0037027
tsd_mie_psbl	.0091002	.0024015	3.79	0.000	.004279	.0139214
tsd_medicare	-.0221565	.0021794	-10.17	0.000	-.0265319	-.017781
tsd_medicare_miss	-.0592518	.0094607	-6.26	0.000	-.078245	-.0402585
tsd_depend_1	-.0041486	.0019821	-2.09	0.041	-.0081277	-.0001694
tsd_depend_2	.0028404	.0022321	1.27	0.209	-.0016406	.0073214
tsd_depend_miss	-.0276243	.0058358	-4.73	0.000	-.0393401	-.0159085
tsd_vrpr	-.0795699	.0101393	-7.85	0.000	-.0999254	-.0592143
tsd_vrpr_miss	-.132359	.010615	-12.47	0.000	-.1536695	-.1110486
pdcgrou2	-.0248844	.0041207	-6.04	0.000	-.0331571	-.0166118
pdcgrou3	-.0157029	.0041347	-3.80	0.000	-.0240036	-.0074021
pdcgrou4	-.0212399	.0038542	-5.51	0.000	-.0289775	-.0135023
pdcgrou5	-.0158867	.0101093	-1.57	0.122	-.036182	.0044086
cohort2000	-.0103303	.003212	-3.22	0.002	-.0167787	-.003882
cohort2001	-.0151956	.004229	-3.59	0.001	-.0236855	-.0067056
cohort2002	-.0183718	.0060734	-3.02	0.004	-.0305645	-.006179
cohort2003	-.0256082	.0072984	-3.51	0.001	-.0402603	-.0109562
cohort2004	.0426917	.0211757	2.02	0.049	.0001796	.0852038
award_b4_tsd	.0139704	.0121251	1.15	0.255	-.0103717	.0383125
diaward_tsd	-.0007268	.0001654	-4.40	0.000	-.0010587	-.0003948
epeb4twp_flag	.2943019	.1884245	1.56	0.124	-.083976	.6725798
ldwb4twp_flag	.3482267	.1204694	2.89	0.006	.1063744	.590079
ldwb4epe_flag	.2619703	.0395517	6.62	0.000	.1825669	.3413737
twpb4tsd	-.0535949	.01228	-4.36	0.000	-.0782479	-.0289419

epeb4tsd	-.0532522	.0036363	-14.64	0.000	-.0605524	-.045952
ldwb4tsd	-.0329414	.0033981	-9.69	0.000	-.0397634	-.0261194
st_AL	-.010672	.0067151	-1.59	0.118	-.024153	.0028091
st_AR	.0221338	.0055661	3.98	0.000	.0109594	.0333082
st_AZ	.0064942	.0064769	1.00	0.321	-.0065087	.0194971
st_CA	.0173021	.0042109	4.11	0.000	.0088483	.0257559
st_CO	.0627343	.0055984	11.21	0.000	.051495	.0739737
st_CT	.0803594	.0067826	11.85	0.000	.0667428	.093976
st_DC	.0311079	.0035169	8.85	0.000	.0240474	.0381683
st_DE	-.0726441	.0089573	-8.11	0.000	-.0906267	-.0546615
st_FL	-.013044	.0072472	-1.80	0.078	-.0275935	.0015054
st_GA	-.0074427	.0075301	-0.99	0.328	-.02256	.0076746
st_HI	.0122856	.010693	1.15	0.256	-.0091814	.0337527
st_IA	.0480156	.0074208	6.47	0.000	.0331176	.0629135
st_ID	.0052798	.0075909	0.70	0.490	-.0099596	.0205193
st_IL	.0259446	.0039157	6.63	0.000	.0180836	.0338056
st_IN	-.0141896	.0060708	-2.34	0.023	-.0263772	-.0020019
st_KS	.1163906	.0054097	21.52	0.000	.1055302	.127251
st_KY	-.0188442	.0049007	-3.85	0.000	-.0286828	-.0090056
st_LA	.039562	.0058248	6.79	0.000	.0278682	.0512559
st_MA	.0282935	.005776	4.90	0.000	.0166977	.0398893
st_MD	-.0006014	.0085494	-0.07	0.944	-.0177649	.0165622
st_ME	.0152757	.0076178	2.01	0.050	-.0000177	.0305692
st_MI	.0241772	.0031643	7.64	0.000	.0178246	.0305297
st_MN	.0089655	.0073567	1.22	0.229	-.0058037	.0237347
st_MO	.0284051	.0056745	5.01	0.000	.0170132	.0397971
st_MS	-.030758	.0042302	-7.27	0.000	-.0392505	-.0222656
st_MT	.0037988	.0086801	0.44	0.663	-.0136272	.0212249
st_NC	-.0130658	.0056707	-2.30	0.025	-.0244503	-.0016814
st_ND	-.0684434	.011952	-5.73	0.000	-.0924381	-.0444487
st_NE	.010453	.0092906	1.13	0.266	-.0081986	.0291046
st_NH	.0361533	.0087984	4.11	0.000	.0184897	.0538169
st_NJ	.0029239	.006659	0.44	0.662	-.0104446	.0162925
st_NM	-.0047843	.0050735	-0.94	0.350	-.0149697	.0054011
st_NV	-.0028299	.0077681	-0.36	0.717	-.0184249	.0127652
st_NY	.0416434	.0050043	8.32	0.000	.0315969	.05169
st_OH	-.0073917	.0043691	-1.69	0.097	-.016163	.0013795
st_OK	.0302084	.006772	4.46	0.000	.016613	.0438037
st_OR	.0439721	.0034134	12.88	0.000	.0371193	.0508249
st_PA	.0066996	.0059821	1.12	0.268	-.0053099	.0187092
st_PR	-.0391057	.0073151	-5.35	0.000	-.0537915	-.02442
st_RI	.0199573	.0064011	3.12	0.003	.0071066	.032808
st_SC	-.0494418	.0031156	-15.87	0.000	-.0556966	-.0431871
st_SD	-.0064978	.0115915	-0.56	0.578	-.0297686	.0167731
st_TN	-.0388095	.0057765	-6.72	0.000	-.0504064	-.0272127
st_TX	-6.38e-06	.0045989	-0.00	0.999	-.0092391	.0092263
st_UT	.0006919	.0067612	0.10	0.919	-.0128817	.0142655
st_VA	.022843	.0098178	2.33	0.024	.003133	.0425531
st_VT	-.0390526	.0093776	-4.16	0.000	-.0578789	-.0202263
st_WA	.0144949	.0039651	3.66	0.001	.0065345	.0224552
st_WI	.0179113	.0065591	2.73	0.009	.0047433	.0310793
st_WV	-.0011742	.0065049	-0.18	0.857	-.0142334	.011885
st_WY	.0115991	.0092789	1.25	0.217	-.0070291	.0302272
tsd_unemp_mean	.0003251	.0022942	0.14	0.888	-.0042808	.004931
tsd_unemp_cng	.0017154	.0018464	0.93	0.357	-.0019914	.0054221
pial	.0000423	.0000103	4.09	0.000	.0000216	.0000631
pia_miss	.0410834	.0074911	5.48	0.000	.0260445	.0561224
ime1	-.0000115	3.10e-06	-3.73	0.000	-.0000178	-5.33e-06
ime_miss	-.0475047	.0047546	-9.99	0.000	-.0570499	-.0379595
_cons	.3463712	.0201691	17.17	0.000	.3058801	.3868624

(1) motoimm = 0

F(1, 51) = 2.35
 Prob > F = 0.1318

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(46, 51) = .
 Prob > F = .
 R-squared = 0.0481
 Root MSE = .27664

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0003035	.0002214	-1.37	0.176	-.0007481	.000141
male	-.0003459	.001845	-0.19	0.852	-.0040499	.003358
gendermiss_flag	-.0795232	.0121492	-6.55	0.000	-.1039138	-.0551327
tsd_age	-.0037438	.0003516	-10.65	0.000	-.0044497	-.0030379
doage2	.0003518	.000302	1.16	0.249	-.0002545	.0009581
doage2miss_flag	.1124155	.0106002	10.61	0.000	.0911348	.1336963
race_a	-.0083146	.0071159	-1.17	0.248	-.0226004	.0059713
race_b	.0159609	.0024405	6.54	0.000	.0110614	.0208604
race_h	.0003082	.0025833	0.12	0.906	-.0048781	.0054944
race_i	.0009813	.0095168	0.10	0.918	-.0181244	.0200871
race_o	.0142284	.0101377	1.40	0.167	-.0061239	.0345808
race_mis	-.0151669	.0073151	-2.07	0.043	-.0298525	-.0004813
tsd_edu_hs	.0095375	.0027419	3.48	0.001	.0040329	.0150421
tsd_edu_mrhs	.028439	.0024821	11.46	0.000	.023456	.033422
tsd_edu_mis	.0067467	.0029136	2.32	0.025	.0008973	.0125961
tsd_mie_exp	.027173	.0055817	4.87	0.000	.0159673	.0383787
tsd_mie_mis	.0003244	.0030051	0.11	0.914	-.0057086	.0063573
tsd_mie_psbl	.011712	.0024823	4.72	0.000	.0067285	.0166955
tsd_medicare	-.0243094	.0021703	-11.20	0.000	-.0286664	-.0199524
tsd_medicare_miss	-.067459	.0101107	-6.67	0.000	-.0877571	-.0471608
tsd_depend_1	-.0047403	.0022325	-2.12	0.039	-.0092223	-.0002583
tsd_depend_2	.0027241	.0025579	1.06	0.292	-.0024111	.0078593
tsd_depend_miss	-.0293369	.0071811	-4.09	0.000	-.0437536	-.0149202
tsd_vrpr	-.0883194	.009864	-8.95	0.000	-.1081221	-.0685167
tsd_vrpr_miss	-.14476	.0102919	-14.07	0.000	-.1654219	-.1240981
pdcgrou2	-.029307	.0046571	-6.29	0.000	-.0386566	-.0199575
pdcgrou3	-.0177454	.004262	-4.16	0.000	-.0263017	-.009189
pdcgrou4	-.0237225	.0040794	-5.82	0.000	-.0319123	-.0155327
pdcgrou5	-.0236979	.0095527	-2.48	0.016	-.0428758	-.0045199
cohort2000	-.0119922	.0034707	-3.46	0.001	-.0189599	-.0050244
cohort2001	-.0171732	.0043492	-3.95	0.000	-.0259045	-.0084418
cohort2002	-.0215005	.005341	-4.03	0.000	-.032223	-.010778
cohort2003	-.0287487	.0061941	-4.64	0.000	-.0411838	-.0163136
cohort2004	.052195	.0242121	2.16	0.036	.0035871	.1008028
award_b4_tsd	.0062983	.0149507	0.42	0.675	-.0237166	.0363131
diaward_tsd	-.0007386	.0001382	-5.35	0.000	-.001016	-.0004612
epeb4twp_flag	.3392333	.1860223	1.82	0.074	-.0342221	.7126886
ldwb4twp_flag	.6442027	.0841059	7.66	0.000	.475353	.8130525
ldwb4epe_flag	.2790957	.0381599	7.31	0.000	.2024866	.3557049
twpb4tsd	-.0659352	.012313	-5.35	0.000	-.0906545	-.0412158
epeb4tsd	-.0595159	.0039393	-15.11	0.000	-.0674243	-.0516075
ldwb4tsd	-.0373866	.00338	-11.06	0.000	-.0441721	-.030601
st_AL	-.0038589	.0066181	-0.58	0.562	-.0171453	.0094276
st_AR	.0349304	.0055906	6.25	0.000	.0237068	.0461541

st_AZ	.0476622	.0066265	7.19	0.000	.0343589	.0609654
st_CA	.0313266	.004208	7.44	0.000	.0228786	.0397745
st_CO	.0647913	.0054549	11.88	0.000	.0538402	.0757424
st_CT	.1079049	.007093	15.21	0.000	.093665	.1221447
st_DC	.0359512	.0035348	10.17	0.000	.0288548	.0430475
st_DE	-.0455365	.0091295	-4.99	0.000	-.0638647	-.0272082
st_FL	.0254741	.007376	3.45	0.001	.0106662	.040282
st_GA	.0103859	.0076074	1.37	0.178	-.0048866	.0256585
st_HI	.0266777	.0112946	2.36	0.022	.0040029	.0493525
st_IA	.062663	.0077627	8.07	0.000	.0470788	.0782473
st_ID	.0140323	.0075476	1.86	0.069	-.0011202	.0291848
st_IL	.0670446	.0039657	16.91	0.000	.059083	.0750061
st_IN	.0132859	.0059785	2.22	0.031	.0012836	.0252882
st_KS	.1412232	.0055637	25.38	0.000	.1300536	.1523929
st_KY	-.013875	.0047777	-2.90	0.005	-.0234666	-.0042834
st_LA	.0656015	.0058519	11.21	0.000	.0538532	.0773497
st_MA	.0806583	.005922	13.62	0.000	.0687695	.0925471
st_MD	.0042802	.0089268	0.48	0.634	-.0136411	.0222016
st_ME	.0286623	.0076763	3.73	0.000	.0132514	.0440732
st_MI	.0433398	.0033122	13.08	0.000	.0366902	.0499894
st_MN	.0205892	.0074838	2.75	0.008	.0055649	.0356136
st_MO	.0647202	.005688	11.38	0.000	.053301	.0761394
st_MS	-.0161382	.0043672	-3.70	0.001	-.0249058	-.0073705
st_MT	.0032424	.0090387	0.36	0.721	-.0149035	.0213882
st_NC	-.0041572	.0055177	-0.75	0.455	-.0152344	.0069199
st_ND	-.0673461	.0123413	-5.46	0.000	-.0921222	-.04257
st_NE	.0248004	.0096535	2.57	0.013	.0054202	.0441805
st_NH	.065834	.0090065	7.31	0.000	.0477526	.0839154
st_NJ	.0200729	.0068135	2.95	0.005	.0063943	.0337515
st_NM	.0173702	.0052473	3.31	0.002	.0068359	.0279045
st_NV	-.0029079	.0081689	-0.36	0.723	-.0193077	.0134919
st_NY	.0667942	.005041	13.25	0.000	.0566739	.0769145
st_OH	.003482	.0043381	0.80	0.426	-.0052271	.0121911
st_OK	.068017	.0065683	10.36	0.000	.0548305	.0812034
st_OR	.0976431	.0038565	25.32	0.000	.0899009	.1053853
st_PA	.0204298	.0059993	3.41	0.001	.0083856	.0324739
st_PR	-.0286867	.0085426	-3.36	0.001	-.0458368	-.0115366
st_RI	.0358128	.00638	5.61	0.000	.0230045	.0486211
st_SC	-.0436115	.0032092	-13.59	0.000	-.0500542	-.0371687
st_SD	-.0092435	.0117497	-0.79	0.435	-.032832	.014345
st_TN	-.0292579	.0057048	-5.13	0.000	-.0407107	-.0178052
st_TX	.0112166	.0045891	2.44	0.018	.0020035	.0204296
st_UT	.0148199	.0068988	2.15	0.036	.00097	.0286698
st_VA	.0322296	.0101321	3.18	0.002	.0118885	.0525706
st_VT	-.0405882	.0095237	-4.26	0.000	-.0597077	-.0214687
st_WA	.031423	.0039881	7.88	0.000	.0234166	.0394293
st_WI	.037637	.0065941	5.71	0.000	.0243988	.0508753
st_WV	.0061239	.006454	0.95	0.347	-.006833	.0190808
st_WY	.0120986	.0095755	1.26	0.212	-.007125	.0313223
tsd_unemp_mean	-.0006877	.0024615	-0.28	0.781	-.0056295	.004254
tsd_unemp_cng	.0012483	.0018922	0.66	0.512	-.0025505	.005047
pia1	.0000462	9.01e-06	5.13	0.000	.0000281	.0000643
pia_miss	.0408023	.0077306	5.28	0.000	.0252825	.056322
ime1	-.0000127	2.86e-06	-4.45	0.000	-.0000185	-6.99e-06
ime_miss	-.0526209	.0051265	-10.26	0.000	-.0629129	-.042329
_cons	.3834631	.0205815	18.63	0.000	.342144	.4247823

(1) motoimm = 0

F(1, 51) = 1.88
 Prob > F = 0.1764

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
PM_PH3_unemp.xls
dir : seeout

Linear regression

Number of obs = 114377
F(46, 51) = .
Prob > F = .
R-squared = 0.2938
Root MSE = .13309

(Std. Err. adjusted for 52 clusters in tsd_state)

-----		Robust				-----	
-----	srvroll12	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
-----	-----	-----	-----	-----	-----	-----	-----
	motoimm	-.0006954	.0001656	-4.20	0.000	-.0010279	-.000363
	male	.0007827	.0009328	0.84	0.405	-.0010899	.0026553
	gendermiss_flag	.1907155	.1418093	1.34	0.185	-.0939785	.4754096
	tsd_age	-.0001999	.000122	-1.64	0.107	-.0004448	.0000449
	doage2	-.0000377	.0000922	-0.41	0.684	-.0002229	.0001474
	doage2miss_flag	-.0000609	.0029159	-0.02	0.983	-.0059149	.0057931
	race_a	-.0008132	.0019655	-0.41	0.681	-.004759	.0031326
	race_b	.0023491	.0011013	2.13	0.038	.0001381	.0045602
	race_h	-.0006436	.0012934	-0.50	0.621	-.0032402	.0019531
	race_i	-.0066583	.0049518	-1.34	0.185	-.0165994	.0032828
	race_o	-.0030538	.0018961	-1.61	0.113	-.0068604	.0007528
	race_mis	-.0016116	.0028592	-0.56	0.575	-.0073517	.0041285
	tsd_edu_hs	.0015574	.0010273	1.52	0.136	-.000505	.0036198
	tsd_edu_mrhs	.007205	.0018607	3.87	0.000	.0034695	.0109406
	tsd_edu_mis	.0022294	.0012892	1.73	0.090	-.0003589	.0048177
	tsd_mie_exp	.0006603	.0032099	0.21	0.838	-.0057837	.0071044
	tsd_mie_mis	-.0000912	.0020574	-0.04	0.965	-.0042216	.0040391
	tsd_mie_psbl	.001156	.0013182	0.88	0.385	-.0014904	.0038023
	tsd_medicare	-.0024439	.0012721	-1.92	0.060	-.0049979	.00011
	tsd_medicare_miss	-.0049782	.0036711	-1.36	0.181	-.0123482	.0023918
	tsd_depend_1	-.0006656	.0009038	-0.74	0.465	-.0024801	.0011488
	tsd_depend_2	-.0017222	.000707	-2.44	0.018	-.0031415	-.000303
	tsd_depend_miss	-.0036348	.0038473	-0.94	0.349	-.0113585	.0040889
	tsd_vrpr	-.4527983	.012963	-34.93	0.000	-.4788226	-.426774
	tsd_vrpr_miss	-.476534	.0121383	-39.26	0.000	-.5009026	-.4521654
	pdcgroup2	-.0020622	.0016565	-1.24	0.219	-.0053878	.0012634
	pdcgroup3	-.0009598	.0018356	-0.52	0.603	-.004645	.0027254
	pdcgroup4	.0007485	.0013562	0.55	0.583	-.0019742	.0034713
	pdcgroup5	-.0050959	.0098961	-0.51	0.609	-.0249632	.0147714
	cohort2000	-.0009263	.0017594	-0.53	0.601	-.0044585	.002606
	cohort2001	-.0002843	.0025854	-0.11	0.913	-.0054747	.0049061
	cohort2002	-.0023221	.0044028	-0.53	0.600	-.0111611	.0065169
	cohort2003	-.0010736	.0051392	-0.21	0.835	-.011391	.0092439
	cohort2004	-.0144545	.0079238	-1.82	0.074	-.0303623	.0014532
	award_b4_tsd	-.0021415	.0046201	-0.46	0.645	-.0114167	.0071338
	diaward_tsd	-.0000797	.0001266	-0.63	0.532	-.0003338	.0001745
	epeb4twp_flag	-.0718773	.0510879	-1.41	0.166	-.1744405	.030686
	ldwb4twp_flag	.0093637	.0153381	0.61	0.544	-.0214289	.0401563
	ldwb4epe_flag	-.0019956	.018124	-0.11	0.913	-.0383809	.0343898
	twpb4tsd	.0030497	.0020087	1.52	0.135	-.000983	.0070824
	epeb4tsd	.0054445	.002227	2.44	0.018	.0009736	.0099154
	ldwb4tsd	-.0077743	.0029484	-2.64	0.011	-.0136935	-.0018551
	st_AL	-.0497984	.0058069	-8.58	0.000	-.0614563	-.0381406
	st_AR	-.0607135	.0045182	-13.44	0.000	-.0697841	-.0516429
	st_AZ	-.041675	.0058272	-7.15	0.000	-.0533735	-.0299764
	st_CA	-.0517966	.003172	-16.33	0.000	-.0581647	-.0454286
	st_CO	-.0328837	.0045085	-7.29	0.000	-.0419348	-.0238325

st_CT	-.0542278	.0059736	-9.08	0.000	-.0662204	-.0422353
st_DC	-.0674178	.0021497	-31.36	0.000	-.0717335	-.0631022
st_DE	-.0492651	.0082096	-6.00	0.000	-.0657466	-.0327835
st_FL	-.0637563	.006546	-9.74	0.000	-.0768979	-.0506147
st_GA	-.0691447	.006425	-10.76	0.000	-.0820435	-.0562459
st_HI	-.0610169	.009646	-6.33	0.000	-.080382	-.0416517
st_IA	-.070335	.006559	-10.72	0.000	-.0835028	-.0571672
st_ID	-.0475196	.0065701	-7.23	0.000	-.0607096	-.0343297
st_IL	-.0493802	.0032121	-15.37	0.000	-.0558287	-.0429318
st_IN	-.0569916	.0050866	-11.20	0.000	-.0672033	-.0467799
st_KS	-.0549369	.0046039	-11.93	0.000	-.0641795	-.0456942
st_KY	-.0626214	.004661	-13.44	0.000	-.0719788	-.053264
st_LA	-.0652487	.0048251	-13.52	0.000	-.0749355	-.0555618
st_MA	-.0514621	.0053944	-9.54	0.000	-.0622917	-.0406324
st_MD	-.0571497	.0072081	-7.93	0.000	-.0716205	-.0426789
st_ME	-.0458106	.0066691	-6.87	0.000	-.0591994	-.0324218
st_MI	-.0567269	.0018555	-30.57	0.000	-.060452	-.0530018
st_MN	-.054531	.0065868	-8.28	0.000	-.0677546	-.0413073
st_MO	-.054956	.0040977	-13.41	0.000	-.0631825	-.0467295
st_MS	-.0648465	.0032241	-20.11	0.000	-.0713192	-.0583738
st_MT	-.0410349	.0076749	-5.35	0.000	-.0564429	-.025627
st_NC	-.057847	.0047036	-12.30	0.000	-.0672898	-.0484042
st_ND	-.0733998	.0092738	-7.91	0.000	-.0920177	-.0547818
st_NE	-.0492462	.0080636	-6.11	0.000	-.0654345	-.0330579
st_NH	-.0944513	.0082472	-11.45	0.000	-.1110083	-.0778943
st_NJ	-.0582055	.0060339	-9.65	0.000	-.070319	-.046092
st_NM	-.0440868	.0042217	-10.44	0.000	-.0525622	-.0356113
st_NV	-.0663796	.0072093	-9.21	0.000	-.0808528	-.0519064
st_NY	-.0406102	.0042204	-9.62	0.000	-.0490829	-.0321374
st_OH	-.0458736	.0033528	-13.68	0.000	-.0526046	-.0391425
st_OK	-.0623865	.0059095	-10.56	0.000	-.0742503	-.0505228
st_OR	-.034032	.0015767	-21.58	0.000	-.0371974	-.0308666
st_PA	-.050636	.0048794	-10.38	0.000	-.0604319	-.0408402
st_PR	-.0497669	.0073112	-6.81	0.000	-.0644448	-.0350891
st_RI	-.0556006	.0051966	-10.70	0.000	-.0660331	-.045168
st_SC	-.0693748	.0021504	-32.26	0.000	-.0736919	-.0650577
st_SD	-.0672496	.0087701	-7.67	0.000	-.0848563	-.0496428
st_TN	-.0476559	.0049969	-9.54	0.000	-.0576876	-.0376242
st_TX	-.0531564	.0035512	-14.97	0.000	-.0602856	-.0460271
st_UT	-.0452691	.0056655	-7.99	0.000	-.0566431	-.0338952
st_VA	-.0620655	.0087723	-7.08	0.000	-.0796767	-.0444544
st_VT	-.0852237	.0088098	-9.67	0.000	-.1029102	-.0675372
st_WA	-.0473841	.0032242	-14.70	0.000	-.0538571	-.0409112
st_WI	-.0553608	.0057628	-9.61	0.000	-.0669302	-.0437914
st_WV	-.0522592	.0054793	-9.54	0.000	-.0632593	-.0412591
st_WY	-.0572907	.0080267	-7.14	0.000	-.073405	-.0411763
tsd_unemp_mean	-.0012391	.0022248	-0.56	0.580	-.0057056	.0032274
tsd_unemp_cng	.0012833	.0012675	1.01	0.316	-.0012613	.0038279
pial	5.95e-06	4.75e-06	1.25	0.216	-3.58e-06	.0000155
pia_miss	.0035776	.0040417	0.89	0.380	-.0045364	.0116916
ime1	-1.69e-06	1.38e-06	-1.23	0.225	-4.46e-06	1.07e-06
ime_miss	-.0027692	.0016959	-1.63	0.109	-.0061738	.0006354
_cons	.5536863	.0243553	22.73	0.000	.504791	.6025816

(1) motoimm = 0

F(1, 51) = 17.63
 Prob > F = 0.0001

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(46, 51) = .
 Prob > F = .
 R-squared = 0.4504
 Root MSE = .14644

(Std. Err. adjusted for 52 clusters in tsd_state)

-----	-----	-----	-----	-----	-----	-----
srvroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	-----
motoimm	-.0003201	.0001697	-1.89	0.065	-.0006607	.0000206
male	.0021294	.0012065	1.76	0.084	-.0002927	.0045515
gendermiss_flag	.1862071	.1410285	1.32	0.193	-.0969193	.4693335
tsd_age	-.0005219	.0001062	-4.91	0.000	-.0007351	-.0003086
doage2	.0000277	.0000612	0.45	0.653	-.0000951	.0001506
doage2miss_flag	-.0031802	.0027654	-1.15	0.256	-.0087319	.0023715
race_a	-.0020906	.002268	-0.92	0.361	-.0066439	.0024627
race_b	.0023886	.001303	1.83	0.073	-.0002274	.0050045
race_h	.000704	.0016647	0.42	0.674	-.002638	.004046
race_i	-.0062587	.0063693	-0.98	0.330	-.0190456	.0065281
race_o	-.0003751	.0022293	-0.17	0.867	-.0048506	.0041004
race_mis	-.0059342	.0028454	-2.09	0.042	-.0116466	-.0002218
tsd_edu_hs	.0045225	.0010086	4.48	0.000	.0024976	.0065473
tsd_edu_mrhs	.0119584	.001753	6.82	0.000	.0084392	.0154776
tsd_edu_mis	.0053192	.0014927	3.56	0.001	.0023224	.0083159
tsd_mie_exp	-.0026638	.0021285	-1.25	0.216	-.006937	.0016093
tsd_mie_mis	-.0030972	.0029258	-1.06	0.295	-.0089709	.0027766
tsd_mie_psbl	-.002734	.002088	-1.31	0.196	-.0069259	.0014579
tsd_medicare	-.0028128	.0013283	-2.12	0.039	-.0054795	-.0001461
tsd_medicare_miss	-.0117332	.0042019	-2.79	0.007	-.0201689	-.0032975
tsd_depend_1	-.0025814	.0008983	-2.87	0.006	-.0043849	-.000778
tsd_depend_2	-.001898	.0007371	-2.57	0.013	-.0033777	-.0004182
tsd_depend_miss	-.0040173	.0059031	-0.68	0.499	-.0158681	.0078336
tsd_vrpr	-.7013596	.0123074	-56.99	0.000	-.7260677	-.6766516
tsd_vrpr_miss	-.73621	.0109587	-67.18	0.000	-.7582107	-.7142094
pdcgrou2	-.0035963	.0018124	-1.98	0.053	-.0072348	.0000421
pdcgrou3	-.0042591	.0018831	-2.26	0.028	-.0080397	-.0004785
pdcgrou4	-.0016244	.0014681	-1.11	0.274	-.0045718	.001323
pdcgrou5	.0004046	.0043431	0.09	0.926	-.0083146	.0091239
cohort2000	-.0002893	.0018918	-0.15	0.879	-.0040874	.0035087
cohort2001	.0001039	.0030387	0.03	0.973	-.0059965	.0062043
cohort2002	-.0014881	.0048875	-0.30	0.762	-.0113001	.008324
cohort2003	-.0006898	.0062786	-0.11	0.913	-.0132946	.0119149
cohort2004	-.0079616	.0091955	-0.87	0.391	-.0264222	.0104991
award_b4_tsd	-.004669	.007332	-0.64	0.527	-.0193886	.0100505
diaward_tsd	-.0001468	.0001465	-1.00	0.321	-.000441	.0001473
epeb4twp_flag	-.1090456	.0796002	-1.37	0.177	-.2688497	.0507586
ldwb4twp_flag	.013264	.0241684	0.55	0.586	-.0352562	.0617841
ldwb4epe_flag	.0021192	.0180295	0.12	0.907	-.0340766	.038315
twpb4tsd	.0019335	.0023975	0.81	0.424	-.0028797	.0067467
epeb4tsd	.0057127	.0022125	2.58	0.013	.001271	.0101544
ldwb4tsd	-.0100411	.0041778	-2.40	0.020	-.0184284	-.0016537
st_AL	-.0142616	.0047229	-3.02	0.004	-.0237432	-.0047799
st_AR	-.0151949	.0037954	-4.00	0.000	-.0228146	-.0075753
st_AZ	.0121326	.0046639	2.60	0.012	.0027694	.0214959
st_CA	-.0146833	.002658	-5.52	0.000	-.0200194	-.0093471
st_CO	-.0059147	.0037585	-1.57	0.122	-.0134602	.0016307
st_CT	-.0243299	.0048096	-5.06	0.000	-.0339857	-.0146742
st_DC	-.0373381	.0022615	-16.51	0.000	-.0418782	-.0327981
st_DE	-.0189656	.0065521	-2.89	0.006	-.0321195	-.0058117
st_FL	-.0284909	.0052514	-5.43	0.000	-.0390335	-.0179484

st_GA	-.0224746	.0052532	-4.28	0.000	-.0330209	-.0119283
st_HI	-.038912	.0079038	-4.92	0.000	-.0547796	-.0230443
st_IA	-.0484813	.0054518	-8.89	0.000	-.0594262	-.0375365
st_ID	-.0157833	.0054621	-2.89	0.006	-.026749	-.0048176
st_IL	-.0001311	.0027062	-0.05	0.962	-.005564	.0053019
st_IN	-.02787	.0042099	-6.62	0.000	-.0363217	-.0194184
st_KS	-.0113561	.0038748	-2.93	0.005	-.0191352	-.003577
st_KY	-.036525	.0038273	-9.54	0.000	-.0442086	-.0288414
st_LA	-.007619	.0038782	-1.96	0.055	-.0154048	.0001667
st_MA	-.0173093	.0043362	-3.99	0.000	-.0260145	-.008604
st_MD	-.0233364	.0058096	-4.02	0.000	-.0349997	-.0116732
st_ME	-.0150276	.0055143	-2.73	0.009	-.026098	-.0039572
st_MI	-.0114559	.0020202	-5.67	0.000	-.0155117	-.0074001
st_MN	-.0201492	.0055174	-3.65	0.001	-.0312258	-.0090727
st_MO	-.0068297	.0035585	-1.92	0.061	-.0139736	.0003142
st_MS	-.0214249	.00298	-7.19	0.000	-.0274075	-.0154424
st_MT	-.007648	.0060431	-1.27	0.211	-.01978	.004484
st_NC	-.028115	.0039177	-7.18	0.000	-.0359801	-.0202499
st_ND	-.0523169	.0080627	-6.49	0.000	-.0685034	-.0361304
st_NE	-.01933	.0065454	-2.95	0.005	-.0324704	-.0061896
st_NH	-.0411326	.0066152	-6.22	0.000	-.0544131	-.0278521
st_NJ	-.0223597	.004792	-4.67	0.000	-.03198	-.0127394
st_NM	-.017592	.0034271	-5.13	0.000	-.0244722	-.0107117
st_NV	-.0377259	.0057816	-6.53	0.000	-.0493329	-.0261189
st_NY	-.0017479	.0034094	-0.51	0.610	-.0085925	.0050966
st_OH	-.012391	.0030429	-4.07	0.000	-.0184999	-.0062821
st_OK	.0008568	.0049004	0.17	0.862	-.0089812	.0106948
st_OR	.0183555	.0012189	15.06	0.000	.0159085	.0208026
st_PA	-.0183559	.004111	-4.47	0.000	-.026609	-.0101027
st_PR	-.0121311	.0060917	-1.99	0.052	-.0243608	.0000986
st_RI	-.0286736	.0044165	-6.49	0.000	-.03754	-.0198072
st_SC	-.0327773	.0020254	-16.18	0.000	-.0368434	-.0287112
st_SD	-.0463351	.0075001	-6.18	0.000	-.0613921	-.0312781
st_TN	.0138178	.0041819	3.30	0.002	.0054222	.0222133
st_TX	-.0218583	.002967	-7.37	0.000	-.0278149	-.0159018
st_UT	-.006124	.0047878	-1.28	0.207	-.0157359	.0034878
st_VA	-.0360631	.0070774	-5.10	0.000	-.0502716	-.0218546
st_VT	-.0729624	.0070523	-10.35	0.000	-.0871205	-.0588043
st_WA	-.0138466	.0027583	-5.02	0.000	-.0193841	-.0083091
st_WI	.0022581	.0048547	0.47	0.644	-.0074881	.0120043
st_WV	-.0214546	.0046074	-4.66	0.000	-.0307044	-.0122048
st_WY	-.0338793	.0066148	-5.12	0.000	-.047159	-.0205995
tsd_unemp_mean	-.0031183	.0017786	-1.75	0.086	-.0066891	.0004524
tsd_unemp_cng	-.0014999	.0010499	-1.43	0.159	-.0036076	.0006079
pial	3.58e-06	6.91e-06	0.52	0.607	-.0000103	.0000175
pia_miss	-.0013753	.0082224	-0.17	0.868	-.0178824	.0151318
ime1	-9.77e-07	1.79e-06	-0.55	0.587	-4.57e-06	2.61e-06
ime_miss	-.0018039	.0028676	-0.63	0.532	-.0075609	.0039531
_cons	.8052024	.0196012	41.08	0.000	.7658514	.8445535

(1) motoimm = 0

F(1, 51) = 3.56
 Prob > F = 0.0649

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(46, 51) = .
 Prob > F = .

R-squared = 0.5502
 Root MSE = .14803

(Std. Err. adjusted for 52 clusters in tsd_state)

-----		Robust				
-----	srvroll36	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]

	motoimm	-.0001774	.0001902	-0.93	0.355	-.0005593 .0002045
	male	.001178	.0011698	1.01	0.319	-.0011704 .0035264
	gendermiss_flag	.1826019	.1418636	1.29	0.204	-.1022012 .467405
	tsd_age	-.0005793	.0001116	-5.19	0.000	-.0008033 -.0003553
	doage2	-8.72e-06	.0000794	-0.11	0.913	-.0001682 .0001507
	doage2miss_flag	-.0109228	.0032968	-3.31	0.002	-.0175413 -.0043042
	race_a	-.0016815	.0028654	-0.59	0.560	-.0074339 .004071
	race_b	.0037426	.0014553	2.57	0.013	.0008209 .0066643
	race_h	.0002631	.0018906	0.14	0.890	-.0035324 .0040586
	race_i	-.0037714	.0054831	-0.69	0.495	-.0147792 .0072364
	race_o	-.000659	.002448	-0.27	0.789	-.0055735 .0042555
	race_mis	-.0063928	.0030479	-2.10	0.041	-.0125117 -.000274
	tsd_edu_hs	.0061825	.0011506	5.37	0.000	.0038725 .0084925
	tsd_edu_mrhs	.0145737	.0021402	6.81	0.000	.0102771 .0188702
	tsd_edu_mis	.0065677	.0016092	4.08	0.000	.003337 .0097983
	tsd_mie_exp	-.00296	.0029558	-1.00	0.321	-.008894 .0029741
	tsd_mie_mis	-.0037844	.0023395	-1.62	0.112	-.0084811 .0009123
	tsd_mie_psbl	-.0033585	.0016711	-2.01	0.050	-.0067134 -3.57e-06
	tsd_medicare	-.0016532	.0015668	-1.06	0.296	-.0047987 .0014924
	tsd_medicare_miss	-.0154697	.0034831	-4.44	0.000	-.0224623 -.0084771
	tsd_depend_1	-.0024144	.0008004	-3.02	0.004	-.0040213 -.0008074
	tsd_depend_2	-.0024843	.0008956	-2.77	0.008	-.0042824 -.0006863
	tsd_depend_miss	-.0068369	.005565	-1.23	0.225	-.0180091 .0043354
	tsd_vrpr	-.8662227	.0088414	-97.97	0.000	-.8839726 -.8484728
	tsd_vrpr_miss	-.9089128	.0063418	-143.32	0.000	-.9216446 -.896181
	pdcgrou2	-.0039856	.0017687	-2.25	0.029	-.0075364 -.0004348
	pdcgrou3	-.0040407	.0016593	-2.44	0.018	-.0073719 -.0007095
	pdcgrou4	-.0009609	.0013187	-0.73	0.470	-.0036083 .0016865
	pdcgrou5	-.0115057	.002563	-4.49	0.000	-.0166512 -.0063602
	cohort2000	-.0031454	.0014604	-2.15	0.036	-.0060773 -.0002136
	cohort2001	-.0032553	.0021728	-1.50	0.140	-.0076173 .0011067
	cohort2002	-.0061306	.0033151	-1.85	0.070	-.0127859 .0005246
	cohort2003	-.0067	.0047451	-1.41	0.164	-.0162261 .0028261
	cohort2004	-.0035024	.0090118	-0.39	0.699	-.0215944 .0145896
	award_b4_tsd	-.0062279	.0076385	-0.82	0.419	-.0215629 .0091071
	diaward_tsd	-.0003333	.000122	-2.73	0.009	-.0005782 -.0000885
	epeb4twp_flag	-.1706421	.0971962	-1.76	0.085	-.3657715 .0244874
	ldwb4twp_flag	.0788136	.0639417	1.23	0.223	-.0495547 .2071819
	ldwb4epe_flag	.0192395	.0138512	1.39	0.171	-.0085679 .0470468
	twpb4tsd	.0038109	.0021247	1.79	0.079	-.0004545 .0080763
	epeb4tsd	.0115928	.0021544	5.38	0.000	.0072676 .015918
	ldwb4tsd	-.0167945	.0041797	-4.02	0.000	-.0251856 -.0084034
	st_AL	.0131576	.0054745	2.40	0.020	.0021671 .0241481
	st_AR	.0148845	.0044369	3.35	0.002	.0059771 .023792
	st_AZ	.0466724	.0057548	8.11	0.000	.0351193 .0582256
	st_CA	.0136174	.0028756	4.74	0.000	.0078444 .0193904
	st_CO	.0149075	.0045204	3.30	0.002	.0058323 .0239826
	st_CT	.0374574	.0057219	6.55	0.000	.0259703 .0489446
	st_DC	-.0184157	.0018267	-10.08	0.000	-.0220829 -.0147485
	st_DE	.0180578	.0086947	2.08	0.043	.0006024 .0355132
	st_FL	.0083551	.0064913	1.29	0.204	-.0046768 .0213869
	st_GA	.0171456	.0061784	2.78	0.008	.004742 .0295492
	st_HI	-.0119626	.0099495	-1.20	0.235	-.031937 .0080119
	st_IA	-.0010101	.0065056	-0.16	0.877	-.0140706 .0120504
	st_ID	.0111516	.0071597	1.56	0.126	-.003222 .0255252

st_IL	.0391764	.0028579	13.71	0.000	.0334389	.0449138
st_IN	.0193606	.0049289	3.93	0.000	.0094654	.0292558
st_KS	.004819	.004325	1.11	0.270	-.0038638	.0135019
st_KY	.0035168	.0043182	0.81	0.419	-.0051525	.012186
st_LA	.0124553	.0043183	2.88	0.006	.003786	.0211246
st_MA	.0264312	.0051887	5.09	0.000	.0160145	.036848
st_MD	.0067086	.0073605	0.91	0.366	-.0080683	.0214855
st_ME	.0091646	.006599	1.39	0.171	-.0040835	.0224128
st_MI	.0195071	.0015676	12.44	0.000	.0163599	.0226543
st_MN	.0115248	.0069994	1.65	0.106	-.0025271	.0255766
st_MO	.0370493	.0039114	9.47	0.000	.0291969	.0449017
st_MS	.0151116	.0024652	6.13	0.000	.0101624	.0200607
st_MT	.0352373	.0081623	4.32	0.000	.0188509	.0516237
st_NC	-.0060562	.0046097	-1.31	0.195	-.0153106	.0031982
st_ND	-.031159	.0107929	-2.89	0.006	-.0528266	-.0094914
st_NE	.0135287	.008316	1.63	0.110	-.0031663	.0302236
st_NH	-.0301549	.0085903	-3.51	0.001	-.0474007	-.0129091
st_NJ	.0053113	.0058754	0.90	0.370	-.006484	.0171066
st_NM	.0217675	.0041404	5.26	0.000	.0134553	.0300796
st_NV	-.0088227	.0070794	-1.25	0.218	-.0230351	.0053897
st_NY	.0323421	.0039454	8.20	0.000	.0244213	.0402629
st_OH	.0151788	.0030814	4.93	0.000	.0089927	.0213649
st_OK	.0222603	.0060494	3.68	0.001	.0101156	.0344051
st_OR	.0337098	.001091	30.90	0.000	.0315195	.0359002
st_PA	.0072157	.004735	1.52	0.134	-.0022902	.0167217
st_PR	.0117079	.0079455	1.47	0.147	-.0042435	.0276592
st_RI	-.0059715	.0052002	-1.15	0.256	-.0164113	.0044682
st_SC	.0015021	.0015827	0.95	0.347	-.0016753	.0046795
st_SD	.0845422	.0092921	9.10	0.000	.0658876	.1031969
st_TN	.0451674	.004665	9.68	0.000	.0358021	.0545327
st_TX	.0040619	.0035027	1.16	0.252	-.00297	.0110938
st_UT	.0262439	.0061139	4.29	0.000	.0139697	.0385182
st_VA	-.0074589	.0086176	-0.87	0.391	-.0247594	.0098417
st_VT	-.012418	.008861	-1.40	0.167	-.0302072	.0053712
st_WA	.0076367	.0030729	2.49	0.016	.0014675	.0138059
st_WI	.0258828	.0059223	4.37	0.000	.0139933	.0377724
st_WV	.000118	.0051581	0.02	0.982	-.0102372	.0104733
st_WY	-.0110802	.0086529	-1.28	0.206	-.0284515	.0062912
tsd_unemp_mean	-.0026042	.0024266	-1.07	0.288	-.0074758	.0022674
tsd_unemp_cng	-.0022175	.0013373	-1.66	0.103	-.0049023	.0004673
pial	-7.23e-06	6.50e-06	-1.11	0.271	-.0000203	5.82e-06
pia_miss	-.0057296	.0071064	-0.81	0.424	-.0199962	.0085371
ime1	1.69e-06	1.61e-06	1.05	0.299	-1.54e-06	4.92e-06
ime_miss	-.0006686	.0027819	-0.24	0.811	-.0062536	.0049164
_cons	.9644302	.0201967	47.75	0.000	.9238836	1.004977

(1) motoimm = 0

F(1, 51) = 0.87
 Prob > F = 0.3554

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(46, 51) = .
 Prob > F = .
 R-squared = 0.5514
 Root MSE = .15506

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0001883	.0001765	-1.07	0.291	-.0005426	.0001659
male	.0012418	.0013089	0.95	0.347	-.0013859	.0038694
gendermiss_flag	.1803968	.1420385	1.27	0.210	-.1047574	.465551
tsd_age	-.000564	.0001214	-4.65	0.000	-.0008077	-.0003203
doage2	-.0001544	.0000925	-1.67	0.101	-.0003402	.0000314
doage2miss_flag	-.0103493	.0035323	-2.93	0.005	-.0174407	-.003258
race_a	-.0023171	.0041288	-0.56	0.577	-.0106059	.0059718
race_b	.0037443	.0015026	2.49	0.016	.0007277	.0067609
race_h	-.0005187	.0020011	-0.26	0.797	-.004536	.0034986
race_i	-.005097	.0050617	-1.01	0.319	-.0152587	.0050647
race_o	-.0019992	.0025982	-0.77	0.445	-.0072153	.003217
race_mis	-.0073698	.0038003	-1.94	0.058	-.0149992	.0002595
tsd_edu_hs	.0071774	.0012749	5.63	0.000	.004618	.0097368
tsd_edu_mrhs	.0165995	.0028127	5.90	0.000	.0109528	.0222461
tsd_edu_mis	.0077595	.0022239	3.49	0.001	.0032949	.0122241
tsd_mie_exp	-.0012395	.0026628	-0.47	0.644	-.0065854	.0041063
tsd_mie_mis	-.0033087	.0024548	-1.35	0.184	-.0082369	.0016196
tsd_mie_psbl	-.0026398	.0017066	-1.55	0.128	-.0060659	.0007863
tsd_medicare	-.0034039	.0014619	-2.33	0.024	-.0063387	-.000469
tsd_medicare_miss	-.0162863	.002435	-6.69	0.000	-.0211748	-.0113978
tsd_depend_1	-.0020873	.001296	-1.61	0.113	-.004689	.0005144
tsd_depend_2	-.002776	.0010964	-2.53	0.014	-.004977	-.0005749
tsd_depend_miss	-.0065979	.0060913	-1.08	0.284	-.0188266	.0056308
tsd_vrpr	-.9059713	.0072589	-124.81	0.000	-.9205441	-.8913985
tsd_vrpr_miss	-.9532848	.0042285	-225.44	0.000	-.9617739	-.9447957
pdcgrou2	-.0038868	.0017553	-2.21	0.031	-.0074107	-.0003629
pdcgrou3	-.0039492	.0021492	-1.84	0.072	-.0082639	.0003654
pdcgrou4	-.0014361	.0015756	-0.91	0.366	-.0045992	.001727
pdcgrou5	-.0165956	.0028957	-5.73	0.000	-.022409	-.0107823
cohort2000	-.0027227	.0014436	-1.89	0.065	-.0056209	.0001755
cohort2001	-.0030844	.0021454	-1.44	0.157	-.0073915	.0012227
cohort2002	-.0063478	.0024939	-2.55	0.014	-.0113545	-.0013411
cohort2003	-.00812	.0040901	-1.99	0.053	-.0163313	.0000913
cohort2004	-.0045641	.0090798	-0.50	0.617	-.0227925	.0136643
award_b4_tsd	-.0089689	.0074596	-1.20	0.235	-.0239446	.0060069
diaward_tsd	-.0003971	.0001066	-3.72	0.000	-.0006111	-.0001831
epeb4twp_flag	-.0679702	.0317561	-2.14	0.037	-.1317232	-.0042171
ldwb4twp_flag	.0474754	.0587071	0.81	0.422	-.070384	.1653347
ldwb4epe_flag	.0182592	.0132621	1.38	0.175	-.0083655	.0448839
twpb4tsd	.0039965	.002061	1.94	0.058	-.0001411	.0081341
epeb4tsd	.0143208	.0026314	5.44	0.000	.009038	.0196036
ldwb4tsd	-.0190006	.0037125	-5.12	0.000	-.0264537	-.0115476
st_AL	.0189002	.0063978	2.95	0.005	.006056	.0317443
st_AR	.0173674	.0050151	3.46	0.001	.0072991	.0274357
st_AZ	.0543012	.0065609	8.28	0.000	.0411296	.0674727
st_CA	.0221715	.0033239	6.67	0.000	.0154985	.0288445
st_CO	.0185753	.005024	3.70	0.001	.0084892	.0286613
st_CT	.0454726	.0066356	6.85	0.000	.032151	.0587942
st_DC	-.0155234	.0019408	-8.00	0.000	-.0194197	-.0116271
st_DE	.0749654	.009743	7.69	0.000	.0554056	.0945252
st_FL	.0252787	.0074247	3.40	0.001	.010373	.0401844
st_GA	.0244313	.0072376	3.38	0.001	.0099011	.0389614
st_HI	-.0095663	.0113846	-0.84	0.405	-.0324219	.0132893
st_IA	.0148955	.0074147	2.01	0.050	9.77e-06	.0297812
st_ID	.0154376	.0078902	1.96	0.056	-.0004026	.0312777
st_IL	.0509716	.0033005	15.44	0.000	.0443455	.0575978
st_IN	.0272331	.0056911	4.79	0.000	.0158078	.0386583
st_KS	.0432831	.0049935	8.67	0.000	.0332582	.053308
st_KY	.010143	.0050336	2.02	0.049	.0000377	.0202484

st_LA	.024157	.0051817	4.66	0.000	.0137542	.0345598
st_MA	.0374465	.0059714	6.27	0.000	.0254584	.0494347
st_MD	.0104669	.0083639	1.25	0.216	-.0063244	.0272582
st_ME	.0134407	.0075672	1.78	0.082	-.001751	.0286325
st_MI	.0295515	.0021336	13.85	0.000	.025268	.0338349
st_MN	.0218956	.0078071	2.80	0.007	.0062223	.037569
st_MO	.0387194	.0045335	8.54	0.000	.029618	.0478209
st_MS	.0315399	.0034305	9.19	0.000	.0246528	.038427
st_MT	.0762233	.0091416	8.34	0.000	.0578707	.0945758
st_NC	-.0015562	.0052681	-0.30	0.769	-.0121324	.00902
st_ND	-.0305529	.0115109	-2.65	0.011	-.0536619	-.0074438
st_NE	.0230235	.0093846	2.45	0.018	.0041833	.0418638
st_NH	-.0312456	.0096983	-3.22	0.002	-.0507158	-.0117755
st_NJ	.007773	.0066732	1.16	0.250	-.0056239	.02117
st_NM	.0251664	.0047518	5.30	0.000	.0156267	.0347061
st_NV	.0282603	.0081338	3.47	0.001	.011931	.0445896
st_NY	.0407574	.0044438	9.17	0.000	.0318361	.0496787
st_OH	.0246183	.0037026	6.65	0.000	.017185	.0320516
st_OK	.0254051	.0067319	3.77	0.000	.0118902	.0389199
st_OR	.0569457	.0012626	45.10	0.000	.0544109	.0594805
st_PA	.0135167	.0054297	2.49	0.016	.0026161	.0244173
st_PR	.0220713	.0088262	2.50	0.016	.0043519	.0397906
st_RI	.0002144	.0058544	0.04	0.971	-.0115388	.0119675
st_SC	.013222	.0023099	5.72	0.000	.0085847	.0178593
st_SD	.0854866	.0102925	8.31	0.000	.0648235	.1061496
st_TN	.0517878	.0054788	9.45	0.000	.0407886	.062787
st_TX	.0112211	.0040022	2.80	0.007	.0031863	.019256
st_UT	.0380669	.0067234	5.66	0.000	.0245691	.0515648
st_VA	.0003869	.0098657	0.04	0.969	-.0194194	.0201932
st_VT	-.0121264	.0098635	-1.23	0.225	-.0319282	.0076754
st_WA	.0129398	.0034566	3.74	0.000	.0060003	.0198793
st_WI	.0458378	.0066054	6.94	0.000	.032577	.0590986
st_WV	.0055735	.0059953	0.93	0.357	-.0064626	.0176096
st_WY	-.0022775	.0096155	-0.24	0.814	-.0215814	.0170263
tsd_unemp_mean	-.0032044	.0027253	-1.18	0.245	-.0086757	.0022668
tsd_unemp_cng	-.0018007	.0013191	-1.37	0.178	-.004449	.0008476
pial	-.0000116	6.65e-06	-1.74	0.088	-.0000249	1.80e-06
pia_miss	-.013279	.0071021	-1.87	0.067	-.0275371	.000979
ime1	2.38e-06	1.51e-06	1.58	0.121	-6.53e-07	5.42e-06
ime_miss	.0009925	.0024168	0.41	0.683	-.0038593	.0058443
_cons	1.016063	.0228291	44.51	0.000	.9702318	1.061894

(1) motoimm = 0

F(1, 51) = 1.14
 Prob > F = 0.2909

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(46, 51) = .
 Prob > F = .
 R-squared = 0.4181
 Root MSE = 1.1187

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
--------	-------	------------------	---	------	----------------------

motoimm	.0006014	.0011453	0.53	0.602	-.0016979	.0029007
male	.0040926	.0062293	0.66	0.514	-.0084133	.0165986
gendermiss_flag	-.0764538	.0403222	-1.90	0.064	-.157404	.0044964
tsd_age	-.0018335	.000722	-2.54	0.014	-.0032829	-.0003841
doage2	-.0003229	.0006353	-0.51	0.613	-.0015983	.0009525
doage2miss_flag	3.603824	.1890051	19.07	0.000	3.22438	3.983267
race_a	-.0195116	.0170198	-1.15	0.257	-.0536803	.0146572
race_b	.0216549	.0113831	1.90	0.063	-.0011975	.0445074
race_h	.0461541	.0150045	3.08	0.003	.0160314	.0762768
race_i	.0429366	.0388006	1.11	0.274	-.0349589	.1208321
race_o	.0065603	.0355171	0.18	0.854	-.0647433	.0778638
race_mis	.0831793	.0268091	3.10	0.003	.0293579	.1370008
tsd_edu_hs	.0044818	.0070418	0.64	0.527	-.0096552	.0186187
tsd_edu_mrhs	.023769	.0078249	3.04	0.004	.0080599	.0394782
tsd_edu_mis	.0293236	.0087145	3.36	0.001	.0118286	.0468186
tsd_mie_exp	-.0032332	.0217048	-0.15	0.882	-.0468075	.040341
tsd_mie_mis	-.0243039	.0102888	-2.36	0.022	-.0449596	-.0036482
tsd_mie_psbl	-.013074	.0090088	-1.45	0.153	-.0311599	.0050119
tsd_medicare	-.0345012	.0123753	-2.79	0.007	-.0593457	-.0096567
tsd_medicare_miss	-.0149112	.0177547	-0.84	0.405	-.0505551	.0207328
tsd_depend_1	-.0322412	.0063136	-5.11	0.000	-.0449163	-.0195662
tsd_depend_2	-.0113011	.0070674	-1.60	0.116	-.0254895	.0028874
tsd_depend_miss	.0873832	.0305668	2.86	0.006	.0260179	.1487486
tsd_vrpr	.087983	.0256878	3.43	0.001	.0364127	.1395533
tsd_vrpr_miss	.1289805	.0203931	6.32	0.000	.0880396	.1699215
pdcgrou2	-.0113184	.0064847	-1.75	0.087	-.024337	.0017002
pdcgrou3	.0394406	.0092095	4.28	0.000	.0209518	.0579294
pdcgrou4	.0240295	.0092784	2.59	0.012	.0054022	.0426567
pdcgrou5	-.0205425	.0755481	-0.27	0.787	-.1722116	.1311267
cohort2000	.0354665	.0327213	1.08	0.284	-.0302243	.1011572
cohort2001	.1004084	.0449322	2.23	0.030	.0102033	.1906135
cohort2002	.1009523	.0699731	1.44	0.155	-.0395245	.2414291
cohort2003	.0298795	.0743634	0.40	0.690	-.1194113	.1791703
cohort2004	.1154899	.0737687	1.57	0.124	-.032607	.2635868
award_b4_tsd	-.0037352	.0170763	-0.22	0.828	-.0380174	.030547
diaward_tsd	-.0017396	.0011942	-1.46	0.151	-.0041371	.000658
epeb4twp_flag	.0844236	.5703305	0.15	0.883	-1.060563	1.22941
ldwb4twp_flag	-1.776001	.4351982	-4.08	0.000	-2.649698	-.9023044
ldwb4epe_flag	1.031646	.2673526	3.86	0.000	.4949131	1.568378
twpb4tsd	.8428154	.0691731	12.18	0.000	.7039447	.9816862
epeb4tsd	.4925348	.0682394	7.22	0.000	.3555386	.6295311
ldwb4tsd	5.074414	.1407131	36.06	0.000	4.79192	5.356907
st_AL	.0707783	.0372987	1.90	0.063	-.0041018	.1456585
st_AR	-.0648899	.0285905	-2.27	0.027	-.1222878	-.0074921
st_AZ	-.1290199	.0388223	-3.32	0.002	-.206959	-.0510809
st_CA	.0914814	.0220408	4.15	0.000	.0472326	.1357301
st_CO	-.0826886	.032121	-2.57	0.013	-.1471743	-.018203
st_CT	-.1863222	.0409401	-4.55	0.000	-.2685129	-.1041315
st_DC	-.0154201	.0323751	-0.48	0.636	-.0804158	.0495757
st_DE	-.3021651	.0560455	-5.39	0.000	-.4146812	-.189649
st_FL	-.0829618	.0417045	-1.99	0.052	-.1666871	.0007635
st_GA	.0354082	.0436533	0.81	0.421	-.0522295	.123046
st_HI	.1060083	.0645847	1.64	0.107	-.0236509	.2356676
st_IA	-.068184	.0433871	-1.57	0.122	-.1552872	.0189193
st_ID	.0796468	.0434901	1.83	0.073	-.0076631	.1669568
st_IL	-.0698851	.024247	-2.88	0.006	-.1185629	-.0212073
st_IN	.0132872	.033458	0.40	0.693	-.0538826	.080457
st_KS	.0638207	.0293814	2.17	0.035	.0048352	.1228062
st_KY	.0582708	.028911	2.02	0.049	.0002294	.1163121
st_LA	-.0930573	.0304111	-3.06	0.004	-.15411	-.0320045
st_MA	-.0937899	.0353164	-2.66	0.011	-.1646905	-.0228894
st_MD	.1454398	.0492088	2.96	0.005	.0466489	.2442307
st_ME	.0570101	.0438268	1.30	0.199	-.0309759	.144996

st_MI	-.0656004	.0117251	-5.59	0.000	-.0891395	-.0420613
st_MN	.0231346	.0450644	0.51	0.610	-.0673361	.1136052
st_MO	-.0429963	.0288033	-1.49	0.142	-.1008214	.0148287
st_MS	-.0620635	.0209417	-2.96	0.005	-.1041057	-.0200212
st_MT	-.0337268	.0593424	-0.57	0.572	-.1528617	.0854081
st_NC	.042533	.0301898	1.41	0.165	-.0180755	.1031416
st_ND	-.1905891	.0675908	-2.82	0.007	-.3262833	-.054895
st_NE	.0013008	.0544013	0.02	0.981	-.1079143	.1105159
st_NH	-.0236009	.0551005	-0.43	0.670	-.1342198	.087018
st_NJ	-.0889861	.0399785	-2.23	0.030	-.1692464	-.0087258
st_NM	-.2013451	.0315728	-6.38	0.000	-.2647302	-.13796
st_NV	-.0670855	.0461634	-1.45	0.152	-.1597625	.0255915
st_NY	-.1226352	.0273799	-4.48	0.000	-.1776028	-.0676677
st_OH	.035746	.0235644	1.52	0.135	-.0115615	.0830534
st_OK	-.0085657	.0375004	-0.23	0.820	-.0838508	.0667194
st_OR	-.1623471	.0137491	-11.81	0.000	-.1899495	-.1347446
st_PA	.0862666	.0320653	2.69	0.010	.0218927	.1506404
st_PR	.0118477	.0463535	0.26	0.799	-.0812109	.1049063
st_RI	.1299382	.0342568	3.79	0.000	.0611649	.1987116
st_SC	.0066374	.0124341	0.53	0.596	-.0183251	.0315998
st_SD	-.4191432	.062485	-6.71	0.000	-.544587	-.2936993
st_TN	.0487157	.0324612	1.50	0.140	-.0164528	.1138842
st_TX	.0855568	.0250611	3.41	0.001	.0352446	.135869
st_UT	.0502588	.0378126	1.33	0.190	-.0256531	.1261708
st_VA	-.0276774	.0553716	-0.50	0.619	-.1388404	.0834857
st_VT	.0096592	.0552788	0.17	0.862	-.1013177	.120636
st_WA	.0601879	.0221479	2.72	0.009	.0157242	.1046516
st_WI	-.1544601	.0384102	-4.02	0.000	-.2315718	-.0773484
st_WV	.0724771	.034219	2.12	0.039	.0037796	.1411746
st_WY	.1703114	.0569642	2.99	0.004	.0559511	.2846717
tsd_unemp_mean	.004778	.0146882	0.33	0.746	-.0247097	.0342657
tsd_unemp_cng	.0023689	.0055383	0.43	0.671	-.0087497	.0134875
pial	.0000925	.0000532	1.74	0.088	-.0000142	.0001992
pia_miss	-.0876431	.0611703	-1.43	0.158	-.2104477	.0351614
ime1	-4.73e-06	.0000172	-0.27	0.784	-.0000393	.0000298
ime_miss	.0114911	.0249997	0.46	0.648	-.0386979	.0616802
_cons	-.1961395	.137783	-1.42	0.161	-.4727504	.0804714

(1) motoimm = 0

F(1, 51) = 0.28
 Prob > F = 0.6018

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_unemp.xls

dir : seeout

Linear regression

Number of obs = 114377
 F(46, 51) = .
 Prob > F = .
 R-squared = 0.3595
 Root MSE = 2.5223

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	.000572	.0026849	0.21	0.832	-.0048182 .0059621
male	.0476964	.0154833	3.08	0.003	.0166123 .0787804
gendermiss_flag	-.2487717	.1066158	-2.33	0.024	-.4628118 -.0347317
tsd_age	-.0088492	.0018197	-4.86	0.000	-.0125025 -.005196

doage2	-.0015118	.0010589	-1.43	0.159	-.0036376	.0006141
doage2miss_flag	7.354217	.3752457	19.60	0.000	6.60088	8.107554
race_a	.0111955	.0558864	0.20	0.842	-.101001	.1233921
race_b	.0570434	.0275175	2.07	0.043	.0017997	.1122871
race_h	.1132859	.0288401	3.93	0.000	.0553869	.1711849
race_i	.0367849	.0955709	0.38	0.702	-.1550816	.2286514
race_o	.1276417	.0643712	1.98	0.053	-.0015889	.2568723
race_mis	.1758053	.068909	2.55	0.014	.0374648	.3141459
tsd_edu_hs	.0525259	.0173349	3.03	0.004	.0177246	.0873271
tsd_edu_mrhs	.1506565	.024565	6.13	0.000	.1013403	.1999728
tsd_edu_mis	.1160114	.0162306	7.15	0.000	.0834272	.1485956
tsd_mie_exp	-.0028244	.0443609	-0.06	0.949	-.0918827	.0862339
tsd_mie_mis	-.0545142	.0250937	-2.17	0.034	-.1048918	-.0041366
tsd_mie_psbl	-.0341835	.0269837	-1.27	0.211	-.0883556	.0199885
tsd_medicare	-.0959717	.0247065	-3.88	0.000	-.1455721	-.0463713
tsd_medicare_miss	-.1553087	.050066	-3.10	0.003	-.2558205	-.054797
tsd_depend_1	-.0901166	.0127878	-7.05	0.000	-.1157891	-.0644441
tsd_depend_2	-.0368651	.0181083	-2.04	0.047	-.073219	-.0005112
tsd_depend_miss	.1713456	.0578797	2.96	0.005	.0551473	.287544
tsd_vrpr	.2462179	.0701015	3.51	0.001	.1054832	.3869525
tsd_vrpr_miss	.2788611	.0497647	5.60	0.000	.1789544	.3787678
pdcgrou2	-.065406	.0158587	-4.12	0.000	-.0972438	-.0335683
pdcgrou3	.119331	.0213669	5.58	0.000	.0764351	.1622269
pdcgrou4	.0649973	.0170117	3.82	0.000	.0308448	.0991498
pdcgrou5	-.0066851	.1633965	-0.04	0.968	-.3347174	.3213471
cohort2000	.0598605	.0739515	0.81	0.422	-.0886034	.2083243
cohort2001	.1928483	.0856224	2.25	0.029	.0209541	.3647426
cohort2002	.196354	.135837	1.45	0.154	-.0763502	.4690581
cohort2003	.1299183	.1533422	0.85	0.401	-.1779291	.4377656
cohort2004	.4218376	.2254525	1.87	0.067	-.0307771	.8744523
award_b4_tsd	-.061715	.0438244	-1.41	0.165	-.1496962	.0262662
diaward_tsd	-.0048925	.0023886	-2.05	0.046	-.0096879	-.0000971
epeb4twp_flag	-.428654	1.107996	-0.39	0.700	-2.65305	1.795742
ldwb4twp_flag	-2.941501	.8760933	-3.36	0.001	-4.700332	-1.18267
ldwb4epe_flag	3.183881	.464802	6.85	0.000	2.250752	4.11701
twpb4tsd	2.553631	.2028303	12.59	0.000	2.146432	2.96083
epeb4tsd	.7732881	.1223283	6.32	0.000	.5277039	1.018872
ldwb4tsd	9.272255	.2676989	34.64	0.000	8.734827	9.809683
st_AL	.1360891	.0775045	1.76	0.085	-.0195078	.2916859
st_AR	-.039107	.0599496	-0.65	0.517	-.1594608	.0812468
st_AZ	-.1956762	.082416	-2.37	0.021	-.3611331	-.0302192
st_CA	.3135325	.050754	6.18	0.000	.2116396	.4154255
st_CO	-.2131313	.0739438	-2.88	0.006	-.3615797	-.064683
st_CT	-.1943783	.089132	-2.18	0.034	-.3733182	-.0154384
st_DC	-.2865697	.0652961	-4.39	0.000	-.4176572	-.1554822
st_DE	-.5792642	.1187155	-4.88	0.000	-.8175954	-.3409329
st_FL	-.2515901	.0902039	-2.79	0.007	-.4326821	-.0704982
st_GA	-.0614292	.093963	-0.65	0.516	-.2500677	.1272093
st_HI	.1449494	.1435391	1.01	0.317	-.1432174	.4331163
st_IA	-.3173166	.0956871	-3.32	0.002	-.5094164	-.1252168
st_ID	.1411634	.0968287	1.46	0.151	-.0532284	.3355552
st_IL	-.2243114	.0538365	-4.17	0.000	-.3323926	-.1162302
st_IN	.0031757	.0705713	0.05	0.964	-.138502	.1448534
st_KS	-.090085	.0620428	-1.45	0.153	-.2146412	.0344712
st_KY	.06549	.0599237	1.09	0.280	-.0548119	.1857918
st_LA	-.1825016	.0646794	-2.82	0.007	-.3123508	-.0526524
st_MA	-.2453641	.0738886	-3.32	0.002	-.3937016	-.0970266
st_MD	.3250412	.1042507	3.12	0.003	.1157491	.5343332
st_ME	.1300866	.0929062	1.40	0.168	-.0564303	.3166036
st_MI	.005301	.0255776	0.21	0.837	-.0460483	.0566502
st_MN	.0687762	.0990472	0.69	0.491	-.1300694	.2676218
st_MO	-.0669407	.0636219	-1.05	0.298	-.194667	.0607857
st_MS	-.0457733	.0461848	-0.99	0.326	-.1384932	.0469466

st_MT	-.1115294	.1286143	-0.87	0.390	-.3697334	.1466745
st_NC	.1043901	.064166	1.63	0.110	-.0244286	.2332087
st_ND	-.7366848	.1541214	-4.78	0.000	-1.046096	-.4272731
st_NE	-.0437784	.1171119	-0.37	0.710	-.2788905	.1913336
st_NH	-.0636776	.1171311	-0.54	0.589	-.298828	.1714728
st_NJ	-.3015651	.0866747	-3.48	0.001	-.4755717	-.1275584
st_NM	-.5358804	.0750208	-7.14	0.000	-.6864909	-.38527
st_NV	-.2797255	.0976036	-2.87	0.006	-.475673	-.0837781
st_NY	-.2586202	.0612985	-4.22	0.000	-.3816821	-.1355583
st_OH	.140844	.0522978	2.69	0.010	.0358518	.2458362
st_OK	-.1387465	.0819419	-1.69	0.097	-.3032516	.0257587
st_OR	-.186247	.0286552	-6.50	0.000	-.2437746	-.1287193
st_PA	.2180292	.0695752	3.13	0.003	.0783511	.3577073
st_PR	.239843	.0958235	2.50	0.016	.0474692	.4322167
st_RI	.3524972	.0753001	4.68	0.000	.2013259	.5036685
st_SC	.0277437	.0241079	1.15	0.255	-.020655	.0761424
st_SD	-1.192337	.1297192	-9.19	0.000	-1.45276	-.9319153
st_TN	.0770698	.0677385	1.14	0.261	-.0589209	.2130606
st_TX	.2508764	.0573142	4.38	0.000	.1358135	.3659394
st_UT	.1296072	.0824315	1.57	0.122	-.035881	.2950953
st_VA	-.0967051	.1154778	-0.84	0.406	-.3285363	.1351262
st_VT	-.3223066	.1131967	-2.85	0.006	-.5495585	-.0950548
st_WA	.2469729	.0490765	5.03	0.000	.1484478	.3454981
st_WI	-.3424061	.0843525	-4.06	0.000	-.5117508	-.1730614
st_WV	.1699622	.0714751	2.38	0.021	.0264699	.3134545
st_WY	.2473772	.1247586	1.98	0.053	-.0030861	.4978405
tsd_unemp_mean	-.0339856	.0305809	-1.11	0.272	-.0953792	.027408
tsd_unemp_cng	.0083721	.0221495	0.38	0.707	-.0360948	.052839
pial	.0001394	.0000969	1.44	0.156	-.0000551	.000334
pia_miss	-.2555668	.1285986	-1.99	0.052	-.5137393	.0026057
ime1	.000031	.0000319	0.97	0.335	-.000033	.0000951
ime_miss	.0055377	.0453191	0.12	0.903	-.0854443	.0965197
_cons	.0534435	.2360565	0.23	0.822	-.4204598	.5273468

(1) motoimm = 0

F(1, 51) = 0.05
 Prob > F = 0.8321

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(46, 51) = .
 Prob > F = .
 R-squared = 0.3100
 Root MSE = 4.1886

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0014551	.004857	-0.30	0.766	-.0112059	.0082957
male	.1116175	.0281991	3.96	0.000	.0550054	.1682297
gendermiss_flag	-.5536195	.192809	-2.87	0.006	-.9406996	-.1665393
tsd_age	-.021505	.0033788	-6.36	0.000	-.0282884	-.0147217
doage2	-.003652	.0015318	-2.38	0.021	-.0067271	-.0005768
doage2miss_flag	13.48801	.5577443	24.18	0.000	12.36829	14.60773
race_a	.076645	.0916135	0.84	0.407	-.1072768	.2605667
race_b	.1337891	.0499328	2.68	0.010	.0335448	.2340334

race_h	.2047816	.046651	4.39	0.000	.1111258	.2984375
race_i	.0397129	.142614	0.28	0.782	-.2465967	.3260225
race_o	.3254304	.1134775	2.87	0.006	.0976149	.5532459
race_mis	.2864631	.123435	2.32	0.024	.038657	.5342692
tsd_edu_hs	.1243756	.0306144	4.06	0.000	.0629145	.1858367
tsd_edu_mrhs	.3428784	.0436972	7.85	0.000	.2551526	.4306043
tsd_edu_mis	.2414096	.0310925	7.76	0.000	.1789887	.3038305
tsd_mie_exp	.0093882	.0791675	0.12	0.906	-.1495473	.1683237
tsd_mie_mis	-.097916	.0417335	-2.35	0.023	-.1816995	-.0141325
tsd_mie_psbl	-.0880777	.0439476	-2.00	0.050	-.1763062	.0001509
tsd_medicare	-.1743464	.0361025	-4.83	0.000	-.2468253	-.1018676
tsd_medicare_miss	-.4369349	.0900707	-4.85	0.000	-.6177594	-.2561104
tsd_depend_1	-.1637528	.0260973	-6.27	0.000	-.2161453	-.1113603
tsd_depend_2	-.0625629	.0339308	-1.84	0.071	-.1306818	.005556
tsd_depend_miss	.2086046	.0835953	2.50	0.016	.0407801	.3764292
tsd_vrpr	.3723378	.1038957	3.58	0.001	.1637585	.5809171
tsd_vrpr_miss	.2843434	.0677481	4.20	0.000	.1483334	.4203534
pdcgrou2	-.1714411	.0336246	-5.10	0.000	-.2389453	-.1039369
pdcgrou3	.2062391	.038239	5.39	0.000	.1294711	.2830071
pdcgrou4	.0930754	.0277416	3.36	0.002	.0373819	.1487689
pdcgrou5	-.0372142	.2411408	-0.15	0.878	-.5213245	.4468962
cohort2000	.042879	.0987974	0.43	0.666	-.155465	.2412229
cohort2001	.1947573	.1105993	1.76	0.084	-.02728	.4167945
cohort2002	.1789133	.1788353	1.00	0.322	-.1801136	.5379401
cohort2003	.1138326	.2088525	0.55	0.588	-.3054564	.5331215
cohort2004	.738501	.368508	2.00	0.050	-.0013096	1.478312
award_b4_tsd	-.100591	.1059286	-0.95	0.347	-.3132516	.1120696
diaward_tsd	-.0114259	.0036607	-3.12	0.003	-.0187751	-.0040767
epeb4twp_flag	-1.735865	1.342361	-1.29	0.202	-4.430768	.9590379
ldwb4twp_flag	-3.73007	1.242075	-3.00	0.004	-6.22364	-1.236501
ldwb4epe_flag	5.830359	.8712119	6.69	0.000	4.081328	7.57939
twpb4tsd	4.425346	.3209815	13.79	0.000	3.780949	5.069743
epeb4tsd	.9114102	.1862085	4.89	0.000	.537581	1.28524
ldwb4tsd	12.97187	.3698958	35.07	0.000	12.22928	13.71447
st_AL	.3356368	.1314847	2.55	0.014	.0716702	.5996034
st_AR	.1188656	.1039818	1.14	0.258	-.0898866	.3276178
st_AZ	-.0973435	.1383514	-0.70	0.485	-.3750955	.1804085
st_CA	.745097	.0869184	8.57	0.000	.5706009	.919593
st_CO	-.2145043	.1218527	-1.76	0.084	-.4591338	.0301252
st_CT	-.101666	.1485892	-0.68	0.497	-.3999714	.1966393
st_DC	.1974496	.1100127	1.79	0.079	-.0234101	.4183094
st_DE	-.6568756	.2025537	-3.24	0.002	-1.063519	-.2502321
st_FL	-.3490874	.1534945	-2.27	0.027	-.6572405	-.0409344
st_GA	.0130826	.1599084	0.08	0.935	-.3079469	.334112
st_HI	.3259147	.2342556	1.39	0.170	-.144373	.7962024
st_IA	-.5440173	.1583034	-3.44	0.001	-.8618247	-.2262099
st_ID	.2746951	.1627916	1.69	0.098	-.0521225	.6015128
st_IL	-.1232199	.0887189	-1.39	0.171	-.3013306	.0548907
st_IN	.2455709	.1213984	2.02	0.048	.0018535	.4892883
st_KS	.1269675	.1085298	1.17	0.247	-.0909152	.3448503
st_KY	.3244477	.1039171	3.12	0.003	.1158254	.5330699
st_LA	-.1840455	.1096009	-1.68	0.099	-.4040785	.0359876
st_MA	-.2522988	.1234746	-2.04	0.046	-.5001843	-.0044132
st_MD	.6470791	.1740718	3.72	0.001	.2976154	.9965427
st_ME	.4068436	.1571993	2.59	0.013	.0912528	.7224344
st_MI	.2261121	.04742	4.77	0.000	.1309126	.3213117
st_MN	.2735695	.1637696	1.67	0.101	-.0552116	.6023506
st_MO	.1128637	.1095125	1.03	0.308	-.1069919	.3327192
st_MS	.1695177	.0833571	2.03	0.047	.0021713	.336864
st_MT	-.5485276	.2073958	-2.64	0.011	-.964892	-.1321632
st_NC	.2794656	.1096078	2.55	0.014	.0594188	.4995125
st_ND	-1.348531	.2521716	-5.35	0.000	-1.854786	-.8422749
st_NE	.0340231	.1966672	0.17	0.863	-.3608028	.4288491

st_NH	-.02242	.1946964	-0.12	0.909	-.4132893	.3684493
st_NJ	-.2901948	.1442944	-2.01	0.050	-.5798779	-.0005116
st_NM	-.5436291	.1268799	-4.28	0.000	-.7983511	-.2889071
st_NV	-.356262	.163499	-2.18	0.034	-.6844999	-.0280241
st_NY	-.1281674	.1045538	-1.23	0.226	-.338068	.0817332
st_OH	.4014429	.088765	4.52	0.000	.2232399	.579646
st_OK	-.0768192	.1393262	-0.55	0.584	-.3565283	.2028898
st_OR	-.1483627	.0503928	-2.94	0.005	-.2495304	-.047195
st_PA	.4991563	.1189016	4.20	0.000	.2604514	.7378612
st_PR	.6119803	.1577473	3.88	0.000	.2952893	.9286713
st_RI	.6918702	.1284006	5.39	0.000	.4340952	.9496452
st_SC	.0954723	.0459999	2.08	0.043	.0031237	.1878208
st_SD	-1.882291	.2173654	-8.66	0.000	-2.31867	-1.445912
st_TN	.1484271	.1170134	1.27	0.210	-.0864872	.3833414
st_TX	.583784	.0966994	6.04	0.000	.3896518	.7779162
st_UT	.3801074	.1370812	2.77	0.008	.1049054	.6553094
st_VA	.0063237	.1961334	0.03	0.974	-.3874306	.400078
st_VT	-.2616166	.1924063	-1.36	0.180	-.6478885	.1246552
st_WA	.6243276	.0810344	7.70	0.000	.4616443	.787011
st_WI	-.2206002	.1397518	-1.58	0.121	-.5011637	.0599634
st_WV	.3945921	.1234045	3.20	0.002	.1468473	.6423369
st_WY	.345566	.2038815	1.69	0.096	-.0637432	.7548752
tsd_unemp_mean	-.0862652	.0510352	-1.69	0.097	-.1887226	.0161922
tsd_unemp_cng	.0116307	.0377243	0.31	0.759	-.064104	.0873654
pial	.0002706	.0001386	1.95	0.056	-7.68e-06	.0005489
pia_miss	-.389478	.1788559	-2.18	0.034	-.7485462	-.0304097
ime1	.0000643	.0000467	1.38	0.174	-.0000293	.000158
ime_miss	-.0777742	.067026	-1.16	0.251	-.2123344	.0567861
_cons	.831199	.389614	2.13	0.038	.0490162	1.613382

(1) motoimm = 0

F(1, 51) = 0.09
 Prob > F = 0.7657

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 114377
 F(46, 51) = .
 Prob > F = .
 R-squared = 0.2724
 Root MSE = 6.0567

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0020264	.0063061	-0.32	0.749	-.0146864	.0106337
male	.2112712	.0439736	4.80	0.000	.1229905	.2995518
gendermiss_flag	-.9518137	.2800089	-3.40	0.001	-1.513955	-.3896725
tsd_age	-.0405564	.0053984	-7.51	0.000	-.0513942	-.0297186
doage2	-.0061927	.0027411	-2.26	0.028	-.0116956	-.0006897
doage2miss_flag	14.97627	.7118422	21.04	0.000	13.54719	16.40536
race_a	.1378723	.1246837	1.11	0.274	-.1124407	.3881853
race_b	.2314919	.0750089	3.09	0.003	.0809052	.3820786
race_h	.277394	.0732877	3.79	0.000	.1302628	.4245252
race_i	.1002275	.2126184	0.47	0.639	-.3266216	.5270767
race_o	.5149927	.1771948	2.91	0.005	.1592593	.8707262
race_mis	.3572078	.1637525	2.18	0.034	.028461	.6859547

tsd_edu_hs	.2084196	.0380737	5.47	0.000	.1319836	.2848557
tsd_edu_mrhs	.5859307	.065459	8.95	0.000	.4545163	.7173451
tsd_edu_mis	.3841304	.0425026	9.04	0.000	.2988028	.4694579
tsd_mie_exp	.0243247	.1155721	0.21	0.834	-.207696	.2563454
tsd_mie_mis	-.1240619	.068041	-1.82	0.074	-.2606599	.0125362
tsd_mie_psbl	-.1410578	.0573799	-2.46	0.017	-.2562529	-.0258628
tsd_medicare	-.2620672	.0514179	-5.10	0.000	-.365293	-.1588414
tsd_medicare_miss	-.7959309	.1477699	-5.39	0.000	-1.092591	-.4992704
tsd_depend_1	-.2297848	.0423012	-5.43	0.000	-.3147079	-.1448617
tsd_depend_2	-.0677584	.0479698	-1.41	0.164	-.1640618	.0285449
tsd_depend_miss	.2106612	.1064855	1.98	0.053	-.0031173	.4244397
tsd_vrpr	.3330236	.1173342	2.84	0.006	.0974652	.5685819
tsd_vrpr_miss	.0519125	.0718343	0.72	0.473	-.0923009	.1961258
pdcgrou2	-.3396633	.0616825	-5.51	0.000	-.463496	-.2158306
pdcgrou3	.2864477	.0621903	4.61	0.000	.1615955	.4112999
pdcgrou4	.0878513	.0453642	1.94	0.058	-.0032212	.1789238
pdcgrou5	-.2580355	.3160201	-0.82	0.418	-.8924723	.3764014
cohort2000	.0285261	.1195422	0.24	0.812	-.2114649	.268517
cohort2001	.1780935	.1336787	1.33	0.189	-.0902776	.4464647
cohort2002	.1323193	.2165089	0.61	0.544	-.3023405	.566979
cohort2003	.0772593	.2605573	0.30	0.768	-.4458313	.6003498
cohort2004	1.13136	.5146938	2.20	0.033	.0980685	2.16465
award_b4_tsd	-.0773119	.1979676	-0.39	0.698	-.4747485	.3201247
diaward_tsd	-.0183644	.0050577	-3.63	0.001	-.0285182	-.0082107
epeb4twp_flag	-4.120233	1.684292	-2.45	0.018	-7.50159	-.7388762
ldwb4twp_flag	-3.725344	2.123697	-1.75	0.085	-7.988842	.538155
ldwb4epe_flag	9.133839	1.334443	6.84	0.000	6.454833	11.81284
twpb4tsd	6.344846	.4134427	15.35	0.000	5.514825	7.174867
epeb4tsd	.9428371	.2493517	3.78	0.000	.4422427	1.443432
ldwb4tsd	16.31734	.4578879	35.64	0.000	15.39809	17.23659
st_AL	-.2253203	.1702262	-1.32	0.192	-.5670636	.116423
st_AR	-.3980271	.1371344	-2.90	0.005	-.673336	-.1227183
st_AZ	-.6918529	.1805564	-3.83	0.000	-1.054335	-.3293708
st_CA	.5137397	.1166738	4.40	0.000	.2795073	.7479721
st_CO	-.7616777	.1604784	-4.75	0.000	-1.083852	-.4395039
st_CT	-.7335326	.1964185	-3.73	0.000	-1.127859	-.339206
st_DC	.3098962	.1560636	1.99	0.052	-.0034145	.6232069
st_DE	-1.577434	.2561081	-6.16	0.000	-2.091593	-1.063276
st_FL	-1.158352	.1968547	-5.88	0.000	-1.553555	-.7631501
st_GA	-.6013528	.2045397	-2.94	0.005	-1.011983	-.1907222
st_HI	-.0867558	.2962664	-0.29	0.771	-.6815354	.5080237
st_IA	-1.5347	.2035763	-7.54	0.000	-1.943396	-1.126003
st_ID	-.287496	.2123883	-1.35	0.182	-.7138833	.1388912
st_IL	-.6371064	.1172135	-5.44	0.000	-.8724223	-.4017905
st_IN	-.3060077	.1586088	-1.93	0.059	-.6244282	.0124128
st_KS	-.4928373	.1407402	-3.50	0.001	-.775385	-.2102895
st_KY	-.0673324	.1363499	-0.49	0.624	-.3410662	.2064014
st_LA	-.9465642	.1404653	-6.74	0.000	-1.22856	-.6645683
st_MA	-.7842076	.1633583	-4.80	0.000	-1.112163	-.456252
st_MD	.2642413	.2225282	1.19	0.241	-.1825028	.7109853
st_ME	-.1016312	.2032445	-0.50	0.619	-.5096616	.3063991
st_MI	-.3074729	.068203	-4.51	0.000	-.4443962	-.1705496
st_MN	-.2270711	.2132533	-1.06	0.292	-.655195	.2010528
st_MO	-.3940779	.1452379	-2.71	0.009	-.6856552	-.1025006
st_MS	-.198206	.1083266	-1.83	0.073	-.4156808	.0192687
st_MT	-1.695245	.2737019	-6.19	0.000	-2.244724	-1.145765
st_NC	-.2999604	.1428981	-2.10	0.041	-.5868403	-.0130805
st_ND	-2.803257	.3287689	-8.53	0.000	-3.463289	-2.143226
st_NE	-.5965956	.2535004	-2.35	0.022	-1.105519	-.0876723
st_NH	-.5770761	.2529795	-2.28	0.027	-1.084954	-.0691987
st_NJ	-.8559494	.188874	-4.53	0.000	-1.23513	-.4767691
st_NM	-1.0398	.1722102	-6.04	0.000	-1.385526	-.6940734
st_NV	-1.362583	.2090997	-6.52	0.000	-1.782368	-.9427981

st_NY	-.5726171	.1388489	-4.12	0.000	-.8513679	-.2938663
st_OH	-.0728185	.1179205	-0.62	0.540	-.3095538	.1639168
st_OK	-.6803145	.1790055	-3.80	0.000	-1.039683	-.3209459
st_OR	-.8020909	.0739706	-10.84	0.000	-.9505931	-.6535886
st_PA	.0568143	.154951	0.37	0.715	-.2542628	.3678915
st_PR	.2235089	.2009279	1.11	0.271	-.1798707	.6268885
st_RI	.3284189	.1687632	1.95	0.057	-.0103874	.6672253
st_SC	-.5628088	.0663562	-8.48	0.000	-.6960245	-.4295931
st_SD	-2.792851	.28833	-9.69	0.000	-3.371698	-2.214005
st_TN	-.5728004	.1516109	-3.78	0.000	-.877172	-.2684289
st_TX	.1950639	.1287411	1.52	0.136	-.0633946	.4535223
st_UT	-.0471825	.1783257	-0.26	0.792	-.4051862	.3108213
st_VA	-.4883213	.2471978	-1.98	0.054	-.9845915	.0079489
st_VT	-.7933715	.2462012	-3.22	0.002	-1.287641	-.299102
st_WA	.2873109	.1091164	2.63	0.011	.0682505	.5063713
st_WI	-.7168888	.1810637	-3.96	0.000	-1.080389	-.3533883
st_WV	-.1385321	.1594598	-0.87	0.389	-.458661	.1815967
st_WY	-.2901122	.2652302	-1.09	0.279	-.8225841	.2423598
tsd_unemp_mean	-.1384895	.0638656	-2.17	0.035	-.2667051	-.0102739
tsd_unemp_cng	.0180277	.0565569	0.32	0.751	-.095515	.1315703
pial	.0004205	.0001839	2.29	0.026	.0000513	.0007896
pia_miss	-.5169068	.2068694	-2.50	0.016	-.9322145	-.101599
ime1	.000102	.0000649	1.57	0.122	-.0000283	.0002323
ime_miss	-.2030545	.0882682	-2.30	0.026	-.3802603	-.0258486
_cons	2.87738	.5476137	5.25	0.000	1.778	3.97676

(1) motoimm = 0

F(1, 51) = 0.10
 Prob > F = 0.7493

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(48, 51) = .
 Prob > F = .
 R-squared = 0.1167
 Root MSE = .12601

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	.0000438	.0000958	0.46	0.650	-.0001486 .0002362
male	.0020852	.0005711	3.65	0.001	.0009387 .0032317
gendermiss_flag	-.0077031	.0023213	-3.32	0.002	-.0123633 -.0030428
tsd_age	-.0004533	.0000893	-5.08	0.000	-.0006325 -.0002741
doage2	-.00006	.0000599	-1.00	0.321	-.0001803 .0000603
doage2miss_flag	-.0681411	.0384708	-1.77	0.082	-.1453745 .0090922
race_a	-.0025852	.0023714	-1.09	0.281	-.0073459 .0021755
race_b	.0046584	.001134	4.11	0.000	.0023818 .006935
race_h	.0026252	.0008968	2.93	0.005	.0008249 .0044255
race_i	.0044045	.0038881	1.13	0.263	-.0034012 .0122102
race_o	.0092339	.002686	3.44	0.001	.0038415 .0146264
race_mis	.0049236	.0017546	2.81	0.007	.001401 .0084462
tsd_edu_hs	.0032062	.0006844	4.68	0.000	.0018322 .0045802
tsd_edu_mrhs	.0077546	.0010624	7.30	0.000	.0056217 .0098875
tsd_edu_mis	.005307	.0007889	6.73	0.000	.0037233 .0068907
tsd_mie_exp	.0026546	.0020022	1.33	0.191	-.001365 .0066741

tsd_mie_mis	-.0007166	.0009487	-0.76	0.454	-.0026212	.0011881
tsd_mie_psbl	.0001987	.0008059	0.25	0.806	-.0014192	.0018167
tsd_medicare	-.0048609	.0010445	-4.65	0.000	-.0069579	-.0027639
tsd_medicare_miss	-.005978	.0017779	-3.36	0.001	-.0095474	-.0024087
tsd_depend_1	-.0026737	.0006996	-3.82	0.000	-.0040782	-.0012692
tsd_depend_2	-.0012302	.0006796	-1.81	0.076	-.0025947	.0001342
tsd_depend_miss	.0031876	.0021931	1.45	0.152	-.0012153	.0075905
tsd_vrpr	.0111374	.0016867	6.60	0.000	.0077513	.0145235
tsd_vrpr_miss	.0105956	.001456	7.28	0.000	.0076726	.0135186
pdcgrou2	-.0024051	.0008983	-2.68	0.010	-.0042085	-.0006017
pdcgrou3	.0032074	.0008649	3.71	0.001	.001471	.0049439
pdcgrou4	.0022817	.0006151	3.71	0.001	.0010469	.0035164
pdcgrou5	-.0018368	.006101	-0.30	0.765	-.014085	.0104115
cohort2000	.0015495	.0016353	0.95	0.348	-.0017335	.0048326
cohort2001	.0057796	.0021281	2.72	0.009	.0015074	.0100519
cohort2002	.0054434	.003767	1.44	0.155	-.0021193	.013006
cohort2003	.0049482	.0040649	1.22	0.229	-.0032123	.0131088
cohort2004	.0090243	.0057232	1.58	0.121	-.0024655	.0205141
award_b4_tsd	-.0017564	.0021753	-0.81	0.423	-.0061235	.0026106
diaward_tsd	-.000194	.0000797	-2.44	0.018	-.0003539	-.0000341
epeb4twp_flag	-.0501809	.0898868	-0.56	0.579	-.2306362	.1302743
ldwb4twp_flag	.1800628	.0578908	3.11	0.003	.0638422	.2962834
ldwb4epe_flag	.1066043	.0193133	5.52	0.000	.0678311	.1453774
twpb4tsd	.1553326	.0084245	18.44	0.000	.1384197	.1722454
epeb4tsd	.0642957	.003938	16.33	0.000	.0563899	.0722014
ldwb4tsd	-.0962024	.011755	-8.18	0.000	-.1198016	-.0726032
st_AL	-.0099938	.0040218	-2.48	0.016	-.0180679	-.0019196
st_AR	-.0147324	.0027065	-5.44	0.000	-.0201659	-.0092988
st_AZ	-.0100135	.0033455	-2.99	0.004	-.01673	-.0032971
st_CA	-.0003965	.0024322	-0.16	0.871	-.0052793	.0044864
st_CO	-.019974	.0027017	-7.39	0.000	-.0253978	-.0145502
st_CT	-.0139515	.0032743	-4.26	0.000	-.0205249	-.0073781
st_DC	-.0059355	.0014997	-3.96	0.000	-.0089463	-.0029246
st_DE	-.0261839	.0053185	-4.92	0.000	-.0368612	-.0155066
st_FL	-.0172538	.0038396	-4.49	0.000	-.0249621	-.0095455
st_GA	-.011931	.004185	-2.85	0.006	-.0203328	-.0035293
st_HI	-.0035606	.0065484	-0.54	0.589	-.0167071	.0095859
st_IA	-.0258404	.0047151	-5.48	0.000	-.0353064	-.0163745
st_ID	-.0054066	.004504	-1.20	0.236	-.0144488	.0036356
st_IL	-.0239525	.0019855	-12.06	0.000	-.0279386	-.0199663
st_IN	-.0140881	.0034091	-4.13	0.000	-.0209321	-.0072441
st_KS	-.0181193	.0030571	-5.93	0.000	-.0242567	-.0119819
st_KY	-.0142032	.0021287	-6.67	0.000	-.0184767	-.0099296
st_LA	-.0108958	.0022527	-4.84	0.000	-.0154183	-.0063732
st_MA	-.0148161	.0032134	-4.61	0.000	-.0212673	-.0083649
st_MD	-.0020569	.0049959	-0.41	0.682	-.0120866	.0079727
st_ME	-.0060329	.0045077	-1.34	0.187	-.0150825	.0030166
st_MI	-.0095585	.0010637	-8.99	0.000	-.0116939	-.0074231
st_MN	-.0055204	.0044755	-1.23	0.223	-.0145054	.0034646
st_MO	-.0150162	.0030461	-4.93	0.000	-.0211316	-.0089009
st_MS	-.0081986	.0020094	-4.08	0.000	-.0122327	-.0041646
st_MT	-.0166234	.0047852	-3.47	0.001	-.02623	-.0070168
st_NC	-.0077814	.0033985	-2.29	0.026	-.0146042	-.0009585
st_ND	-.0251469	.0057326	-4.39	0.000	-.0366555	-.0136382
st_NE	-.010477	.0054283	-1.93	0.059	-.0213748	.0004209
st_NH	-.017249	.0045543	-3.79	0.000	-.0263921	-.0081059
st_NJ	-.0092132	.0027364	-3.37	0.001	-.0147069	-.0037196
st_NM	-.0064173	.0023925	-2.68	0.010	-.0112205	-.0016141
st_NV	-.0140033	.0033265	-4.21	0.000	-.0206815	-.0073252
st_NY	-.0174609	.002345	-7.45	0.000	-.0221687	-.0127531
st_OH	-.0085885	.0027643	-3.11	0.003	-.0141381	-.0030389
st_OK	-.0075929	.0033285	-2.28	0.027	-.014275	-.0009107
st_OR	-.0147692	.0010051	-14.69	0.000	-.0167871	-.0127513

st_PA	-.0038121	.0034681	-1.10	0.277	-.0107746	.0031504
st_PR	-.0041851	.0046472	-0.90	0.372	-.0135147	.0051446
st_RI	-.0017269	.0037123	-0.47	0.644	-.0091797	.0057259
st_SC	-.0130488	.0017181	-7.59	0.000	-.0164981	-.0095995
st_SD	-.0214153	.0057418	-3.73	0.000	-.0329425	-.0098881
st_TN	-.012141	.0030099	-4.03	0.000	-.0181837	-.0060982
st_TX	-.0025582	.0026776	-0.96	0.344	-.0079337	.0028172
st_UT	-.008167	.0038632	-2.11	0.039	-.0159227	-.0004113
st_VA	-.0120794	.0051373	-2.35	0.023	-.0223928	-.0017659
st_VT	-.01125	.0050853	-2.21	0.031	-.0214592	-.0010407
st_WA	-.0043511	.0024979	-1.74	0.088	-.009366	.0006637
st_WI	-.0262144	.0035242	-7.44	0.000	-.0332896	-.0191392
st_WV	-.0041889	.0036856	-1.14	0.261	-.011588	.0032103
st_WY	-.0165191	.0053563	-3.08	0.003	-.0272724	-.0057659
tsd_unemp_mean	-.0009587	.0014012	-0.68	0.497	-.0037718	.0018544
tsd_unemp_cng	.0003597	.0008914	0.40	0.688	-.0014298	.0021492
pial	-7.49e-06	2.68e-06	-2.79	0.007	-.0000129	-2.10e-06
pia_miss	-.0184082	.0028368	-6.49	0.000	-.0241034	-.0127131
ime1	4.06e-06	8.46e-07	4.79	0.000	2.36e-06	5.76e-06
ime_miss	.0034674	.0013717	2.53	0.015	.0007136	.0062213
phase2_st	.0081383	.0017272	4.71	0.000	.0046707	.0116058
_cons	.021825	.0129917	1.68	0.099	-.0042568	.0479069

(1) motoimm = 0

F(1, 51) = 0.21
 Prob > F = 0.6497

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(48, 51) = .
 Prob > F = .
 R-squared = 0.1171
 Root MSE = .17458

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0001297	.0001164	-1.11	0.271	-.0003634	.0001041
male	.0051271	.0008722	5.88	0.000	.0033761	.0068782
gendermiss_flag	-.0267131	.0055325	-4.83	0.000	-.03782	-.0156063
tsd_age	-.0010576	.0001293	-8.18	0.000	-.0013171	-.0007982
doage2	-.0001176	.0000896	-1.31	0.195	-.0002974	.0000621
doage2miss_flag	-.0852718	.0440117	-1.94	0.058	-.1736289	.0030853
race_a	.0000733	.0035793	0.02	0.984	-.0071124	.007259
race_b	.010154	.0016726	6.07	0.000	.0067961	.013512
race_h	.0054114	.0011427	4.74	0.000	.0031174	.0077055
race_i	.0058925	.0043894	1.34	0.185	-.0029196	.0147045
race_o	.0195947	.0050132	3.91	0.000	.0095303	.0296591
race_mis	.006182	.0035416	1.75	0.087	-.000928	.013292
tsd_edu_hs	.0051273	.0010007	5.12	0.000	.0031185	.0071362
tsd_edu_mrhs	.015817	.0013605	11.63	0.000	.0130855	.0185484
tsd_edu_mis	.0095226	.0013726	6.94	0.000	.0067669	.0122783
tsd_mie_exp	.0040214	.0025437	1.58	0.120	-.0010853	.009128
tsd_mie_mis	-.0035578	.0012077	-2.95	0.005	-.0059824	-.0011333
tsd_mie_psbl	-.0005214	.0009694	-0.54	0.593	-.0024677	.0014248
tsd_medicare	-.0094763	.0014488	-6.54	0.000	-.0123848	-.0065677

tsd_medicare_miss	-.0156336	.0030155	-5.18	0.000	-.0216874	-.0095797
tsd_depend_1	-.0046586	.0011968	-3.89	0.000	-.0070614	-.0022558
tsd_depend_2	-.0016397	.0012154	-1.35	0.183	-.0040798	.0008004
tsd_depend_miss	-.0040078	.0031956	-1.25	0.215	-.0104233	.0024076
tsd_vrpr	.0156807	.0028575	5.49	0.000	.0099441	.0214173
tsd_vrpr_miss	.0056224	.0022006	2.55	0.014	.0012045	.0100403
pdcgrou2	-.0073085	.0015715	-4.65	0.000	-.0104634	-.0041537
pdcgrou3	.005172	.0011219	4.61	0.000	.0029197	.0074244
pdcgrou4	.0033493	.0012053	2.78	0.008	.0009296	.005769
pdcgrou5	-.0069928	.00769	-0.91	0.367	-.0224311	.0084455
cohort2000	-.000984	.0019733	-0.50	0.620	-.0049456	.0029777
cohort2001	.0032898	.0028507	1.15	0.254	-.0024333	.0090128
cohort2002	.0020404	.0045907	0.44	0.659	-.0071758	.0112567
cohort2003	.0067514	.0065506	1.03	0.308	-.0063996	.0199023
cohort2004	.0107257	.009928	1.08	0.285	-.0092056	.030657
award_b4_tsd	.0037958	.005485	0.69	0.492	-.0072159	.0148075
diaward_tsd	-.0004467	.0001283	-3.48	0.001	-.0007043	-.0001892
epeb4twp_flag	-.0980195	.0931931	-1.05	0.298	-.2851124	.0890734
ldwb4twp_flag	.2530604	.0798216	3.17	0.003	.0928117	.413309
ldwb4epe_flag	.2592921	.0276079	9.39	0.000	.2038669	.3147172
twpb4tsd	.2128483	.0088582	24.03	0.000	.1950646	.230632
epeb4tsd	.0612403	.0040437	15.14	0.000	.0531223	.0693583
ldwb4tsd	-.1352503	.014331	-9.44	0.000	-.164021	-.1064796
st_AL	.0014749	.0055559	0.27	0.792	-.009679	.0126289
st_AR	-.0096152	.0031645	-3.04	0.004	-.0159681	-.0032622
st_AZ	.0056613	.0042809	1.32	0.192	-.0029329	.0142555
st_CA	.0171423	.0039014	4.39	0.000	.00931	.0249746
st_CO	-.0225266	.003488	-6.46	0.000	-.029529	-.0155242
st_CT	-.0029518	.0039558	-0.75	0.459	-.0108933	.0049897
st_DC	.0211196	.0019401	10.89	0.000	.0172246	.0250146
st_DE	.0231429	.0063242	3.66	0.001	.0104465	.0358392
st_FL	-.0054969	.0049221	-1.12	0.269	-.0153784	.0043846
st_GA	.0007427	.0049741	0.15	0.882	-.0092433	.0107287
st_HI	.0106924	.0089557	1.19	0.238	-.0072869	.0286716
st_IA	-.0271781	.0058874	-4.62	0.000	-.0389975	-.0153587
st_ID	.0093983	.0063251	1.49	0.143	-.0033	.0220965
st_IL	-.0145102	.0025912	-5.60	0.000	-.0197122	-.0093082
st_IN	-.0050425	.0040215	-1.25	0.216	-.0131116	.003031
st_KS	-.0063115	.0036636	-1.72	0.091	-.0136665	.0010436
st_KY	-.0091772	.0024984	-3.67	0.001	-.014193	-.0041614
st_LA	.0014826	.0026036	0.57	0.572	-.0037443	.0067095
st_MA	-.0034234	.004135	-0.83	0.412	-.0117248	.0048781
st_MD	.0158502	.0066371	2.39	0.021	.0025258	.0291747
st_ME	.0104224	.0060636	1.72	0.092	-.0017507	.0225956
st_MI	.0004239	.001233	0.34	0.732	-.0020515	.0028992
st_MN	.0093528	.0060992	1.53	0.131	-.0028918	.0215973
st_MO	-.0048485	.0036497	-1.33	0.190	-.0121757	.0024787
st_MS	.0009431	.0023573	0.40	0.691	-.0037895	.0056756
st_MT	-.0090261	.0057806	-1.56	0.125	-.0206311	.0025789
st_NC	-.0005799	.0049337	-0.12	0.907	-.0104847	.009325
st_ND	-.015187	.0069346	-2.19	0.033	-.0291088	-.0012651
st_NE	.0041358	.0071221	0.58	0.564	-.0101623	.018434
st_NH	.0033625	.0055239	0.61	0.545	-.0077272	.0144521
st_NJ	.004497	.0033289	1.35	0.183	-.0021859	.01118
st_NM	.003	.0028615	1.05	0.299	-.0027446	.0087446
st_NV	.00042	.0040029	0.10	0.917	-.007616	.0084561
st_NY	-.0061772	.003153	-1.96	0.056	-.012507	.0001526
st_OH	.0039457	.0039846	0.99	0.327	-.0040538	.0119452
st_OK	-.0108355	.0040354	-2.69	0.010	-.0189369	-.0027342
st_OR	-.0027048	.0013792	-1.96	0.055	-.0054736	.000064
st_PA	.0097908	.004899	2.00	0.051	-.0000444	.019626
st_PR	-.0035368	.005483	-0.65	0.522	-.0145443	.0074707
st_RI	.015329	.0053436	2.87	0.006	.0046012	.0260568

st_SC	-.0112038	.0023836	-4.70	0.000	-.015989	-.0064186
st_SD	-.0094048	.0069681	-1.35	0.183	-.0233938	.0045843
st_TN	-.0047259	.0034935	-1.35	0.182	-.0117394	.0022876
st_TX	.0105138	.0041297	2.55	0.014	.0022232	.0188045
st_UT	.0057752	.005456	1.06	0.295	-.0051783	.0167286
st_VA	.0012857	.0060896	0.21	0.834	-.0109398	.0135112
st_VT	.0030678	.0064196	0.48	0.635	-.0098201	.0159557
st_WA	.0152607	.0038348	3.98	0.000	.007562	.0229594
st_WI	-.0164688	.0046114	-3.57	0.001	-.0257266	-.0072109
st_WV	.0066145	.0051703	1.28	0.207	-.0037654	.0169944
st_WY	-.0104119	.0070645	-1.47	0.147	-.0245944	.0037706
tsd_unemp_mean	4.31e-06	.0016447	0.00	0.998	-.0032976	.0033062
tsd_unemp_cng	.0013223	.0010429	1.27	0.211	-.0007713	.003416
pial	-.0000119	4.28e-06	-2.77	0.008	-.0000205	-3.27e-06
pia_miss	-.0226809	.0037721	-6.01	0.000	-.0302537	-.0151082
ime1	6.84e-06	1.30e-06	5.25	0.000	4.23e-06	9.46e-06
ime_miss	-.0019295	.0019708	-0.98	0.332	-.005886	.002027
phase2_st	.008032	.0030914	2.60	0.012	.0018257	.0142383
_cons	.0533031	.0144919	3.68	0.001	.0242094	.0823969

(1) motoimm = 0

F(1, 51) = 1.24
 Prob > F = 0.2707

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(48, 51) = .
 Prob > F = .
 R-squared = 0.1149
 Root MSE = .20804

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0001268	.0001263	-1.00	0.320	-.0003803	.0001267
male	.0067964	.0010953	6.21	0.000	.0045975	.0089954
gendermiss_flag	-.0460168	.0106868	-4.31	0.000	-.0674715	-.0245621
tsd_age	-.001605	.0001546	-10.38	0.000	-.0019154	-.0012946
doage2	-.0002912	.0001159	-2.51	0.015	-.0005239	-.0000586
doage2miss_flag	-.0998596	.0336949	-2.96	0.005	-.1675049	-.0322143
race_a	.0011133	.0030908	0.36	0.720	-.0050916	.0073183
race_b	.0154315	.0017165	8.99	0.000	.0119854	.0188776
race_h	.0064123	.0021053	3.05	0.004	.0021858	.0106388
race_i	.0101341	.0054722	1.85	0.070	-.0008519	.02112
race_o	.0146929	.0052741	2.79	0.007	.0041047	.0252811
race_mis	.0039572	.0043852	0.90	0.371	-.0048465	.012761
tsd_edu_hs	.0066445	.001197	5.55	0.000	.0042414	.0090476
tsd_edu_mrhs	.0220987	.0015402	14.35	0.000	.0190066	.0251908
tsd_edu_mis	.0131035	.001246	10.52	0.000	.010602	.0156051
tsd_mie_exp	.0031665	.0029031	1.09	0.281	-.0026617	.0089946
tsd_mie_mis	-.0043163	.001394	-3.10	0.003	-.007115	-.0015177
tsd_mie_psbl	-.0017782	.001221	-1.46	0.151	-.0042294	.000673
tsd_medicare	-.0119295	.0018381	-6.49	0.000	-.0156195	-.0082394
tsd_medicare_miss	-.0214297	.0042986	-4.99	0.000	-.0300596	-.0127999
tsd_depend_1	-.0051887	.0014697	-3.53	0.001	-.0081393	-.0022382
tsd_depend_2	-.0004833	.001637	-0.30	0.769	-.0037697	.0028031

tsd_depend_miss	-.0124641	.0038087	-3.27	0.002	-.0201103	-.0048178
tsd_vrpr	.0052878	.0033024	1.60	0.116	-.0013421	.0119177
tsd_vrpr_miss	-.0138279	.0030895	-4.48	0.000	-.0200303	-.0076256
pdgroup2	-.0120668	.0022316	-5.41	0.000	-.016547	-.0075866
pdgroup3	.004731	.0013025	3.63	0.001	.0021162	.0073459
pdgroup4	.0007515	.0017081	0.44	0.662	-.0026776	.0041807
pdgroup5	-.0093013	.0101149	-0.92	0.362	-.0296079	.0110052
cohort2000	-.0007163	.0016074	-0.45	0.658	-.0039432	.0025106
cohort2001	.0034174	.0033964	1.01	0.319	-.0034011	.010236
cohort2002	.0010071	.0049345	0.20	0.839	-.0088994	.0109136
cohort2003	.0071736	.0069497	1.03	0.307	-.0067784	.0211256
cohort2004	.0192474	.0115197	1.67	0.101	-.0038793	.042374
award_b4_tsd	.0160138	.0073696	2.17	0.034	.0012188	.0308089
diaward_tsd	-.0005681	.0001613	-3.52	0.001	-.0008919	-.0002443
epeb4twp_flag	-.0590023	.1190948	-0.50	0.622	-.2980951	.1800905
ldwb4twp_flag	.3839233	.0678991	5.65	0.000	.2476103	.5202364
ldwb4epe_flag	.3819781	.0271946	14.05	0.000	.3273827	.4365736
twpb4tsd	.2451862	.0089203	27.49	0.000	.2272781	.2630944
epeb4tsd	.0488678	.0043779	11.16	0.000	.0400788	.0576569
ldwb4tsd	-.1633438	.015536	-10.51	0.000	-.1945336	-.132154
st_AL	-.0068893	.0056247	-1.22	0.226	-.0181815	.0044028
st_AR	-.0193312	.0034109	-5.67	0.000	-.0261788	-.0124835
st_AZ	-.0055968	.004224	-1.32	0.191	-.0140769	.0028833
st_CA	.0162489	.0039589	4.10	0.000	.0083011	.0241967
st_CO	-.0176699	.0035006	-5.05	0.000	-.0246976	-.0106422
st_CT	-.0101947	.0041289	-2.47	0.017	-.0184838	-.0019056
st_DC	.0068273	.0022272	3.07	0.003	.002356	.0112986
st_DE	-.0004671	.0064344	-0.07	0.942	-.0133846	.0124504
st_FL	-.013399	.0049101	-2.73	0.009	-.0232565	-.0035415
st_GA	-.003575	.0051077	-0.70	0.487	-.013829	.0066791
st_HI	.0113871	.0084354	1.35	0.183	-.0055477	.0283219
st_IA	-.0454118	.0061429	-7.39	0.000	-.0577442	-.0330793
st_ID	-.0029842	.0064632	-0.46	0.646	-.0159597	.0099912
st_IL	-.0198344	.0025696	-7.72	0.000	-.0249931	-.0146757
st_IN	-.0137973	.0043138	-3.20	0.002	-.0224576	-.005137
st_KS	-.0084259	.0039105	-2.15	0.036	-.0162766	-.0005752
st_KY	-.0206178	.0027101	-7.61	0.000	-.0260586	-.015177
st_LA	-.0060144	.0027493	-2.19	0.033	-.0115339	-.000495
st_MA	.0028356	.00428	0.66	0.511	-.0057569	.0114281
st_MD	.0099742	.0066817	1.49	0.142	-.0034399	.0233883
st_ME	.009356	.0062776	1.49	0.142	-.0032469	.0219589
st_MI	-.0092412	.001405	-6.58	0.000	-.0120619	-.0064205
st_MN	.006604	.0063297	1.04	0.302	-.0061033	.0193114
st_MO	-.0174473	.0039508	-4.42	0.000	-.0253789	-.0095157
st_MS	-.0077782	.0025346	-3.07	0.003	-.0128666	-.0026898
st_MT	-.0091362	.0061637	-1.48	0.144	-.0215104	.003238
st_NC	-.0107412	.0050207	-2.14	0.037	-.0208208	-.0006617
st_ND	-.0262009	.0073911	-3.54	0.001	-.0410392	-.0113625
st_NE	-.0036472	.0072998	-0.50	0.619	-.0183023	.0110079
st_NH	-.0000633	.0058685	-0.01	0.991	-.0118449	.0117183
st_NJ	-.0015725	.0034712	-0.45	0.652	-.0085412	.0053963
st_NM	-.0046989	.0030744	-1.53	0.133	-.0108711	.0014733
st_NV	-.0059959	.0041648	-1.44	0.156	-.014357	.0023653
st_NY	-.0108402	.0031802	-3.41	0.001	-.0172247	-.0044556
st_OH	-.0053073	.0042773	-1.24	0.220	-.0138943	.0032797
st_OK	.0178279	.0039624	4.50	0.000	.0098729	.0257828
st_OR	-.0174431	.0018043	-9.67	0.000	-.0210654	-.0138207
st_PA	.0029284	.0050595	0.58	0.565	-.0072229	.0130857
st_PR	-.0204436	.0066689	-3.07	0.003	-.0338319	-.0070553
st_RI	.010392	.0052824	1.97	0.055	-.0002128	.0209969
st_SC	-.030148	.0025274	-11.93	0.000	-.035222	-.025074
st_SD	-.0239628	.0073417	-3.26	0.002	-.0387019	-.0092238
st_TN	-.0152277	.0037641	-4.05	0.000	-.0227844	-.007671

st_TX	.0038811	.0042699	0.91	0.368	-.0046912	.0124534
st_UT	-.0036298	.0055902	-0.65	0.519	-.0148525	.007593
st_VA	-.0050129	.0063937	-0.78	0.437	-.0178488	.007823
st_VT	-.0005937	.0067069	-0.09	0.930	-.0140583	.0128709
st_WA	.0078924	.0041011	1.92	0.060	-.0003409	.0161257
st_WI	-.0187023	.0047327	-3.95	0.000	-.0282035	-.0092011
st_WV	-.0031286	.0052639	-0.59	0.555	-.0136963	.0074392
st_WY	-.0160499	.0072296	-2.22	0.031	-.030564	-.0015358
tsd_unemp_mean	.0003863	.0017055	0.23	0.822	-.0030376	.0038102
tsd_unemp_cng	.0013159	.0013392	0.98	0.330	-.0013726	.0040045
pial	-7.07e-06	5.59e-06	-1.27	0.211	-.0000183	4.14e-06
pia_miss	-.0205193	.0046912	-4.37	0.000	-.0299372	-.0111013
ime1	5.85e-06	1.76e-06	3.32	0.002	2.32e-06	9.38e-06
ime_miss	-.0114062	.0024974	-4.57	0.000	-.0164199	-.0063924
phase2_st	.0065125	.0038081	1.71	0.093	-.0011325	.0141575
_cons	.1170111	.0184698	6.34	0.000	.0799315	.1540907

(1) motoimm = 0

F(1, 51) = 1.01
 Prob > F = 0.3199

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(48, 51) = .
 Prob > F = .
 R-squared = 0.1095
 Root MSE = .23361

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0002171	.0001545	-1.41	0.166	-.0005272 .00000931
male	.0088555	.0012392	7.15	0.000	.0063677 .0113433
gendermiss_flag	-.0646138	.0150488	-4.29	0.000	-.0948254 -.0344022
tsd_age	-.002322	.0002074	-11.20	0.000	-.0027383 -.0019057
doage2	-.000273	.0001448	-1.89	0.065	-.0005638 .0000177
doage2miss_flag	-.112124	.0198919	-5.64	0.000	-.1520587 -.0721894
race_a	-.0014668	.0039767	-0.37	0.714	-.0094504 .0065168
race_b	.021614	.0020873	10.35	0.000	.0174236 .0258044
race_h	.0072082	.003283	2.20	0.033	.0006174 .013799
race_i	.0122202	.0070859	1.72	0.091	-.0020053 .0264458
race_o	.0171766	.0061569	2.79	0.007	.004816 .0295372
race_mis	.0022257	.0053095	0.42	0.677	-.0084336 .012885
tsd_edu_hs	.0072166	.0015408	4.68	0.000	.0041234 .0103098
tsd_edu_mrhs	.0285751	.0017848	16.01	0.000	.0249919 .0321582
tsd_edu_mis	.0150623	.0014806	10.17	0.000	.01209 .0180347
tsd_mie_exp	.0047559	.0040059	1.19	0.241	-.0032863 .012798
tsd_mie_mis	-.0055391	.0018107	-3.06	0.004	-.0091744 -.0019039
tsd_mie_psbl	-.002913	.0013867	-2.10	0.041	-.005697 -.000129
tsd_medicare	-.0134946	.0019153	-7.05	0.000	-.0173397 -.0096495
tsd_medicare_miss	-.0287503	.0058016	-4.96	0.000	-.0403976 -.017103
tsd_depend_1	-.0047839	.0016758	-2.85	0.006	-.0081481 -.0014196
tsd_depend_2	.002083	.0018807	1.11	0.273	-.0016927 .0058588
tsd_depend_miss	-.0203067	.0047374	-4.29	0.000	-.0298174 -.0107959
tsd_vrpr	-.01189	.0038167	-3.12	0.003	-.0195523 -.0042277
tsd_vrpr_miss	-.038326	.0046955	-8.16	0.000	-.0477526 -.0288994

pdcgrou2	-.0182996	.0026015	-7.03	0.000	-.0235224	-.0130768
pdcgrou3	.0034119	.0016852	2.02	0.048	.0000287	.006795
pdcgrou4	-.002022	.0020763	-0.97	0.335	-.0061904	.0021463
pdcgrou5	-.0216042	.0100919	-2.14	0.037	-.0418646	-.0013438
cohort2000	-.0027465	.0017231	-1.59	0.117	-.0062058	.0007127
cohort2001	-.0008819	.0032076	-0.27	0.784	-.0073214	.0055576
cohort2002	-.005322	.0048322	-1.10	0.276	-.0150231	.004379
cohort2003	.0022075	.0070296	0.31	0.755	-.011905	.0163199
cohort2004	.0212645	.0135337	1.57	0.122	-.0059056	.0484346
award_b4_tsd	.0194481	.0077836	2.50	0.016	.0038219	.0350742
diaward_tsd	-.0007588	.0001696	-4.47	0.000	-.0010993	-.0004183
epeb4twp_flag	-.0808657	.1196012	-0.68	0.502	-.320975	.1592437
ldwb4twp_flag	.4140456	.0744513	5.56	0.000	.2645783	.5635128
ldwb4epe_flag	.4827681	.0283726	17.02	0.000	.4258078	.5397284
twpb4tsd	.2555818	.0083223	30.71	0.000	.2388741	.2722896
epeb4tsd	.0403692	.0048314	8.36	0.000	.0306698	.0500685
ldwb4tsd	-.1823361	.0154991	-11.76	0.000	-.2134518	-.1512204
st_AL	-.0275996	.0072531	-3.81	0.000	-.0421608	-.0130384
st_AR	-.0353921	.0047601	-7.44	0.000	-.0449483	-.0258359
st_AZ	-.0095223	.0057003	-1.67	0.101	-.0209662	.0019215
st_CA	.0043327	.0048841	0.89	0.379	-.0054726	.0141381
st_CO	-.0365406	.0046435	-7.87	0.000	-.0458628	-.0272185
st_CT	-.0285443	.0058055	-4.92	0.000	-.0401993	-.0168893
st_DC	-.0002499	.0030127	-0.08	0.934	-.0062982	.0057983
st_DE	-.022255	.0089432	-2.49	0.016	-.0402092	-.0043009
st_FL	-.0194707	.0067447	-2.89	0.006	-.0330113	-.0059302
st_GA	-.0201134	.0073657	-2.73	0.009	-.0349007	-.0053262
st_HI	-.0029375	.0105579	-0.28	0.782	-.0241334	.0182584
st_IA	-.0437363	.0081036	-5.40	0.000	-.060005	-.0274676
st_ID	-.0157676	.0084475	-1.87	0.068	-.0327266	.0011914
st_IL	-.0359813	.0032982	-10.91	0.000	-.0426028	-.0293599
st_IN	-.0336827	.0060806	-5.54	0.000	-.0458899	-.0214755
st_KS	-.0219157	.0054688	-4.01	0.000	-.0328947	-.0109366
st_KY	-.0387295	.0038362	-10.10	0.000	-.046431	-.031028
st_LA	-.0207031	.0039573	-5.23	0.000	-.0286476	-.0127585
st_MA	-.0052631	.0057567	-0.91	0.365	-.0168202	.0062941
st_MD	-.0064509	.0087271	-0.74	0.463	-.0239714	.0110696
st_ME	-.0133532	.0080844	-1.65	0.105	-.0295832	.0028769
st_MI	-.0253115	.0019131	-13.23	0.000	-.0291522	-.0214707
st_MN	-.0103606	.0081268	-1.27	0.208	-.0266759	.0059546
st_MO	-.0336656	.0055259	-6.09	0.000	-.0447593	-.0225718
st_MS	-.0242089	.0036728	-6.59	0.000	-.0315823	-.0168355
st_MT	-.0365849	.0085577	-4.28	0.000	-.0537652	-.0194046
st_NC	-.0331999	.0064257	-5.17	0.000	-.0461	-.0202997
st_ND	-.0394509	.0102411	-3.85	0.000	-.0600108	-.0188911
st_NE	-.0208912	.0094804	-2.20	0.032	-.0399238	-.0018586
st_NH	-.0067208	.0082673	-0.81	0.420	-.0233181	.0098766
st_NJ	-.0182572	.0049858	-3.66	0.001	-.0282666	-.0082479
st_NM	-.0178327	.0042487	-4.20	0.000	-.0263623	-.0093032
st_NV	-.0202054	.0059873	-3.37	0.001	-.0322255	-.0081854
st_NY	-.0182326	.0042214	-4.32	0.000	-.0267075	-.0097577
st_OH	-.023887	.005232	-4.57	0.000	-.0343908	-.0133833
st_OK	-.0042503	.0053662	-0.79	0.432	-.0150233	.0065228
st_OR	-.0223208	.0021513	-10.38	0.000	-.0266397	-.0180018
st_PA	-.0129162	.0063982	-2.02	0.049	-.025761	-.0000714
st_PR	-.0431869	.0087748	-4.92	0.000	-.060803	-.0255708
st_RI	-.0057988	.0067588	-0.86	0.395	-.0193678	.0077701
st_SC	-.0528726	.0032148	-16.45	0.000	-.0593265	-.0464186
st_SD	-.0465095	.0101536	-4.58	0.000	-.0668937	-.0261253
st_TN	-.035235	.005213	-6.76	0.000	-.0457004	-.0247695
st_TX	-.0119675	.0053184	-2.25	0.029	-.0226447	-.0012903
st_UT	-.0172456	.0071705	-2.41	0.020	-.031641	-.0028501
st_VA	-.0231555	.0089941	-2.57	0.013	-.0412118	-.0050992

st_VT	-.0123286	.009049	-1.36	0.179	-.0304953	.0058381
st_WA	-.0062912	.0050871	-1.24	0.222	-.0165039	.0039215
st_WI	-.0407721	.0063698	-6.40	0.000	-.0535601	-.0279842
st_WV	-.0224581	.0067408	-3.33	0.002	-.0359909	-.0089254
st_WY	-.016964	.0094457	-1.80	0.078	-.035927	.001999
tsd_unemp_mean	-.0000812	.0023548	-0.03	0.973	-.0048087	.0046463
tsd_unemp_cng	.0015637	.0020589	0.76	0.451	-.0025697	.005697
pial	-5.84e-06	5.74e-06	-1.02	0.314	-.0000174	5.68e-06
pia_miss	-.0175622	.0048502	-3.62	0.001	-.0272994	-.007825
ime1	5.22e-06	1.66e-06	3.15	0.003	1.89e-06	8.55e-06
ime_miss	-.0181061	.0024256	-7.46	0.000	-.0229756	-.0132366
phase2_st	.0017109	.0044288	0.39	0.701	-.0071803	.010602
_cons	.2087588	.0248818	8.39	0.000	.1588066	.2587111

(1) motoimm = 0

F(1, 51) = 1.97
 Prob > F = 0.1661

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_unemp.xls

dir : seeout

Linear regression

Number of obs = 191505
 F(48, 51) = .
 Prob > F = .
 R-squared = 0.1210
 Root MSE = .14494

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0001114	.0001361	0.82	0.417	-.0001619	.0003847
male	.0020978	.0007988	2.63	0.011	.0004941	.0037014
gendermiss_flag	-.013484	.0036542	-3.69	0.001	-.0208201	-.0061479
tsd_age	-.0003736	.0000915	-4.08	0.000	-.0005574	-.0001899
doage2	-.000253	.0000853	-2.97	0.005	-.0004244	-.0000817
doage2miss_flag	-.0545544	.0264074	-2.07	0.044	-.1075695	-.0015393
race_a	-.0003362	.0029006	-0.12	0.908	-.0061593	.0054869
race_b	.0038238	.0011041	3.46	0.001	.0016073	.0060403
race_h	-7.97e-06	.001731	-0.00	0.996	-.0034831	.0034671
race_i	-.0046407	.0031869	-1.46	0.151	-.0110387	.0017573
race_o	.0061682	.00393	1.57	0.123	-.0017217	.0140581
race_mis	.0001695	.0023004	0.07	0.942	-.0044487	.0047876
tsd_edu_hs	.0025655	.0011415	2.25	0.029	.0002739	.0048572
tsd_edu_mrhs	.0068118	.0012818	5.31	0.000	.0042384	.0093852
tsd_edu_mis	.0065692	.0012654	5.19	0.000	.0040289	.0091095
tsd_mie_exp	-.0017136	.0023679	-0.72	0.473	-.0064673	.0030402
tsd_mie_mis	-.0068913	.0013728	-5.02	0.000	-.0096474	-.0041352
tsd_mie_psbl	-.0059187	.0010898	-5.43	0.000	-.0081065	-.003731
tsd_medicare	-.0078627	.0011249	-6.99	0.000	-.010121	-.0056044
tsd_medicare_miss	-.0097343	.0033029	-2.95	0.005	-.0163652	-.0031035
tsd_depend_1	-.0033329	.0010179	-3.27	0.002	-.0053765	-.0012893
tsd_depend_2	-.0016589	.0007565	-2.19	0.033	-.0031776	-.0001403
tsd_depend_miss	-.0084035	.0026699	-3.15	0.003	-.0137635	-.0030434
tsd_vrpr	.0141841	.0017113	8.29	0.000	.0107486	.0176197
tsd_vrpr_miss	.0030083	.0018965	1.59	0.119	-.000799	.0068157
pdcgrou2	.0015046	.0011765	1.28	0.207	-.0008573	.0038666
pdcgrou3	.0036956	.0012216	3.03	0.004	.0012431	.0061482
pdcgrou4	.0030533	.0008519	3.58	0.001	.0013431	.0047636

pdgroup5	-.0079347	.0035743	-2.22	0.031	-.0151104	-.0007591
cohort2000	-.0028653	.0011748	-2.44	0.018	-.0052238	-.0005068
cohort2001	-.0022401	.0019481	-1.15	0.256	-.0061511	.0016709
cohort2002	-.000945	.0032255	-0.29	0.771	-.0074204	.0055304
cohort2003	.0040594	.0037757	1.08	0.287	-.0035207	.0116395
cohort2004	.0016538	.0053287	0.31	0.758	-.009044	.0123515
award_b4_tsd	.0005599	.0033958	0.16	0.870	-.0062575	.0073773
diaward_tsd	-.0003979	.0000917	-4.34	0.000	-.000582	-.0002138
epeb4twp_flag	.0235925	.0257243	0.92	0.363	-.0280511	.0752361
ldwb4twp_flag	.0144334	.0122715	1.18	0.245	-.0102026	.0390694
ldwb4epe_flag	.0965871	.0202266	4.78	0.000	.0559806	.1371936
twpb4tsd	.2072081	.0065453	31.66	0.000	.194068	.2203483
epeb4tsd	-.0828694	.0081531	-10.16	0.000	-.0992374	-.0665015
ldwb4tsd	-.0479203	.0033828	-14.17	0.000	-.0547115	-.0411291
st_AL	-.0009126	.0044222	-0.21	0.837	-.0097906	.0079654
st_AR	-.0129434	.002728	-4.74	0.000	-.0184202	-.0074666
st_AZ	-.0061849	.0034711	-1.78	0.081	-.0131534	.0007835
st_CA	.0062909	.0031678	1.99	0.052	-.0000688	.0126506
st_CO	-.0125722	.002756	-4.56	0.000	-.0181052	-.0070392
st_CT	-.0005665	.0032689	-0.17	0.863	-.0071291	.0059961
st_DC	.0094473	.0013026	7.25	0.000	.0068322	.0120623
st_DE	-.0268774	.0053045	-5.07	0.000	-.0375267	-.0162281
st_FL	-.0071999	.0040304	-1.79	0.080	-.0152913	.0008916
st_GA	-.0086057	.0042767	-2.01	0.049	-.0171915	-.0000199
st_HI	-.0045677	.0078134	-0.58	0.561	-.0202537	.0111184
st_IA	-.0271603	.0046847	-5.80	0.000	-.0365653	-.0177554
st_ID	.000257	.0050521	0.05	0.960	-.0098855	.0103995
st_IL	-.0132462	.0019075	-6.94	0.000	-.0170757	-.0094167
st_IN	-.0080281	.0034662	-2.32	0.025	-.0149868	-.0010695
st_KS	-.002656	.0030735	-0.86	0.392	-.0088263	.0035143
st_KY	-.0153072	.0020456	-7.48	0.000	-.0194139	-.0112004
st_LA	-.0043353	.0020969	-2.07	0.044	-.008545	-.0001256
st_MA	-.0056274	.0032456	-1.73	0.089	-.0121433	.0008884
st_MD	.0085809	.0053697	1.60	0.116	-.0021992	.0193611
st_ME	.0066216	.0049687	1.33	0.189	-.0033535	.0165968
st_MI	.0002993	.0008805	0.34	0.735	-.0014684	.002067
st_MN	.0073563	.0049676	1.48	0.145	-.0026166	.0173291
st_MO	-.0074871	.0030491	-2.46	0.018	-.0136083	-.0013658
st_MS	-.004981	.0018415	-2.70	0.009	-.008678	-.001284
st_MT	-.0032502	.0050956	-0.64	0.526	-.0134801	.0069798
st_NC	-.0027079	.0037888	-0.71	0.478	-.0103141	.0048984
st_ND	-.0005263	.0061191	-0.09	0.932	-.0128108	.0117583
st_NE	-.0037985	.0059314	-0.64	0.525	-.0157062	.0081092
st_NH	.0046964	.0047852	0.98	0.331	-.0049104	.0143032
st_NJ	-.000454	.0027806	-0.16	0.871	-.0060363	.0051284
st_NM	-.0027181	.0028393	-0.96	0.343	-.0084182	.0029819
st_NV	-.0058489	.0035089	-1.67	0.102	-.0128934	.0011956
st_NY	-.0098752	.0024013	-4.11	0.000	-.014696	-.0050543
st_OH	.0025066	.0030769	0.81	0.419	-.0036705	.0086838
st_OK	-.0145354	.0033507	-4.34	0.000	-.0212623	-.0078085
st_OR	-.021689	.0014971	-14.49	0.000	-.0246946	-.0186834
st_PA	.0041592	.0039172	1.06	0.293	-.003705	.0120234
st_PR	.0021251	.0052185	0.41	0.686	-.0083514	.0126017
st_RI	.0124838	.0040694	3.07	0.003	.0043141	.0206535
st_SC	-.0019759	.0015475	-1.28	0.207	-.0050826	.0011307
st_SD	-.0107907	.0061761	-1.75	0.087	-.0231897	.0016082
st_TN	-.0068701	.0029462	-2.33	0.024	-.0127849	-.0009553
st_TX	.0030557	.0033674	0.91	0.368	-.0037047	.0098161
st_UT	.004058	.0045118	0.90	0.373	-.0049997	.0131158
st_VA	-.0070168	.0053085	-1.32	0.192	-.017674	.0036404
st_VT	-.0324157	.0053208	-6.09	0.000	-.0430976	-.0217338
st_WA	.0074822	.0031134	2.40	0.020	.0012317	.0137326
st_WI	-.010952	.0034878	-3.14	0.003	-.0179541	-.00395

st_WV	-.0036426	.0041847	-0.87	0.388	-.0120437	.0047585
st_WY	.0092397	.0059299	1.56	0.125	-.0026652	.0211445
tsd_unemp_mean	-.0014478	.0015212	-0.95	0.346	-.0045017	.0016061
tsd_unemp_cng	.0009472	.0011449	0.83	0.412	-.0013513	.0032456
pial	-.000011	3.48e-06	-3.15	0.003	-.000018	-3.99e-06
pia_miss	-.0159574	.0032772	-4.87	0.000	-.0225367	-.0093781
ime1	3.86e-06	1.12e-06	3.43	0.001	1.60e-06	6.11e-06
ime_miss	-.001159	.0014976	-0.77	0.443	-.0041655	.0018475
phase2_st	.0049254	.0026822	1.84	0.072	-.0004594	.0103102
_cons	.0546804	.0123249	4.44	0.000	.0299371	.0794237

(1) motoimm = 0

F(1, 51) = 0.67
 Prob > F = 0.4169

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(48, 51) = .
 Prob > F = .
 R-squared = 0.1244
 Root MSE = .20009

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0000777	.0001515	-0.51	0.610	-.0003819	.0002266
male	.0025569	.0011231	2.28	0.027	.0003022	.0048117
gendermiss_flag	-.0393242	.0117092	-3.36	0.001	-.0628314	-.0158171
tsd_age	-.0011954	.0001133	-10.55	0.000	-.0014229	-.0009679
doage2	-.0002493	.0001266	-1.97	0.054	-.0005036	4.92e-06
doage2miss_flag	-.0731352	.0195219	-3.75	0.000	-.1123271	-.0339434
race_a	.004324	.0036082	1.20	0.236	-.0029198	.0115678
race_b	.0106264	.0016023	6.63	0.000	.0074097	.0138432
race_h	-.0005482	.0014492	-0.38	0.707	-.0034575	.0023611
race_i	-.0058643	.0047286	-1.24	0.221	-.0153574	.0036287
race_o	.0071732	.0059653	1.20	0.235	-.0048028	.0191491
race_mis	.0001735	.0032418	0.05	0.958	-.0063346	.0066817
tsd_edu_hs	.003233	.0011036	2.93	0.005	.0010174	.0054486
tsd_edu_mrhs	.0159011	.0015934	9.98	0.000	.0127021	.0191
tsd_edu_mis	.0113583	.0013374	8.49	0.000	.0086734	.0140432
tsd_mie_exp	-.0040549	.0031083	-1.30	0.198	-.0102951	.0021852
tsd_mie_mis	-.0109568	.0017641	-6.21	0.000	-.0144984	-.0074152
tsd_mie_psbl	-.0083374	.0011923	-6.99	0.000	-.010731	-.0059439
tsd_medicare	-.0128068	.0016905	-7.58	0.000	-.0162007	-.009413
tsd_medicare_miss	-.0213519	.0054556	-3.91	0.000	-.0323045	-.0103994
tsd_depend_1	-.0054043	.0014146	-3.82	0.000	-.0082443	-.0025643
tsd_depend_2	-.0031701	.0011073	-2.86	0.006	-.0053932	-.000947
tsd_depend_miss	-.0202091	.0045502	-4.44	0.000	-.029344	-.0110741
tsd_vrpr	.0080469	.0033504	2.40	0.020	.0013207	.0147731
tsd_vrpr_miss	-.0207736	.0034465	-6.03	0.000	-.0276927	-.0138545
pdgroup2	-.0029941	.0017573	-1.70	0.094	-.006522	.0005337
pdgroup3	.0023773	.0014793	1.61	0.114	-.0005924	.0053471
pdgroup4	.0003747	.00126	0.30	0.767	-.0021549	.0029043
pdgroup5	-.0105401	.0082737	-1.27	0.208	-.0271502	.0060699
cohort2000	-.0071321	.0016458	-4.33	0.000	-.0104362	-.003828
cohort2001	-.0097702	.0030599	-3.19	0.002	-.0159132	-.0036271

cohort2002	-.0091383	.0044663	-2.05	0.046	-.0181047	-.0001719
cohort2003	-.001047	.0053931	-0.19	0.847	-.0118741	.0097801
cohort2004	-.001198	.0094728	-0.13	0.900	-.0202155	.0178194
award_b4_tsd	.011244	.0061881	1.82	0.075	-.0011792	.0236672
diaward_tsd	-.0008035	.0001501	-5.35	0.000	-.0011048	-.0005023
epeb4twp_flag	.0344322	.034909	0.99	0.329	-.0356506	.104515
ldwb4twp_flag	.0115097	.0173035	0.67	0.509	-.0232285	.0462479
ldwb4epe_flag	.2429198	.0268728	9.04	0.000	.1889704	.2968692
twpb4tsd	.2731175	.0065179	41.90	0.000	.2600323	.2862027
epeb4tsd	-.1279901	.0096158	-13.31	0.000	-.1472947	-.1086855
ldwb4tsd	-.0750566	.0042484	-17.67	0.000	-.0835855	-.0665277
st_AL	.0093833	.0054844	1.71	0.093	-.0016271	.0203937
st_AR	-.0105309	.0033388	-3.15	0.003	-.0172337	-.003828
st_AZ	-.0041651	.004552	-0.91	0.365	-.0133037	.0049736
st_CA	.0197933	.0039463	5.02	0.000	.0118708	.0277158
st_CO	-.0182922	.0035793	-5.11	0.000	-.0254779	-.0111064
st_CT	.0165504	.0041658	3.97	0.000	.0081872	.0249135
st_DC	.0264384	.0015146	17.46	0.000	.0233977	.029479
st_DE	-.0068629	.0069152	-0.99	0.326	-.0207456	.0070199
st_FL	-.002019	.0052313	-0.39	0.701	-.0125213	.0084833
st_GA	-.0035542	.0052935	-0.67	0.505	-.0141814	.0070729
st_HI	.0205067	.0088351	2.32	0.024	.0027695	.038244
st_IA	-.0027787	.0060361	-0.46	0.647	-.0148966	.0093393
st_ID	.0156627	.0062668	2.50	0.016	.0030815	.0282439
st_IL	-.004989	.0026667	-1.87	0.067	-.0103426	.0003645
st_IN	-.0005907	.0043667	-0.14	0.893	-.0093572	.0081758
st_KS	.0096671	.0038271	2.53	0.015	.0019838	.0173504
st_KY	-.0156465	.0025943	-6.03	0.000	-.0208547	-.0104384
st_LA	.0007841	.0025542	0.31	0.760	-.0043438	.0059119
st_MA	.0105339	.0044105	2.39	0.021	.0016795	.0193883
st_MD	.0274241	.0066306	4.14	0.000	.0141127	.0407355
st_ME	.0273181	.0061708	4.43	0.000	.0149298	.0397064
st_MI	.003298	.0010462	3.15	0.003	.0011976	.0053984
st_MN	.0335745	.0061625	5.45	0.000	.0212028	.0459462
st_MO	-.0050543	.0038496	-1.31	0.195	-.0127828	.0026742
st_MS	-.0047189	.0022899	-2.06	0.044	-.0093161	-.0001218
st_MT	.0002433	.006533	0.04	0.970	-.0128722	.0133588
st_NC	.0042645	.004788	0.89	0.377	-.0053477	.0138768
st_ND	.0092355	.0078107	1.18	0.243	-.0064452	.0249163
st_NE	.0132849	.007311	1.82	0.075	-.0013926	.0279623
st_NH	.0176459	.0062203	2.84	0.007	.0051582	.0301337
st_NJ	.0046905	.0035066	1.34	0.187	-.0023493	.0117302
st_NM	.007402	.0033676	2.20	0.033	.0006412	.0141628
st_NV	.0008016	.0044559	0.18	0.858	-.008144	.0097472
st_NY	-.0015088	.0032874	-0.46	0.648	-.0081087	.005091
st_OH	.0130913	.0039721	3.30	0.002	.0051171	.0210655
st_OK	.0023044	.0042815	0.54	0.593	-.0062911	.0108998
st_OR	-.0277881	.0020852	-13.33	0.000	-.0319744	-.0236019
st_PA	.0171534	.0048809	3.51	0.001	.0073547	.0269522
st_PR	-.0080859	.007528	-1.07	0.288	-.023199	.0070271
st_RI	.0395316	.0051784	7.63	0.000	.0291356	.0499276
st_SC	-.0103713	.0023466	-4.42	0.000	-.0150823	-.0056603
st_SD	.0089885	.0079214	1.13	0.262	-.0069143	.0248914
st_TN	-.0032436	.0036755	-0.88	0.382	-.0106225	.0041353
st_TX	.013677	.0041467	3.30	0.002	.0053522	.0220017
st_UT	.0154007	.0054977	2.80	0.007	.0043636	.0264378
st_VA	.0049168	.0066905	0.73	0.466	-.0085148	.0183485
st_VT	-.0462763	.0069917	-6.62	0.000	-.0603126	-.0322399
st_WA	.021319	.0039009	5.47	0.000	.0134876	.0291505
st_WI	.0125807	.0047222	2.66	0.010	.0031004	.022061
st_WV	.0125464	.0051987	2.41	0.019	.0021095	.0229832
st_WY	.0248752	.0073041	3.41	0.001	.0102116	.0395388
tsd_unemp_mean	.0009379	.0019491	0.48	0.632	-.0029751	.004851

tsd_unemp_cng	.0006589	.0010592	0.62	0.537	-.0014676	.0027854
pial	-6.68e-06	4.57e-06	-1.46	0.150	-.0000159	2.50e-06
pia_miss	-.0104598	.0050152	-2.09	0.042	-.0205283	-.0003914
ime1	3.66e-06	1.35e-06	2.71	0.009	9.49e-07	6.36e-06
ime_miss	-.0126171	.0022554	-5.59	0.000	-.0171451	-.0080892
phase2_st	.0053182	.0039236	1.36	0.181	-.0025587	.013195
_cons	.1205307	.016882	7.14	0.000	.0866387	.1544227

(1) motoimm = 0

F(1, 51) = 0.26
 Prob > F = 0.6105

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L

PM_PH2_PH3_unemp.xls

dir : seeout

Linear regression

Number of obs = 191505
 F(48, 51) = .
 Prob > F = .
 R-squared = 0.1230
 Root MSE = .23586

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0001425	.000161	-0.89	0.380	-.0004657	.0001807
male	.0035199	.0015514	2.27	0.028	.0004053	.0066345
gendermiss_flag	-.0648591	.0202395	-3.20	0.002	-.1054917	-.0242265
tsd_age	-.0020678	.0001483	-13.94	0.000	-.0023656	-.0017701
doage2	-.0002446	.0001413	-1.73	0.089	-.0005283	.000039
doage2miss_flag	-.0902703	.0053614	-16.84	0.000	-.1010337	-.0795069
race_a	.0024673	.0057399	0.43	0.669	-.009056	.0139905
race_b	.0164457	.0017891	9.19	0.000	.012854	.0200375
race_h	-.0020173	.0015643	-1.29	0.203	-.0051577	.0011231
race_i	.0016605	.0069545	0.24	0.812	-.0123012	.0156223
race_o	.0035506	.006374	0.56	0.580	-.0092458	.0163469
race_mis	-.0016653	.0044115	-0.38	0.707	-.0105218	.0071913
tsd_edu_hs	.0059464	.001254	4.74	0.000	.0034289	.0084639
tsd_edu_mrhs	.0229088	.0016427	13.95	0.000	.0196109	.0262067
tsd_edu_mis	.0140496	.00157	8.95	0.000	.0108978	.0172014
tsd_mie_exp	-.0037535	.0039693	-0.95	0.349	-.0117223	.0042153
tsd_mie_mis	-.012549	.002383	-5.27	0.000	-.0173331	-.0077648
tsd_mie_psbl	-.0102125	.0016205	-6.30	0.000	-.0134658	-.0069591
tsd_medicare	-.0180139	.0020753	-8.68	0.000	-.0221802	-.0138475
tsd_medicare_miss	-.0270941	.0072114	-3.76	0.000	-.0415715	-.0126167
tsd_depend_1	-.0068517	.0017824	-3.84	0.000	-.0104299	-.0032735
tsd_depend_2	-.0026078	.0012922	-2.02	0.049	-.005202	-.0000137
tsd_depend_miss	-.0265786	.0054875	-4.84	0.000	-.0375952	-.015562
tsd_vrpr	-.0132137	.004732	-2.79	0.007	-.0227135	-.0037139
tsd_vrpr_miss	-.0559858	.005043	-11.10	0.000	-.06611	-.0458616
pdcgrou2	-.0096305	.0024543	-3.92	0.000	-.0145577	-.0047032
pdcgrou3	.0000475	.0019201	0.02	0.980	-.0038074	.0039023
pdcgrou4	-.0038453	.001723	-2.23	0.030	-.0073045	-.0003861
pdcgrou5	-.0133611	.0121175	-1.10	0.275	-.037688	.0109657
cohort2000	-.0107666	.0020368	-5.29	0.000	-.0148557	-.0066775
cohort2001	-.0127731	.0035933	-3.55	0.001	-.0199869	-.0055592
cohort2002	-.0132698	.0054148	-2.45	0.018	-.0241404	-.0023991
cohort2003	-.0054059	.0058064	-0.93	0.356	-.0170628	.006251
cohort2004	.0171723	.0115705	1.48	0.144	-.0060566	.0404011

award_b4_tsd	.0201767	.0068288	2.95	0.005	.0064674	.0338859
diaward_tsd	-.0009425	.0001716	-5.49	0.000	-.001287	-.000598
epeb4twp_flag	.0437009	.0392491	1.11	0.271	-.0350949	.1224967
ldwb4twp_flag	.003115	.0205913	0.15	0.880	-.0382238	.0444538
ldwb4epe_flag	.3683265	.0240891	15.29	0.000	.3199656	.4166874
twpb4tsd	.2998771	.0064553	46.45	0.000	.2869177	.3128366
epeb4tsd	-.1604455	.009217	-17.41	0.000	-.1789493	-.1419416
ldwb4tsd	-.0917143	.0044966	-20.40	0.000	-.1007415	-.0826871
st_AL	-.0166209	.0053783	-3.09	0.003	-.0274182	-.0058236
st_AR	-.0278967	.0032977	-8.46	0.000	-.034517	-.0212764
st_AZ	-.0282841	.0041386	-6.83	0.000	-.0365927	-.0199754
st_CA	.0025722	.0037906	0.68	0.500	-.0050376	.0101821
st_CO	-.0293631	.0033276	-8.82	0.000	-.0360436	-.0226827
st_CT	.0040032	.00392	1.02	0.312	-.0038666	.011873
st_DC	.0042431	.0020258	2.09	0.041	.0001761	.0083101
st_DE	-.0476985	.0063092	-7.56	0.000	-.0603648	-.0350321
st_FL	-.0207123	.0047874	-4.33	0.000	-.0303234	-.0111012
st_GA	-.0197148	.0048784	-4.04	0.000	-.0295087	-.0099209
st_HI	.0011287	.007434	0.15	0.880	-.0137958	.0160531
st_IA	.008479	.005613	1.51	0.137	-.0027895	.0197476
st_ID	-.0054754	.0059014	-0.93	0.358	-.017323	.0063722
st_IL	-.0127676	.0024788	-5.15	0.000	-.0177441	-.0077911
st_IN	-.0174243	.0042242	-4.12	0.000	-.0259046	-.0089439
st_KS	-.0048806	.0037333	-1.31	0.197	-.0123754	.0026143
st_KY	-.0388098	.0026871	-14.44	0.000	-.0442045	-.0334151
st_LA	-.0167561	.0026153	-6.41	0.000	-.0220066	-.0115056
st_MA	.0067154	.0041741	1.61	0.114	-.0016645	.0150952
st_MD	.0063296	.0062825	1.01	0.318	-.0062831	.0189423
st_ME	.0099848	.0059699	1.67	0.101	-.0020003	.0219698
st_MI	-.0148521	.0013414	-11.07	0.000	-.0175449	-.0121592
st_MN	.0144646	.0059078	2.45	0.018	.0026041	.026325
st_MO	-.0246322	.0037676	-6.54	0.000	.0321959	-.0170684
st_MS	-.0252999	.0024395	-10.37	0.000	-.0301975	-.0204023
st_MT	-.0182908	.0060732	-3.01	0.004	-.0304834	-.0060983
st_NC	-.01921	.0046902	-4.10	0.000	-.0286259	-.009794
st_ND	-.010818	.0072699	-1.49	0.143	-.0254128	.0037769
st_NE	-.0082494	.0069558	-1.19	0.241	-.0222137	.0057149
st_NH	.0176243	.005792	3.04	0.004	.0059964	.0292521
st_NJ	-.0107835	.0033805	-3.19	0.002	-.0175701	-.003997
st_NM	-.0076361	.0032757	-2.33	0.024	-.0142123	-.0010599
st_NV	-.0111031	.0041357	-2.68	0.010	-.019406	-.0028003
st_NY	-.0099965	.0030593	-3.27	0.002	-.0161383	-.0038547
st_OH	-.0117297	.0040841	-2.87	0.006	-.0199288	-.0035305
st_OK	-.0001463	.0039019	-0.04	0.970	-.0079798	.0076872
st_OR	-.0289868	.002033	-14.26	0.000	-.0330683	-.0249054
st_PA	-.0050506	.0047883	-1.05	0.297	-.0146636	.0045624
st_PR	-.0369491	.007186	-5.14	0.000	-.0513757	-.0225226
st_RI	.0228474	.0048357	4.72	0.000	.0131392	.0325556
st_SC	-.0374793	.002436	-15.39	0.000	-.0423698	-.0325888
st_SD	-.0202815	.0073087	-2.77	0.008	-.0349544	-.0056087
st_TN	-.02538	.0036784	-6.90	0.000	-.0327647	-.0179953
st_TX	-.0099139	.0041534	-2.39	0.021	-.0182522	-.0015755
st_UT	-.0068786	.005355	-1.28	0.205	-.0176293	.003872
st_VA	-.0103024	.0062859	-1.64	0.107	-.0229219	.002317
st_VT	-.0476256	.0065661	-7.25	0.000	-.0608075	-.0344437
st_WA	.0016963	.0039298	0.43	0.668	-.006193	.0095856
st_WI	-.0135404	.0043828	-3.09	0.003	-.0223393	-.0047415
st_WV	-.0110983	.0051159	-2.17	0.035	-.0213689	-.0008277
st_WY	-.0069203	.0069416	-1.00	0.324	-.020856	.0070155
tsd_unemp_mean	.0009243	.0017609	0.52	0.602	-.0026109	.0044595
tsd_unemp_cng	.0007438	.000883	0.84	0.404	-.001029	.0025165
pial	1.88e-06	6.43e-06	0.29	0.770	-.000011	.0000148
pia_miss	-.0049189	.0063673	-0.77	0.443	-.0177019	.0078641

ime1	5.78e-07	1.55e-06	0.37	0.712	-2.54e-06	3.70e-06
ime_miss	-.0263246	.0026395	-9.97	0.000	-.0316236	-.0210256
phase2_st	-.0005445	.0040302	-0.14	0.893	-.0086355	.0075464
_cons	.2349747	.0174802	13.44	0.000	.1998817	.2700677

(1) motoimm = 0

F(1, 51) = 0.78
 Prob > F = 0.3801

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(48, 51) = .
 Prob > F = .
 R-squared = 0.1192
 Root MSE = .25724

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0002163	.0001873	-1.15	0.254	-.0005923	.0001597
male	.0032999	.0015122	2.18	0.034	.0002641	.0063357
gendermiss_flag	-.0826511	.0268275	-3.08	0.003	-.1365097	-.0287926
tsd_age	-.0026782	.000193	-13.88	0.000	-.0030656	-.0022908
doage2	-.0001807	.0001717	-1.05	0.298	-.0005255	.0001641
doage2miss_flag	-.0931779	.0146318	-6.37	0.000	-.1225525	-.0638033
race_a	.0007468	.0079746	0.09	0.926	-.0152628	.0167565
race_b	.0171392	.0018793	9.12	0.000	.0133663	.0209121
race_h	-.0016369	.0017028	-0.96	0.341	-.0050554	.0017816
race_i	.0025984	.0085957	0.30	0.764	-.0146581	.0198549
race_o	.003303	.0058287	0.57	0.573	-.0083986	.0150046
race_mis	-.0066359	.0046542	-1.43	0.160	-.0159795	.0027078
tsd_edu_hs	.007358	.0014148	5.20	0.000	.0045176	.0101984
tsd_edu_mrhs	.0284758	.0016584	17.17	0.000	.0251463	.0318052
tsd_edu_mis	.0156339	.0017629	8.87	0.000	.0120947	.0191732
tsd_mie_exp	-.0035304	.0045938	-0.77	0.446	-.0127528	.005692
tsd_mie_mis	-.0131198	.0023334	-5.62	0.000	-.0178042	-.0084353
tsd_mie_psbl	-.0090866	.0016248	-5.59	0.000	-.0123486	-.0058247
tsd_medicare	-.0201062	.002198	-9.15	0.000	-.024519	-.0156935
tsd_medicare_miss	-.0341888	.0086542	-3.95	0.000	-.0515629	-.0168147
tsd_depend_1	-.0065618	.0018504	-3.55	0.001	-.0102767	-.0028469
tsd_depend_2	-.0005591	.0012876	-0.43	0.666	-.0031441	.0020258
tsd_depend_miss	-.0303018	.0061863	-4.90	0.000	-.0427213	-.0178824
tsd_vrpr	-.0310682	.0046592	-6.67	0.000	-.0404218	-.0217145
tsd_vrpr_miss	-.0836261	.0050434	-16.58	0.000	-.0937511	-.0735011
pdcgrou2	-.0130522	.0027765	-4.70	0.000	-.0186261	-.0074782
pdcgrou3	-.0018419	.0020016	-0.92	0.362	-.0058603	.0021765
pdcgrou4	-.0061434	.0020676	-2.97	0.005	-.0102943	-.0019925
pdcgrou5	-.0249522	.0117713	-2.12	0.039	-.0485841	-.0013203
cohort2000	-.0117006	.0024951	-4.69	0.000	-.0167097	-.0066915
cohort2001	-.0143639	.004507	-3.19	0.002	-.023412	-.0053157
cohort2002	-.0143779	.0066332	-2.17	0.035	-.0276946	-.0010612
cohort2003	-.0065645	.0073769	-0.89	0.378	-.0213742	.0082453
cohort2004	.0191075	.0115561	1.65	0.104	-.0040923	.0423073
award_b4_tsd	.027658	.0078456	3.53	0.001	.0119073	.0434088
diaward_tsd	-.0010129	.000217	-4.67	0.000	-.0014484	-.0005773
epeb4twp_flag	.0455582	.0407897	1.12	0.269	-.0363305	.127447

ldwb4twp_flag	-.0040288	.0218691	-0.18	0.855	-.0479329	.0398753
ldwb4epe_flag	.4808463	.0245403	19.59	0.000	.4315795	.5301131
twpb4tsd	.3034789	.0063966	47.44	0.000	.2906372	.3163205
ep eb4tsd	-.1768732	.0089761	-19.70	0.000	-.1948935	-.1588529
ldwb4tsd	-.1006079	.0045544	-22.09	0.000	-.1097513	-.0914645
st_AL	-.0298686	.0058588	-5.10	0.000	-.0416306	-.0181066
st_AR	-.0317856	.0038413	-8.27	0.000	-.0394974	-.0240738
st_AZ	-.0311877	.0043591	-7.15	0.000	-.039939	-.0224364
st_CA	-.0050054	.0041052	-1.22	0.228	-.0132471	.0032362
st_CO	-.0440383	.0035606	-12.37	0.000	-.0511864	-.0368901
st_CT	.0004569	.0044277	0.10	0.918	-.008432	.0093458
st_DC	.011221	.0023313	4.81	0.000	.0065408	.0159012
st_DE	-.0364268	.006777	-5.38	0.000	-.0500323	-.0228213
st_FL	-.0179551	.0050501	-3.56	0.001	-.0280935	-.0078167
st_GA	-.0235815	.0055434	-4.25	0.000	-.0347105	-.0124526
st_HI	-.0082071	.0085027	-0.97	0.339	-.0252771	.0088628
st_IA	.0145357	.0061601	2.36	0.022	.0021688	.0269026
st_ID	-.0159327	.0064035	-2.49	0.016	-.0287882	-.0030772
st_IL	-.0171843	.0026746	-6.42	0.000	-.0225539	-.0118147
st_IN	-.0224117	.0047351	-4.73	0.000	-.0319178	-.0129056
st_KS	-.002765	.0043738	-0.63	0.530	-.0115459	.0060158
st_KY	-.0436932	.0030244	-14.45	0.000	-.0497649	-.0376216
st_LA	-.0156144	.0031059	-5.03	0.000	-.0218498	-.009379
st_MA	.0087266	.0043366	2.01	0.049	.0000206	.0174326
st_MD	-.0064138	.0069421	-0.92	0.360	-.0203507	.007523
st_ME	-.0002248	.0065118	-0.03	0.973	-.0132978	.0128482
st_MI	-.0201887	.0017327	-11.65	0.000	-.0236672	-.0167102
st_MN	.0024289	.0064345	0.38	0.707	-.0104889	.0153466
st_MO	-.0258054	.0042296	-6.10	0.000	-.0342966	-.0173141
st_MS	-.0298559	.0028387	-10.52	0.000	-.0355547	-.0241571
st_MT	-.0225678	.0065937	-3.42	0.001	-.0358053	-.0093303
st_NC	-.034016	.0051197	-6.64	0.000	-.0442943	-.0237377
st_ND	-.0092958	.0080172	-1.16	0.252	-.0253911	.0067994
st_NE	-.013529	.0076774	-1.76	0.084	-.028942	.001884
st_NH	.030404	.0062282	4.88	0.000	.0179004	.0429076
st_NJ	-.0132161	.003712	-3.56	0.001	-.0206683	-.0057638
st_NM	-.0067989	.0034912	-1.95	0.057	-.0138077	.0002099
st_NV	-.0178153	.0044557	-4.00	0.000	-.0267605	-.00887
st_NY	-.0081327	.0031456	-2.59	0.013	-.0144477	-.0018178
st_OH	-.0235857	.0046466	-5.08	0.000	-.0329142	-.0142573
st_OK	-.0051554	.004285	-1.20	0.234	-.0137578	.003447
st_OR	-.006376	.0021275	-3.00	0.004	-.0106471	-.0021049
st_PA	-.0123648	.0052966	-2.33	0.024	-.0229981	-.0017315
st_PR	-.0554453	.0076898	-7.21	0.000	-.0708833	-.0400074
st_RI	.0146709	.0053112	2.76	0.008	.0040082	.0253337
st_SC	-.0475913	.0026008	-18.30	0.000	-.0528127	-.04237
st_SD	-.0159287	.0080517	-1.98	0.053	-.0320932	.0002357
st_TN	-.0301451	.0041852	-7.20	0.000	-.0385472	-.0217429
st_TX	-.0200852	.0045977	-4.37	0.000	-.0293155	-.0108549
st_UT	-.0169801	.0059319	-2.86	0.006	-.0288889	-.0050713
st_VA	-.0106928	.0069569	-1.54	0.130	-.0246593	.0032737
st_VT	.0106114	.0069249	1.53	0.132	-.0032909	.0245137
st_WA	-.0099379	.0043588	-2.28	0.027	-.0186884	-.0011873
st_WI	-.0128322	.0046706	-2.75	0.008	-.0222089	-.0034555
st_WV	-.0210614	.005647	-3.73	0.000	-.0323983	-.0097245
st_WY	-.0017612	.007714	-0.23	0.820	-.0172477	.0137254
tsd_unemp_mean	.0011856	.0019113	0.62	0.538	-.0026514	.0050227
tsd_unemp_cng	.0000181	.0014379	0.01	0.990	-.0028685	.0029048
pia1	9.09e-06	8.11e-06	1.12	0.267	-7.19e-06	.0000254
pia_miss	.0002411	.0067605	0.04	0.972	-.0133312	.0138134
ime1	-1.70e-06	2.00e-06	-0.85	0.399	-5.71e-06	2.31e-06
ime_miss	-.0337206	.0028972	-11.64	0.000	-.0395369	-.0279043
phase2_st	-.0066595	.0047344	-1.41	0.166	-.0161642	.0028451

_cons | .3036809 .0190956 15.90 0.000 .2653449 .342017

(1) motoimm = 0

F(1, 51) = 1.33
 Prob > F = 0.2536

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(48, 51) = .
 Prob > F = .
 R-squared = 0.0182
 Root MSE = .17915

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0000115	.0001262	-0.09	0.928	-.0002649	.0002419
male	.0023583	.0010151	2.32	0.024	.0003205	.0043961
gendermiss_flag	-.0421886	.012659	-3.33	0.002	-.0676027	-.0167745
tsd_age	-.0013191	.0001351	-9.76	0.000	-.0015903	-.0010478
doage2	.0001093	.0001158	0.94	0.350	-.0001231	.0003417
doage2miss_flag	-.0024115	.0267161	-0.09	0.928	-.0560464	.0512234
race_a	.0006284	.0034205	0.18	0.855	-.0062386	.0074953
race_b	.0075012	.001247	6.02	0.000	.0049978	.0100046
race_h	-1.47e-06	.0010565	-0.00	0.999	-.0021224	.0021194
race_i	-.0037579	.0048469	-0.78	0.442	-.0134884	.0059726
race_o	.0109497	.0069694	1.57	0.122	-.0030419	.0249413
race_mis	-.0019807	.0038509	-0.51	0.609	-.0097117	.0057504
tsd_edu_hs	.0021771	.0009487	2.29	0.026	.0002725	.0040818
tsd_edu_mrhs	.0111858	.0015157	7.38	0.000	.008143	.0142287
tsd_edu_mis	.0034623	.001377	2.51	0.015	.0006977	.0062268
tsd_mie_exp	.0103378	.0028243	3.66	0.001	.0046678	.0160078
tsd_mie_mis	-.0025795	.0010111	-2.55	0.014	-.0046093	-.0005496
tsd_mie_psbl	.0042421	.0010518	4.03	0.000	.0021305	.0063536
tsd_medicare	-.0146694	.0013514	-10.85	0.000	-.0173825	-.0119563
tsd_medicare_miss	-.0161884	.0045626	-3.55	0.001	-.0253482	-.0070286
tsd_depend_1	-.0038534	.001362	-2.83	0.007	-.0065876	-.0011192
tsd_depend_2	-.0007175	.0010652	-0.67	0.504	-.002856	.0014211
tsd_depend_miss	-.0156847	.0033238	-4.72	0.000	-.0223575	-.0090119
tsd_vrpr	-.0143735	.0036448	-3.94	0.000	-.0216906	-.0070563
tsd_vrpr_miss	-.0398788	.0032034	-12.45	0.000	-.0463098	-.0334478
pdcgrou2	-.0092555	.002248	-4.12	0.000	-.0137684	-.0047425
pdcgrou3	-.0071491	.0019211	-3.72	0.000	-.0110059	-.0032923
pdcgrou4	-.0063703	.0017431	-3.65	0.001	-.0098698	-.0028708
pdcgrou5	.006	.0082346	0.73	0.470	-.0105317	.0225318
cohort2000	-.0055309	.0015554	-3.56	0.001	-.0086535	-.0024083
cohort2001	-.0064177	.002201	-2.92	0.005	-.0108364	-.001999
cohort2002	-.0069531	.0031372	-2.22	0.031	-.0132514	-.0006548
cohort2003	-.0090751	.0037962	-2.39	0.021	-.0166963	-.0014539
cohort2004	-.0125415	.0092046	-1.36	0.179	-.0310204	.0059374
award_b4_tsd	.0047589	.0054905	0.87	0.390	-.0062637	.0157815
diaward_tsd	-.0003779	.000082	-4.61	0.000	-.0005425	-.0002134
epeb4twp_flag	.0469928	.0855633	0.55	0.585	-.1247827	.2187684
ldwb4twp_flag	.1059586	.0524318	2.02	0.049	.0006974	.2112198
ldwb4epe_flag	.1366296	.0330291	4.14	0.000	.0703208	.2029384
twpb4tsd	-.0137751	.0061181	-2.25	0.029	-.0260576	-.0014926

epeb4tsd	-.0263311	.0022237	-11.84	0.000	-.0307953	-.0218669
ldwb4tsd	-.016169	.0018355	-8.81	0.000	-.019854	-.012484
st_AL	.0017106	.0048392	0.35	0.725	-.0080045	.0114258
st_AR	-.0077765	.0033287	-2.34	0.023	-.0144591	-.0010939
st_AZ	.0099094	.0040076	2.47	0.017	.0018638	.0179551
st_CA	.0104361	.0034358	3.04	0.004	.0035385	.0173337
st_CO	-.0179917	.0030853	-5.83	0.000	-.0241858	-.0117977
st_CT	.0127081	.0040883	3.11	0.003	.0045005	.0209157
st_DC	.004507	.0015505	2.91	0.005	.0013943	.0076197
st_DE	.0223225	.0063317	3.53	0.001	.0096111	.0350338
st_FL	-.0025302	.004727	-0.54	0.595	-.0120201	.0069597
st_GA	-.0006083	.0052553	-0.12	0.908	-.0111588	.0099422
st_HI	.0134825	.0080468	1.68	0.100	-.0026722	.0296371
st_IA	.0252856	.0053945	4.69	0.000	.0144557	.0361155
st_ID	.0129109	.0054994	2.35	0.023	.0018704	.0239514
st_IL	-.0059378	.0023262	-2.55	0.014	-.0106079	-.0012677
st_IN	.0003934	.0041834	0.09	0.925	-.0080052	.008792
st_KS	.0075152	.0037803	1.99	0.052	-.0000741	.0151045
st_KY	-.0114138	.0025618	-4.46	0.000	-.0165567	-.0062708
st_LA	.000422	.0026904	0.16	0.876	-.0049792	.0058232
st_MA	.0234051	.0037858	6.18	0.000	.0158047	.0310055
st_MD	.0096164	.0060542	1.59	0.118	-.002538	.0217707
st_ME	.0112881	.0055175	2.05	0.046	.0002112	.0223649
st_MI	.0002905	.0012028	0.24	0.810	-.0021243	.0027053
st_MN	.0111751	.0054595	2.05	0.046	.0002147	.0221355
st_MO	.0035652	.0037047	0.96	0.340	-.0038723	.0110027
st_MS	-.0059523	.0023472	-2.54	0.014	-.0106645	-.00124
st_MT	.0008135	.0060313	0.13	0.893	-.0112949	.012922
st_NC	.0012071	.0042104	0.29	0.776	-.0072457	.0096599
st_ND	-.0051717	.0071745	-0.72	0.474	-.0195751	.0092318
st_NE	.0073223	.0066318	1.10	0.275	-.0059916	.0206362
st_NH	.0122955	.0057916	2.12	0.039	.0006684	.0239227
st_NJ	.004237	.0034223	1.24	0.221	-.0026336	.0111076
st_NM	.002444	.0030942	0.79	0.433	-.0037678	.0086559
st_NV	.0065028	.004219	1.54	0.129	-.0019672	.0149728
st_NY	.0045868	.0028455	1.61	0.113	-.0011257	.0102993
st_OH	.0020095	.0035658	0.56	0.576	-.0051491	.0091682
st_OK	-.0206032	.0039501	-5.22	0.000	-.0285333	-.012673
st_OR	.0072365	.0019083	3.79	0.000	.0034055	.0110675
st_PA	.0049141	.004344	1.13	0.263	-.0038067	.013635
st_PR	-.0177251	.0066646	-2.66	0.010	-.0311049	-.0043453
st_RI	.0181874	.0047169	3.86	0.000	.0087179	.0276569
st_SC	-.0243822	.0019956	-12.22	0.000	-.0283885	-.0203759
st_SD	.0035079	.0073502	0.48	0.635	-.0112482	.018264
st_TN	-.0049564	.0036073	-1.37	0.175	-.0121984	.0022855
st_TX	.0033914	.0036138	0.94	0.352	-.0038636	.0106465
st_UT	.0052241	.0048171	1.08	0.283	-.0044467	.0148949
st_VA	.0046462	.0064217	0.72	0.473	-.0082459	.0175382
st_VT	.0081164	.0061079	1.33	0.190	-.0041457	.0203784
st_WA	.0118792	.003429	3.46	0.001	.0049951	.0187633
st_WI	.0006845	.0040892	0.17	0.868	-.0075249	.0088939
st_WV	.0019271	.0046765	0.41	0.682	-.0074613	.0113155
st_WY	.0143738	.006482	2.22	0.031	.0013607	.0273868
tsd_unemp_mean	.0011985	.0018036	0.66	0.509	-.0024223	.0048193
tsd_unemp_cng	.0014211	.0012442	1.14	0.259	-.0010768	.003919
pial	.0000165	3.73e-06	4.42	0.000	9.01e-06	.000024
pia_miss	.0132412	.0040898	3.24	0.002	.0050306	.0214518
ime1	-4.22e-06	1.05e-06	-4.01	0.000	-6.33e-06	-2.11e-06
ime_miss	-.0192799	.0018781	-10.27	0.000	-.0230504	-.0155095
phase2_st	-.0023446	.0034276	-0.68	0.497	-.0092258	.0045366
_cons	.1241362	.0158526	7.83	0.000	.0923109	.1559616

(1) motoimm = 0

F(1, 51) = 0.01
 Prob > F = 0.9278

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(48, 51) = .
 Prob > F = .
 R-squared = 0.0321
 Root MSE = .23365

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0001471	.0001439	-1.02	0.312	-.000436	.0001419
male	.0010502	.0011067	0.95	0.347	-.0011716	.003272
gendermiss_flag	-.0791999	.0259708	-3.05	0.004	-.1313383	-.0270614
tsd_age	-.0022946	.0001934	-11.87	0.000	-.0026828	-.0019064
doage2	.0001531	.0001727	0.89	0.379	-.0001935	.0004998
doage2miss_flag	-.0024771	.0532414	-0.05	0.963	-.1093637	.1044095
race_a	-.0016928	.005793	-0.29	0.771	-.0133226	.0099371
race_b	.0128766	.0014385	8.95	0.000	.0099886	.0157646
race_h	.0001836	.0018958	0.10	0.923	-.0036224	.0039896
race_i	.0017398	.006934	0.25	0.803	-.0121808	.0156604
race_o	.0134751	.0080328	1.68	0.100	-.0026514	.0296016
race_mis	-.0049864	.0048744	-1.02	0.311	-.0147722	.0047994
tsd_edu_hs	.0044975	.0014929	3.01	0.004	.0015004	.0074945
tsd_edu_mrhs	.0194795	.0019568	9.95	0.000	.015551	.023408
tsd_edu_mis	.0052086	.0017283	3.01	0.004	.0017389	.0086783
tsd_mie_exp	.0142845	.0034425	4.15	0.000	.0073735	.0211955
tsd_mie_mis	-.0045842	.0015579	-2.94	0.005	-.0077119	-.0014565
tsd_mie_psbl	.0061747	.0016222	3.81	0.000	.002918	.0094313
tsd_medicare	-.0217207	.0015405	-14.10	0.000	-.0248133	-.0186281
tsd_medicare_miss	-.0268724	.005679	-4.73	0.000	-.0382735	-.0154712
tsd_depend_1	-.0048599	.001671	-2.91	0.005	-.0082146	-.0015052
tsd_depend_2	.0004877	.0014217	0.34	0.733	-.0023664	.0033419
tsd_depend_miss	-.0268135	.0042	-6.38	0.000	-.0352455	-.0183816
tsd_vrpr	-.0485452	.0057482	-8.45	0.000	-.0600852	-.0370052
tsd_vrpr_miss	-.0910911	.0060499	-15.06	0.000	-.1032368	-.0789454
pdcgrou2	-.0164419	.00303	-5.43	0.000	-.0225249	-.0103589
pdcgrou3	-.0104639	.0027325	-3.83	0.000	-.0159497	-.0049781
pdcgrou4	-.0132413	.0026041	-5.08	0.000	-.0184692	-.0080134
pdcgrou5	-.0005145	.0103976	-0.05	0.961	-.0213885	.0203595
cohort2000	-.0094555	.002319	-4.08	0.000	-.014111	-.0048
cohort2001	-.0128945	.0038617	-3.34	0.002	-.0206471	-.0051418
cohort2002	-.0155666	.0054465	-2.86	0.006	-.0265009	-.0046323
cohort2003	-.0223259	.0067456	-3.31	0.002	-.0358682	-.0087836
cohort2004	-.0093826	.0130994	-0.72	0.477	-.0356808	.0169156
award_b4_tsd	.0218642	.0070289	3.11	0.003	.0077532	.0359753
diaward_tsd	-.0006589	.000159	-4.14	0.000	-.0009782	-.0003396
epeb4twp_flag	.1072219	.112	0.96	0.343	-.1176275	.3320713
ldwb4twp_flag	.2931493	.0817395	3.59	0.001	.1290504	.4572482
ldwb4epe_flag	.221416	.0282341	7.84	0.000	.1647336	.2780983
twpb4tsd	-.0378345	.0083264	-4.54	0.000	-.0545504	-.0211186
epeb4tsd	-.0456448	.0031163	-14.65	0.000	-.0519011	-.0393885
ldwb4tsd	-.0254441	.0022426	-11.35	0.000	-.0299463	-.0209419
st_AL	-.006491	.0049404	-1.31	0.195	-.0164093	.0034273

st_AR	-.0082213	.0030683	-2.68	0.010	-.0143812	-.0020614
st_AZ	-.0043521	.0039015	-1.12	0.270	-.0121848	.0034806
st_CA	.0110545	.0040278	2.74	0.008	.0029684	.0191406
st_CO	-.0109007	.0030575	-3.57	0.001	-.0170389	-.0047625
st_CT	.0169543	.0036528	4.64	0.000	.0096209	.0242877
st_DC	-.0075916	.0016016	-4.74	0.000	-.0108069	-.0043764
st_DE	-.0094552	.0057706	-1.64	0.107	-.0210402	.0021298
st_FL	-.0031687	.0044003	-0.72	0.475	-.0120026	.0056653
st_GA	-.0030281	.00464	-0.65	0.517	-.0123434	.0062871
st_HI	.0123311	.0083316	1.48	0.145	-.0043952	.0290575
st_IA	.0180037	.0050484	3.57	0.001	.0078686	.0281388
st_ID	.0079107	.005532	1.43	0.159	-.0031953	.0190166
st_IL	-.0085137	.0025079	-3.39	0.001	-.0135485	-.0034789
st_IN	.0002206	.0037348	0.06	0.953	-.0072774	.0077186
st_KS	.0154075	.0034432	4.47	0.000	.0084949	.0223201
st_KY	-.017095	.002325	-7.35	0.000	-.0217627	-.0124273
st_LA	.0004288	.0023976	0.18	0.859	-.0043847	.0052422
st_MA	.0338944	.0036807	9.21	0.000	.026505	.0412837
st_MD	.0022366	.0060205	0.37	0.712	-.0098501	.0143233
st_ME	.0149197	.0056066	2.66	0.010	.0036639	.0261755
st_MI	-.0036262	.0013485	-2.69	0.010	-.0063334	-.000919
st_MN	.0104882	.005571	1.88	0.065	-.0006961	.0216724
st_MO	.0015655	.0032816	0.48	0.635	-.0050225	.0081536
st_MS	-.0125817	.001987	-6.33	0.000	-.0165709	-.0085926
st_MT	-.0012988	.0054034	-0.24	0.811	-.0121465	.0095489
st_NC	-.0082426	.004454	-1.85	0.070	-.0171843	.0006991
st_ND	-.0092319	.0064562	-1.43	0.159	-.0221934	.0037295
st_NE	.0136976	.0065672	2.09	0.042	.0005135	.0268817
st_NH	.0336788	.0050789	6.63	0.000	.0234824	.0438751
st_NJ	.0039328	.0030024	1.31	0.196	-.0020948	.0099605
st_NM	-.0001925	.0029491	-0.07	0.948	-.006113	.005728
st_NV	.0064414	.0037415	1.72	0.091	-.00107	.0139528
st_NY	.0105426	.0027872	3.78	0.000	.004947	.0161381
st_OH	-.0058484	.0041176	-1.42	0.162	-.0141148	.0024179
st_OK	.0017796	.0037753	0.47	0.639	-.0057998	.0093589
st_OR	.0164979	.00216	7.64	0.000	.0121615	.0208343
st_PA	.0031998	.0046614	0.69	0.496	-.0061583	.0125579
st_PR	-.0357939	.0067047	-5.34	0.000	-.0492542	-.0223336
st_RI	.0196425	.004953	3.97	0.000	.009699	.0295861
st_SC	-.0411345	.0021759	-18.90	0.000	-.0455029	-.0367661
st_SD	-.0109461	.0066433	-1.65	0.106	-.024283	.0023908
st_TN	-.0094358	.0032905	-2.87	0.006	-.0160418	-.0028299
st_TX	-.0016805	.00412	-0.41	0.685	-.0099518	.0065907
st_UT	-.0004665	.0050648	-0.09	0.927	-.0106345	.0097014
st_VA	.0078811	.0057163	1.38	0.174	-.0035949	.0193571
st_VT	.0370434	.0057668	6.42	0.000	.025466	.0486208
st_WA	.0092239	.0039674	2.32	0.024	.0012591	.0171887
st_WI	-.0054507	.0038812	-1.40	0.166	-.0132425	.0023411
st_WV	-.0018576	.0048513	-0.38	0.703	-.0115969	.0078817
st_WY	.0001005	.0064092	0.02	0.988	-.0127664	.0129675
tsd_unemp_mean	.0014342	.0016574	0.87	0.391	-.0018932	.0047616
tsd_unemp_cng	.0019206	.0013225	1.45	0.153	-.0007344	.0045756
pia1	.0000332	5.31e-06	6.26	0.000	.0000226	.0000439
pia_miss	.0277548	.0050053	5.55	0.000	.0177063	.0378033
ime1	-9.62e-06	1.76e-06	-5.47	0.000	-.0000132	-6.09e-06
ime_miss	-.0362473	.0033508	-10.82	0.000	-.0429743	-.0295202
phase2_st	-.0109911	.0042341	-2.60	0.012	-.0194915	-.0024907
_cons	.2536317	.0155337	16.33	0.000	.2224465	.2848169

(1) motoimm = 0

F(1, 51) = 1.04

Prob > F = 0.3117

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(48, 51) = .
 Prob > F = .
 R-squared = 0.0422
 Root MSE = .26378

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0002658	.0001528	-1.74	0.088	-.0005726	.000041
male	.0007118	.0011085	0.64	0.524	-.0015135	.0029372
gendermiss_flag	-.1046276	.0334149	-3.13	0.003	-.1717108	-.0375445
tsd_age	-.0030517	.0002621	-11.65	0.000	-.0035778	-.0025256
doage2	.0001963	.0002144	0.92	0.364	-.0002341	.0006266
doage2miss_flag	-.0048249	.0757942	-0.06	0.949	-.1569882	.1473383
race_a	-.0032972	.0059535	-0.55	0.582	-.0152492	.0086549
race_b	.0140787	.0016854	8.35	0.000	.010695	.0174624
race_h	-.0006374	.0019682	-0.32	0.747	-.0045887	.003314
race_i	.0039203	.008295	0.47	0.639	-.0127327	.0205732
race_o	.0136614	.008397	1.63	0.110	-.0031963	.0305191
race_mis	-.009411	.0049718	-1.89	0.064	-.0193923	.0005704
tsd_edu_hs	.0055414	.0019456	2.85	0.006	.0016355	.0094473
tsd_edu_mrhs	.0257684	.0021198	12.16	0.000	.0215128	.030024
tsd_edu_mis	.0056551	.001841	3.07	0.003	.0019591	.009351
tsd_mie_exp	.0198366	.0038596	5.14	0.000	.0120881	.0275851
tsd_mie_mis	-.0030014	.0019311	-1.55	0.126	-.0068782	.0008754
tsd_mie_psbl	.0093065	.0018456	5.04	0.000	.0056013	.0130118
tsd_medicare	-.0252493	.0018033	-14.00	0.000	-.0288696	-.0216291
tsd_medicare_miss	-.0367234	.0064399	-5.70	0.000	-.0496521	-.0237948
tsd_depend_1	-.0056764	.0017227	-3.30	0.002	-.0091349	-.0022179
tsd_depend_2	.0025665	.0015996	1.60	0.115	-.0006449	.0057779
tsd_depend_miss	-.0345962	.0048439	-7.14	0.000	-.0443207	-.0248716
tsd_vrpr	-.0717378	.0066119	-10.85	0.000	-.0850118	-.0584638
tsd_vrpr_miss	-.1249781	.0069952	-17.87	0.000	-.1390215	-.1109347
pdcgrou2	-.022468	.0032436	-6.93	0.000	-.0289798	-.0159562
pdcgrou3	-.0148285	.0030556	-4.85	0.000	-.0209628	-.0086942
pdcgrou4	-.0190772	.0028178	-6.77	0.000	-.0247342	-.0134202
pdcgrou5	-.0121364	.0127782	-0.95	0.347	-.0377896	.0135168
cohort2000	-.0085545	.0027137	-3.15	0.003	-.0140024	-.0031065
cohort2001	-.0089767	.0041268	-2.18	0.034	-.0172617	-.0006917
cohort2002	-.0104778	.0058634	-1.79	0.080	-.022249	.0012935
cohort2003	-.0166282	.0070929	-2.34	0.023	-.0308677	-.0023887
cohort2004	.0079665	.0113522	0.70	0.486	-.0148241	.0307571
award_b4_tsd	.0324897	.0065012	5.00	0.000	.019438	.0455414
diaward_tsd	-.0004882	.0001596	-3.06	0.004	-.0008087	-.0001677
epeb4twp_flag	.1202131	.1280329	0.94	0.352	-.1368237	.37725
ldwb4twp_flag	.4693617	.0912067	5.15	0.000	.2862565	.6524669
ldwb4epe_flag	.2945233	.0323445	9.11	0.000	.229589	.3594575
twpb4tsd	-.0590176	.0083679	-7.05	0.000	-.0758168	-.0422184
epeb4tsd	-.0578493	.003473	-16.66	0.000	-.0648217	-.0508769
ldwb4tsd	-.0322365	.0023959	-13.45	0.000	-.0370465	-.0274265
st_AL	-.0217755	.0056659	-3.84	0.000	-.0331503	-.0104008
st_AR	-.010356	.0042744	-2.42	0.019	-.0189373	-.0017747
st_AZ	.0005605	.0045126	0.12	0.902	-.008499	.0096199
st_CA	.0028639	.0045736	0.63	0.534	-.006318	.0120459

st_CO	-.0202174	.0036827	-5.49	0.000	-.0276107	-.0128241
st_CT	.0151681	.0049135	3.09	0.003	.0053038	.0250323
st_DC	-.0143626	.0023314	-6.16	0.000	-.0190431	-.0096821
st_DE	-.0146236	.007273	-2.01	0.050	-.0292247	-.0000225
st_FL	-.0036143	.0052799	-0.68	0.497	-.014214	.0069855
st_GA	-.0088758	.0064148	-1.38	0.172	-.0217541	.0040025
st_HI	.0043004	.0087044	0.49	0.623	-.0131744	.0217753
st_IA	.0329596	.0063147	5.22	0.000	.0202824	.0456368
st_ID	-.0047825	.0063318	-0.76	0.454	-.0174941	.0079291
st_IL	-.0069563	.0028506	-2.44	0.018	-.012679	-.0012335
st_IN	-.0086398	.0051854	-1.67	0.102	-.0190499	.0017703
st_KS	.0223731	.0048501	4.61	0.000	.0126362	.03211
st_KY	-.0207953	.0033031	-6.30	0.000	-.0274266	-.014164
st_LA	-.0013534	.0034951	-0.39	0.700	-.0083701	.0056634
st_MA	.0304938	.0043297	7.04	0.000	.0218015	.039186
st_MD	-.009312	.0068139	-1.37	0.178	-.0229915	.0043675
st_ME	.004426	.0062937	0.70	0.485	-.0082091	.0170611
st_MI	-.010327	.0018038	-5.73	0.000	-.0139484	-.0067057
st_MN	-.0012725	.0062692	-0.20	0.840	-.0138585	.0113135
st_MO	-.0022494	.0046524	-0.48	0.631	-.0115895	.0070908
st_MS	-.0202502	.00293	-6.91	0.000	-.0261323	-.014368
st_MT	-.0088739	.0074419	-1.19	0.239	-.0238142	.0060663
st_NC	-.0257473	.0051354	-5.01	0.000	-.036057	-.0154377
st_ND	.000956	.0090567	0.11	0.916	-.0172261	.0191382
st_NE	.001691	.0074808	0.23	0.822	-.0133273	.0167093
st_NH	.04728	.0069537	6.80	0.000	.0333199	.0612401
st_NJ	-.0001234	.0042003	-0.03	0.977	-.0085558	.008309
st_NM	-.0015135	.0037615	-0.40	0.689	-.009065	.006038
st_NV	.0047322	.0050065	0.95	0.349	-.0053188	.0147832
st_NY	.0189968	.0032326	5.88	0.000	.0125071	.0254866
st_OH	-.0214769	.0047141	-4.56	0.000	-.0309408	-.012013
st_OK	.0335556	.0045073	7.44	0.000	.0245069	.0426043
st_OR	.0248841	.002768	8.99	0.000	.0193272	.030441
st_PA	-.0057909	.005262	-1.10	0.276	-.0163548	.004773
st_PR	-.0640592	.009551	-6.71	0.000	-.0832336	-.0448848
st_RI	.0084801	.0054034	1.57	0.123	-.0023678	.0193279
st_SC	-.0631864	.002564	-24.64	0.000	-.0683338	-.0580389
st_SD	-.0110554	.0091083	-1.21	0.230	-.0293411	.0072303
st_TN	-.0163583	.0045374	-3.61	0.001	-.0254676	-.0072491
st_TX	-.0143062	.0048082	-2.98	0.004	-.0239591	-.0046533
st_UT	-.0111637	.0058917	-1.89	0.064	-.0229917	.0006643
st_VA	.0064553	.0077895	0.83	0.411	-.0091827	.0220933
st_VT	.0099269	.0071763	1.38	0.173	-.0044802	.024334
st_WA	.0002099	.0046713	0.04	0.964	-.0091681	.0095879
st_WI	-.0021146	.0047266	-0.45	0.656	-.0116036	.0073744
st_WV	-.0127552	.0055595	-2.29	0.026	-.0239163	-.0015941
st_WY	.0049343	.0074994	0.66	0.514	-.0101213	.0199899
tsd_unemp_mean	.0027263	.0021209	1.29	0.204	-.0015315	.0069841
tsd_unemp_cng	.0020707	.0013966	1.48	0.144	-.0007331	.0048746
pial	.0000422	7.86e-06	5.37	0.000	.0000264	.000058
pia_miss	.0358823	.005731	6.26	0.000	.0243768	.0473877
ime1	-.0000126	2.27e-06	-5.55	0.000	-.0000172	-8.04e-06
ime_miss	-.0463426	.003097	-14.96	0.000	-.05256	-.0401252
phase2_st	-.0156371	.0057713	-2.71	0.009	-.0272234	-.0040508
_cons	.3284744	.0188412	17.43	0.000	.2906492	.3662997

(1) motoimm = 0

F(1, 51) = 3.02
 Prob > F = 0.0880

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(48, 51) = .
 Prob > F = .
 R-squared = 0.0487
 Root MSE = .28025

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.000194	.000178	-1.09	0.281	-.0005513	.0001633
male	.0002338	.0013456	0.17	0.863	-.0024676	.0029351
gendermiss_flag	-.1200373	.0391524	-3.07	0.003	-.198639	-.0414355
tsd_age	-.0035853	.0002785	-12.87	0.000	-.0041445	-.0030262
doage2	.0001712	.0002351	0.73	0.470	-.0003008	.0006431
doage2miss_flag	-.007691	.0929654	-0.08	0.934	-.1943269	.1789449
race_a	-.0058285	.0070011	-0.83	0.409	-.0198839	.0082269
race_b	.0160439	.0015462	10.38	0.000	.0129399	.0191479
race_h	-.0001736	.0022996	-0.08	0.940	-.0047902	.0044431
race_i	-.0001532	.0084276	-0.02	0.986	-.0170724	.016766
race_o	.0118644	.0087336	1.36	0.180	-.0056691	.0293978
race_mis	-.013317	.0052837	-2.52	0.015	-.0239244	-.0027096
tsd_edu_hs	.0069247	.0020485	3.38	0.001	.0028122	.0110371
tsd_edu_mrhs	.0297338	.0022504	13.21	0.000	.0252159	.0342518
tsd_edu_mis	.0064914	.0020537	3.16	0.003	.0023685	.0106143
tsd_mie_exp	.0207053	.0038557	5.37	0.000	.0129646	.028446
tsd_mie_mis	-.0013222	.0020772	-0.64	0.527	-.0054924	.002848
tsd_mie_psbl	.0116172	.0020494	5.67	0.000	.0075029	.0157316
tsd_medicare	-.0278565	.0018746	-14.86	0.000	-.0316199	-.0240932
tsd_medicare_miss	-.0404586	.0064062	-6.32	0.000	-.0533195	-.0275977
tsd_depend_1	-.005358	.0017985	-2.98	0.004	-.0089686	-.0017473
tsd_depend_2	.0038708	.0017959	2.16	0.036	.0002654	.0074762
tsd_depend_miss	-.0376669	.0055503	-6.79	0.000	-.0488097	-.0265242
tsd_vrpr	-.0869178	.0062926	-13.81	0.000	-.0995506	-.0742849
tsd_vrpr_miss	-.1446287	.006565	-22.03	0.000	-.1578086	-.1314489
pdcgrou2	-.0278512	.0035627	-7.82	0.000	-.0350036	-.0206988
pdcgrou3	-.0162372	.0034641	-4.69	0.000	-.0231916	-.0092828
pdcgrou4	-.0224427	.0030701	-7.31	0.000	-.0286063	-.0162792
pdcgrou5	-.0232475	.0125403	-1.85	0.070	-.0484231	.0019281
cohort2000	-.0091724	.0028724	-3.19	0.002	-.0149391	-.0034057
cohort2001	-.0098458	.0042768	-2.30	0.025	-.0184318	-.0012597
cohort2002	-.0116193	.0057126	-2.03	0.047	-.0230877	-.0001508
cohort2003	-.0181032	.0070873	-2.55	0.014	-.0323315	-.0038749
cohort2004	.0108817	.0137954	0.79	0.434	-.0168136	.0385771
award_b4_tsd	.0343237	.0075225	4.56	0.000	.0192215	.0494258
diaward_tsd	-.0004521	.0001581	-2.86	0.006	-.0007695	-.0001348
epeb4twp_flag	.2235475	.1117549	2.00	0.051	-.0008097	.4479048
ldwb4twp_flag	.6839457	.0674567	10.14	0.000	.5485208	.8193706
ldwb4epe_flag	.3191662	.0329424	9.69	0.000	.2530316	.3853008
twpb4tsd	-.072312	.0082029	-8.82	0.000	-.08878	-.0558439
epeb4tsd	-.0653384	.0039243	-16.65	0.000	-.0732167	-.0574601
ldwb4tsd	-.0368827	.0025921	-14.23	0.000	-.0420866	-.0316788
st_AL	-.0436002	.006363	-6.85	0.000	-.0563745	-.0308259
st_AR	-.021105	.0053158	-3.97	0.000	-.031777	-.010433
st_AZ	.0099877	.0053223	1.88	0.066	-.0006972	.0206726
st_CA	-.0122676	.0046534	-2.64	0.011	-.0216098	-.0029255
st_CO	-.0148433	.0042696	-3.48	0.001	-.023415	-.0062717

st_CT	.0071191	.0061823	1.15	0.255	-.0052924	.0195306
st_DC	-.0226531	.0026545	-8.53	0.000	-.0279821	-.017324
st_DE	-.0311095	.0090311	-3.44	0.001	-.0492402	-.0129787
st_FL	-.0017416	.0063588	-0.27	0.785	-.0145074	.0110242
st_GA	-.024171	.007983	-3.03	0.004	-.0401976	-.0081444
st_HI	-.0093971	.0100943	-0.93	0.356	-.0296622	.010868
st_IA	.034317	.0078316	4.38	0.000	.0185943	.0500397
st_ID	-.0251581	.0071445	-3.52	0.001	-.0395013	-.0108149
st_IL	.0042812	.0030885	1.39	0.172	-.0019192	.0104817
st_IN	-.0147557	.0065816	-2.24	0.029	-.0279689	-.0015425
st_KS	.0128809	.0060684	2.12	0.039	.000698	.0250638
st_KY	-.0312313	.0040895	-7.64	0.000	-.0394414	-.0230212
st_LA	-.0099998	.004288	-2.33	0.024	-.0186083	-.0013914
st_MA	.0507077	.005207	9.74	0.000	.0402542	.0611612
st_MD	-.0326754	.007955	-4.11	0.000	-.0486457	-.0167051
st_ME	-.0110966	.0072013	-1.54	0.130	-.0255538	.0033605
st_MI	-.0221157	.0020212	-10.94	0.000	-.0261734	-.018058
st_MN	-.0185329	.0071557	-2.59	0.012	-.0328985	-.0041674
st_MO	-.0093414	.0058692	-1.59	0.118	-.0211244	.0024416
st_MS	-.0326042	.0035818	-9.10	0.000	-.039795	-.0254134
st_MT	-.016712	.009477	-1.76	0.084	-.0357378	.0023138
st_NC	-.045813	.0055741	-8.22	0.000	-.0570035	-.0346224
st_ND	-.0167657	.0114937	-1.46	0.151	-.0398403	.0063089
st_NE	-.0127173	.0087901	-1.45	0.154	-.0303642	.0049297
st_NH	.0421697	.0088547	4.76	0.000	.0243931	.0599463
st_NJ	-.0117209	.0052879	-2.22	0.031	-.0223368	-.0011051
st_NM	-.0108402	.0047546	-2.28	0.027	-.0203855	-.0012949
st_NV	-.0007333	.006287	-0.12	0.908	-.013355	.0118883
st_NY	.0154821	.0036812	4.21	0.000	.0080917	.0228724
st_OH	-.0400548	.0049923	-8.02	0.000	-.0500774	-.0300323
st_OK	.0448796	.0055037	8.15	0.000	.0338306	.0559287
st_OR	.0402693	.0029926	13.46	0.000	.0342615	.0462772
st_PA	-.021054	.0057472	-3.66	0.001	-.0325919	-.0095161
st_PR	-.084724	.0118165	-7.17	0.000	-.1084467	-.0610013
st_RI	-.0045259	.0057906	-0.78	0.438	-.0161511	.0070993
st_SC	-.0788266	.0027734	-28.42	0.000	-.0843945	-.0732588
st_SD	-.0193442	.0115265	-1.68	0.099	-.0424846	.0037962
st_TN	-.0310852	.0057087	-5.45	0.000	-.0425459	-.0196245
st_TX	-.0321278	.0050404	-6.37	0.000	-.0422468	-.0220088
st_UT	-.0261295	.0065785	-3.97	0.000	-.0393365	-.0129226
st_VA	-.0042645	.0098448	-0.43	0.667	-.0240289	.0154998
st_VT	-.0169652	.0088897	-1.91	0.062	-.034812	.0008816
st_WA	-.0122922	.0048903	-2.51	0.015	-.0221099	-.0024744
st_WI	-.0024431	.0056185	-0.43	0.666	-.0137227	.0088364
st_WV	-.0343627	.006152	-5.59	0.000	-.0467133	-.0220121
st_WY	-.0233082	.0088369	-2.64	0.011	-.041049	-.0055675
tsd_unemp_mean	.0021604	.0026891	0.80	0.425	-.0032382	.0075591
tsd_unemp_cng	.0018522	.0014536	1.27	0.208	-.0010659	.0047703
pial	.0000449	7.11e-06	6.32	0.000	.0000306	.0000592
pia_miss	.0361369	.0063446	5.70	0.000	.0233996	.0488741
ime1	-.000014	2.17e-06	-6.46	0.000	-.0000184	-9.66e-06
ime_miss	-.0516274	.0034768	-14.85	0.000	-.0586074	-.0446474
phase2_st	-.0205384	.0064961	-3.16	0.003	-.0335798	-.0074971
_cons	.4001149	.0208554	19.19	0.000	.3582459	.4419839

(1) motoimm = 0

F(1, 51) = 1.19
 Prob > F = 0.2808

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_unemp.xls

dir : seeout

Linear regression

Number of obs = 191505
 F(48, 51) = .
 Prob > F = .
 R-squared = 0.2910
 Root MSE = .13394

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0006857	.000101	-6.79	0.000	-.0008885	-.0004828
male	.0002305	.0006873	0.34	0.739	-.0011492	.0016103
gendermiss_flag	.2491778	.1232351	2.02	0.048	.001773	.4965826
tsd_age	-.0002306	.0001013	-2.28	0.027	-.000434	-.0000272
doage2	-.0000255	.0000658	-0.39	0.699	-.0001576	.0001065
doage2miss_flag	-.0095325	.0050119	-1.90	0.063	-.0195944	.0005294
race_a	.0013758	.0018284	0.75	0.455	-.0022948	.0050464
race_b	.001537	.0007568	2.03	0.048	.0000175	.0030564
race_h	-.001029	.0012966	-0.79	0.431	-.0036321	.001574
race_i	-.0033558	.0038425	-0.87	0.387	-.01107	.0043584
race_o	-.0000478	.0027591	-0.02	0.986	-.0055869	.0054913
race_mis	-.000118	.002324	-0.05	0.960	-.0047837	.0045476
tsd_edu_hs	.0016518	.0008203	2.01	0.049	4.98e-06	.0032986
tsd_edu_mrhs	.0059235	.0012084	4.90	0.000	.0034976	.0083494
tsd_edu_mis	.0027791	.0008111	3.43	0.001	.0011507	.0044076
tsd_mie_exp	.0011998	.0019838	0.60	0.548	-.0027828	.0051825
tsd_mie_mis	.0003845	.0012513	0.31	0.760	-.0021275	.0028966
tsd_mie_psbl	.0012152	.0008676	1.40	0.167	-.0005266	.0029571
tsd_medicare	-.0017347	.0009097	-1.91	0.062	-.0035611	.0000916
tsd_medicare_miss	-.0074517	.0023862	-3.12	0.003	-.0122422	-.0026612
tsd_depend_1	-.0018124	.0009046	-2.00	0.050	-.0036285	3.77e-06
tsd_depend_2	-.002014	.0007097	-2.84	0.007	-.0034388	-.0005892
tsd_depend_miss	-.0014005	.0028387	-0.49	0.624	-.0070993	.0042984
tsd_vrpr	-.4200095	.0142937	-29.38	0.000	-.4487053	-.3913136
tsd_vrpr_miss	-.4426313	.0133542	-33.15	0.000	-.4694409	-.4158216
pdcgrou2	-.0023982	.0013883	-1.73	0.090	-.0051853	.0003889
pdcgrou3	-.000836	.0013074	-0.64	0.525	-.0034608	.0017887
pdcgrou4	.0002889	.0011261	0.26	0.799	-.0019718	.0025496
pdcgrou5	-.0038643	.0074158	-0.52	0.605	-.0187521	.0110236
cohort2000	-.0011327	.0012832	-0.88	0.382	-.0037087	.0014434
cohort2001	-.0004416	.0017967	-0.25	0.807	-.0040485	.0031654
cohort2002	-.0022569	.003139	-0.72	0.475	-.0085587	.0040449
cohort2003	-.0014405	.0036321	-0.40	0.693	-.0087321	.0058512
cohort2004	-.0210272	.0053565	-3.93	0.000	-.0317809	-.0102735
award_b4_tsd	.0009991	.002566	0.39	0.699	-.0041522	.0061505
diaward_tsd	-.0001024	.0000886	-1.16	0.253	-.0002803	.0000754
epeb4twp_flag	-.081387	.0336638	-2.42	0.019	-.1489699	-.0138042
ldwb4twp_flag	.0437218	.0261651	1.67	0.101	-.0088068	.0962505
ldwb4epe_flag	.0053188	.012822	0.41	0.680	-.0204225	.0310601
twpb4tsd	.0034387	.0014873	2.31	0.025	.0004529	.0064244
epeb4tsd	.0031664	.0018735	1.69	0.097	-.0005948	.0069275
ldwb4tsd	-.0053314	.0024867	-2.14	0.037	-.0103237	-.0003391
st_AL	.0135342	.0044867	3.02	0.004	.0045268	.0225416
st_AR	.009366	.0032369	2.89	0.006	.0028675	.0158644
st_AZ	.0152673	.0037804	4.04	0.000	.0076778	.0228569
st_CA	.0110128	.0027887	3.95	0.000	.0054142	.0166114
st_CO	.0176963	.0030682	5.77	0.000	.0115366	.023856
st_CT	.0117511	.0037648	3.12	0.003	.0041929	.0193093
st_DC	-.0055505	.0012308	-4.51	0.000	-.0080215	-.0030795
st_DE	.0032511	.0059023	0.55	0.584	-.0085984	.0151005

st_FL	-.0001945	.0044234	-0.04	0.965	-.0090747	.0086858
st_GA	.0084985	.0048146	1.77	0.084	-.0011672	.0181643
st_HI	.0011273	.0073676	0.15	0.879	-.0136638	.0159185
st_IA	.0058483	.0052487	1.11	0.270	-.0046888	.0163855
st_ID	.0166436	.0050834	3.27	0.002	.0064382	.0268491
st_IL	.0067235	.0021445	3.14	0.003	.0024183	.0110287
st_IN	.0057008	.0039007	1.46	0.150	-.0021301	.0135317
st_KS	.0017888	.0035004	0.51	0.612	-.0052385	.0088161
st_KY	.0018182	.0025682	0.71	0.482	-.0033376	.006974
st_LA	.0130947	.0025823	5.07	0.000	.0079106	.0182788
st_MA	.0061509	.0035345	1.74	0.088	-.0009449	.0132467
st_MD	.0076635	.0055156	1.39	0.171	-.0034096	.0187365
st_ME	.0179959	.0050969	3.53	0.001	.0077635	.0282283
st_MI	.0110695	.0012212	9.06	0.000	.0086178	.0135211
st_MN	.0094741	.0050792	1.87	0.068	-.0007228	.019671
st_MO	.0087245	.0034901	2.50	0.016	.0017179	.0157312
st_MS	.0070032	.0022931	3.05	0.004	.0023996	.0116069
st_MT	-.000309	.0055809	-0.06	0.956	-.011513	.0108951
st_NC	.0057017	.0037538	1.52	0.135	-.0018345	.0132378
st_ND	.0051888	.0066071	0.79	0.436	-.0080755	.0184531
st_NE	.0151183	.0060703	2.49	0.016	.0029316	.027305
st_NH	.0034812	.0053652	0.65	0.519	-.0072899	.0142524
st_NJ	.0037079	.0031374	1.18	0.243	-.0025908	.0100065
st_NM	.0035105	.0027509	1.28	0.208	-.0020123	.0090332
st_NV	.007107	.0038608	1.84	0.071	-.0006438	.0148579
st_NY	.0157032	.0027513	5.71	0.000	.0101799	.0212266
st_OH	.0179789	.0029201	6.16	0.000	.0121165	.0238413
st_OK	.0218182	.0038981	5.60	0.000	.0139924	.0296439
st_OR	.0198953	.0010879	18.29	0.000	.0177113	.0220793
st_PA	.0127343	.0039179	3.25	0.002	.0048688	.0205998
st_PR	.0111234	.0051916	2.14	0.037	.0007009	.021546
st_RI	.0073867	.0041457	1.78	0.081	-.0009361	.0157095
st_SC	-.0069545	.0017861	-3.89	0.000	-.0105403	-.0033686
st_SD	.0160588	.0067914	2.36	0.022	.0024246	.0296931
st_TN	.0133785	.003493	3.83	0.000	.006366	.020391
st_TX	.0104383	.0030667	3.40	0.001	.0042817	.0165949
st_UT	.0182846	.0044794	4.08	0.000	.0092918	.0272773
st_VA	.008029	.005908	1.36	0.180	-.0038318	.0198899
st_VT	-.0004702	.0058394	-0.08	0.936	-.0121934	.0112529
st_WA	.0159821	.0028543	5.60	0.000	.0102518	.0217123
st_WI	.009646	.0038627	2.50	0.016	.0018913	.0174006
st_WV	.0106676	.0042816	2.49	0.016	.0020719	.0192633
st_WY	.0123204	.0060843	2.02	0.048	.0001056	.0245352
tsd_unemp_mean	-.0010272	.0015937	-0.64	0.522	-.0042268	.0021724
tsd_unemp_cng	.0007237	.0009054	0.80	0.428	-.001094	.0025415
pial	7.06e-06	3.30e-06	2.14	0.037	4.35e-07	.0000137
pia_miss	.0023562	.0035202	0.67	0.506	-.0047109	.0094234
ime1	-1.47e-06	1.01e-06	-1.46	0.150	-3.49e-06	5.51e-07
ime_miss	-.0035074	.0012206	-2.87	0.006	-.0059578	-.001057
phase2_st	-.0031192	.0020036	-1.56	0.126	-.0071415	.0009031
_cons	.4572066	.0169457	26.98	0.000	.4231867	.4912265

(1) motoimm = 0

F(1, 51) = 46.06
 Prob > F = 0.0000

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505

F(48, 51) = .
 Prob > F = .
 R-squared = 0.4501
 Root MSE = .14914

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0004994	.0001008	-4.95	0.000	-.0007018	-.0002971
male	.00105	.0008171	1.28	0.205	-.0005905	.0026905
gendermiss_flag	.2023702	.1159763	1.74	0.087	-.0304619	.4352023
tsd_age	-.0006457	.0001127	-5.73	0.000	-.000872	-.0004194
doage2	.0000313	.0000728	0.43	0.669	-.0001149	.0001776
doage2miss_flag	-.0206896	.0105794	-1.96	0.056	-.0419286	.0005494
race_a	-.0009687	.0020236	-0.48	0.634	-.0050314	.0030939
race_b	.0017709	.0009529	1.86	0.069	-.0001421	.0036839
race_h	-.0000411	.0015658	-0.03	0.979	-.0031845	.0031024
race_i	-.0054189	.0044112	-1.23	0.225	-.0142747	.0034368
race_o	.0018545	.0031379	0.59	0.557	-.0044451	.0081541
race_mis	-.0016633	.0027432	-0.61	0.547	-.0071706	.0038439
tsd_edu_hs	.0043056	.0008392	5.13	0.000	.0026208	.0059903
tsd_edu_mrhs	.0109655	.0013933	7.87	0.000	.0081684	.0137626
tsd_edu_mis	.0056247	.0010351	5.43	0.000	.0035466	.0077028
tsd_mie_exp	-.0033854	.0020133	-1.68	0.099	-.0074273	.0006565
tsd_mie_mis	-.0029747	.0018372	-1.62	0.112	-.0066631	.0007137
tsd_mie_psbl	-.0024265	.0014236	-1.70	0.094	-.0052844	.0004315
tsd_medicare	-.0022508	.0009602	-2.34	0.023	-.0041784	-.0003231
tsd_medicare_miss	-.0068822	.0032506	-2.12	0.039	-.0134081	-.0003563
tsd_depend_1	-.0027508	.0007671	-3.59	0.001	-.0042907	-.0012108
tsd_depend_2	-.0019905	.0007162	-2.78	0.008	-.0034283	-.0005527
tsd_depend_miss	-.0030488	.0039397	-0.77	0.443	-.0109581	.0048604
tsd_vrpr	-.6601613	.0148038	-44.59	0.000	-.6898811	-.6304415
tsd_vrpr_miss	-.6957813	.013106	-53.09	0.000	-.7220927	-.6694699
pdcgrou2	-.0031204	.0015121	-2.06	0.044	-.0061561	-.0000847
pdcgrou3	-.0035034	.001502	-2.33	0.024	-.0065187	-.0004881
pdcgrou4	-.000699	.0012343	-0.57	0.574	-.003177	.001779
pdcgrou5	-.004292	.0049036	-0.88	0.386	-.0141364	.0055523
cohort2000	-.0019355	.0014348	-1.35	0.183	-.0048159	.0009449
cohort2001	-.003208	.002403	-1.33	0.188	-.0080322	.0016163
cohort2002	-.0057739	.0037948	-1.52	0.134	-.0133924	.0018446
cohort2003	-.0053054	.004766	-1.11	0.271	-.0148735	.0042627
cohort2004	-.0294262	.0075736	-3.89	0.000	-.0446308	-.0142216
award_b4_tsd	-.0012582	.0034212	-0.37	0.715	-.0081265	.0056101
diaward_tsd	-.0002355	.0001119	-2.10	0.040	-.0004603	-.0000108
epeb4twp_flag	-.1285705	.0534019	-2.41	0.020	-.2357793	-.0213616
ldwb4twp_flag	.0632478	.0443515	1.43	0.160	-.0257915	.1522872
ldwb4epe_flag	.0129268	.015426	0.84	0.406	-.0180422	.0438959
twpb4tsd	.0036088	.0019717	1.83	0.073	-.0003496	.0075672
epeb4tsd	.002372	.0019471	1.22	0.229	-.001537	.006281
ldwb4tsd	-.0090497	.0030494	-2.97	0.005	-.0151716	-.0029278
st_AL	-.0058407	.0041886	-1.39	0.169	-.0142496	.0025682
st_AR	-.0090177	.0028277	-3.19	0.002	-.0146945	-.0033409
st_AZ	.0065638	.0033374	1.97	0.055	-.0001364	.0132639
st_CA	-.0034289	.0032153	-1.07	0.291	-.0098839	.0030261
st_CO	.0081361	.0027935	2.91	0.005	.0025279	.0137444
st_CT	-.0062209	.0032436	-1.92	0.061	-.0127327	.0002909
st_DC	-.0189492	.0010915	-17.36	0.000	-.0211405	-.0167579
st_DE	-.0116748	.00503	-2.32	0.024	-.0217729	-.0015767
st_FL	-.0084296	.0038902	-2.17	0.035	-.0162396	-.0006197
st_GA	-.0124392	.0041853	-2.97	0.005	-.0208415	-.0040369
st_HI	-.0359456	.0069847	-5.15	0.000	-.0499681	-.0219232

st_IA	-.0146919	.0046342	-3.17	0.003	-.0239956	-.0053883
st_ID	-.007916	.0047861	-1.65	0.104	-.0175245	.0016925
st_IL	.0007463	.0020908	0.36	0.723	-.0034512	.0049437
st_IN	-.0140452	.0033605	-4.18	0.000	-.0207917	-.0072986
st_KS	-.0092488	.0029849	-3.10	0.003	-.0152413	-.0032563
st_KY	-.0127706	.0023207	-5.50	0.000	-.0174295	-.0081117
st_LA	.0003388	.0022278	0.15	0.880	-.0041337	.0048113
st_MA	-.0135239	.0030997	-4.36	0.000	-.0197469	-.0073009
st_MD	-.0155136	.0049307	-3.15	0.003	-.0254125	-.0056147
st_ME	-.00748	.0047028	-1.59	0.118	-.0169212	.0019612
st_MI	.0019588	.0011772	1.66	0.102	-.0004046	.0043221
st_MN	-.0126398	.0047934	-2.64	0.011	-.022263	-.0030166
st_MO	-.0089	.0030236	-2.94	0.005	-.0149702	-.0028299
st_MS	-.0066697	.0020689	-3.22	0.002	-.0108233	-.0025162
st_MT	-.0186111	.0048242	-3.86	0.000	-.0282961	-.008926
st_NC	-.0185095	.0036909	-5.01	0.000	-.0259193	-.0110996
st_ND	-.0363147	.0057961	-6.27	0.000	-.0479509	-.0246785
st_NE	-.0121852	.0053852	-2.26	0.028	-.0229965	-.0013739
st_NH	-.0214577	.0046873	-4.58	0.000	-.0308679	-.0120475
st_NJ	-.014032	.0026613	-5.27	0.000	-.0193747	-.0086892
st_NM	-.0184315	.002268	-8.13	0.000	-.0229847	-.0138784
st_NV	-.0145792	.0032691	-4.46	0.000	-.0211423	-.0080161
st_NY	.0060688	.0025604	2.37	0.022	.0009287	.0112089
st_OH	-.0009364	.0031154	-0.30	0.765	-.0071907	.0053179
st_OK	.02073	.0034341	6.04	0.000	.0138358	.0276242
st_OR	.009443	.0015945	5.92	0.000	.006242	.012644
st_PA	-.0092885	.0038405	-2.42	0.019	-.0169986	-.0015784
st_PR	.0084546	.0050816	1.66	0.102	-.0017472	.0186564
st_RI	-.0201411	.0041677	-4.83	0.000	-.0285081	-.011774
st_SC	-.0145073	.0017953	-8.08	0.000	-.0181114	-.0109032
st_SD	.0107106	.0058931	1.82	0.075	-.0011203	.0225416
st_TN	.0009656	.0030798	0.31	0.755	-.0052172	.0071485
st_TX	-.0108365	.0032633	-3.32	0.002	-.0173877	-.0042852
st_UT	.0018194	.0043306	0.42	0.676	-.0068747	.0105135
st_VA	-.0146755	.0050934	-2.88	0.006	-.0249008	-.0044502
st_VT	-.0425504	.0049817	-8.54	0.000	-.0525516	-.0325493
st_WA	-.0021697	.0031223	-0.69	0.490	-.0084379	.0040985
st_WI	.0030743	.0034527	0.89	0.377	-.0038573	.0100058
st_WV	-.0131526	.0041023	-3.21	0.002	-.0213883	-.0049169
st_WY	-.0235175	.0054759	-4.29	0.000	-.0345108	-.0125242
tsd_unemp_mean	-.0054838	.0013768	-3.98	0.000	-.008248	-.0027197
tsd_unemp_cng	-.0020709	.000922	-2.25	0.029	-.0039219	-.00022
pial	4.96e-06	4.89e-06	1.01	0.315	-4.85e-06	.0000148
pia_miss	-.0011577	.0057972	-0.20	0.843	-.0127961	.0104806
ime1	-1.10e-06	1.26e-06	-0.87	0.388	-3.63e-06	1.44e-06
ime_miss	-.0022585	.0019355	-1.17	0.249	-.0061442	.0016271
phase2_st	-.0075853	.002986	-2.54	0.014	-.0135799	-.0015906
_cons	.7789566	.0152849	50.96	0.000	.7482709	.8096423

(1) motoimm = 0

F(1, 51) = 24.55
 Prob > F = 0.0000

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(48, 51) = .
 Prob > F = .
 R-squared = 0.5558

Root MSE = .15069

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0002579	.0001091	-2.36	0.022	-.000477	-.0000388
male	.0009299	.0007608	1.22	0.227	-.0005975	.0024573
gendermiss_flag	.1681339	.1203614	1.40	0.168	-.0735016	.4097695
tsd_age	-.0007138	.0001104	-6.47	0.000	-.0009354	-.0004922
doage2	-3.85e-06	.0000636	-0.06	0.952	-.0001315	.0001238
doage2miss_flag	-.0286679	.0120261	-2.38	0.021	-.0528114	-.0045244
race_a	-.0013137	.0022451	-0.59	0.561	-.005821	.0031936
race_b	.0025559	.0010358	2.47	0.017	.0004766	.0046353
race_h	-.0006116	.0017506	-0.35	0.728	-.0041261	.0029029
race_i	-.0045275	.0037349	-1.21	0.231	-.0120255	.0029706
race_o	.0003914	.0030732	0.13	0.899	-.0057784	.0065612
race_mis	-.0026868	.0032808	-0.82	0.417	-.0092732	.0038997
tsd_edu_hs	.00637	.0009808	6.49	0.000	.0044009	.0083391
tsd_edu_mrhs	.0139069	.0016487	8.44	0.000	.0105971	.0172168
tsd_edu_mis	.0070489	.0011549	6.10	0.000	.0047304	.0093674
tsd_mie_exp	-.004574	.0023753	-1.93	0.060	-.0093427	.0001946
tsd_mie_mis	-.0034125	.0015513	-2.20	0.032	-.0065268	-.0002981
tsd_mie_psbl	-.0036306	.0011943	-3.04	0.004	-.0060282	-.001233
tsd_medicare	-.0023837	.0010975	-2.17	0.035	-.0045871	-.0001803
tsd_medicare_miss	-.0057901	.003369	-1.72	0.092	-.0125536	.0009734
tsd_depend_1	-.003179	.0008172	-3.89	0.000	-.0048197	-.0015383
tsd_depend_2	-.0026524	.0008592	-3.09	0.003	-.0043773	-.0009274
tsd_depend_miss	-.0099577	.0040691	-2.45	0.018	-.0181268	-.0017885
tsd_vrpr	-.8237218	.0130459	-63.14	0.000	-.8499125	-.7975311
tsd_vrpr_miss	-.8688308	.0103691	-83.79	0.000	-.8896476	-.8480139
pdcgrou2	-.00385	.0014023	-2.75	0.008	-.0066653	-.0010348
pdcgrou3	-.0026071	.0013946	-1.87	0.067	-.0054069	.0001926
pdcgrou4	.0005873	.0012147	0.48	0.631	-.0018512	.0030258
pdcgrou5	-.0184294	.0048155	-3.83	0.000	-.0280968	-.008762
cohort2000	-.0019798	.0012201	-1.62	0.111	-.0044293	.0004697
cohort2001	-.0025391	.0021393	-1.19	0.241	-.0068339	.0017558
cohort2002	-.0049223	.0032657	-1.51	0.138	-.0114784	.0016338
cohort2003	-.005252	.0044843	-1.17	0.247	-.0142546	.0037506
cohort2004	-.026606	.0067222	-3.96	0.000	-.0401014	-.0131105
award_b4_tsd	.0019154	.0042065	0.46	0.651	-.0065295	.0103603
diaward_tsd	-.0002956	.0001022	-2.89	0.006	-.0005009	-.0000903
epeb4twp_flag	-.1724057	.0638593	-2.70	0.009	-.3006086	-.0442027
ldwb4twp_flag	.0891315	.0466748	1.91	0.062	-.0045719	.182835
ldwb4epe_flag	.0307463	.0138017	2.23	0.030	.0030382	.0584545
twpb4tsd	.0038433	.0017707	2.17	0.035	.0002885	.0073982
epeb4tsd	.0087058	.0019833	4.39	0.000	.0047241	.0126876
ldwb4tsd	-.0149926	.0027889	-5.38	0.000	-.0205916	-.0093936
st_AL	-.0059251	.0040479	-1.46	0.149	-.0140516	.0022015
st_AR	-.0050737	.0029999	-1.69	0.097	-.0110963	.0009489
st_AZ	.0142169	.0033255	4.28	0.000	.0075408	.0208931
st_CA	-.0043724	.0028389	-1.54	0.130	-.0100716	.0013269
st_CO	.0132153	.0027195	4.86	0.000	.0077556	.0186749
st_CT	.0012776	.0036101	0.35	0.725	-.00597	.0085251
st_DC	-.0179781	.0011703	-15.36	0.000	-.0203276	-.0156286
st_DE	-.0103078	.0055696	-1.85	0.070	-.0214891	.0008736
st_FL	.0013995	.0040011	0.35	0.728	-.0066331	.0094321
st_GA	-.0057986	.0046962	-1.23	0.223	-.0152267	.0036294
st_HI	-.0331929	.0070296	-4.72	0.000	-.0473055	-.0190803
st_IA	.0074141	.0049781	1.49	0.143	-.0025799	.0174081
st_ID	-.0080377	.0049937	-1.61	0.114	-.018063	.0019876
st_IL	.0114855	.0018397	6.24	0.000	.0077922	.0151787

st_IN	-.0091015	.0037746	-2.41	0.020	-.0166793	-.0015237
st_KS	-.0028604	.0033352	-0.86	0.395	-.0095562	.0038353
st_KY	-.0093612	.0023997	-3.90	0.000	-.0141787	-.0045437
st_LA	.004738	.0023336	2.03	0.048	.000053	.0094229
st_MA	.0036275	.0031185	1.16	0.250	-.0026331	.0098881
st_MD	-.0121652	.0050347	-2.42	0.019	-.0222727	-.0020577
st_ME	-.0103318	.0047725	-2.16	0.035	-.019913	-.0007506
st_MI	.005928	.0011357	5.22	0.000	.0036479	.0082081
st_MN	-.008108	.0049264	-1.65	0.106	-.0179982	.0017822
st_MO	.0033807	.0033846	1.00	0.323	-.0034142	.0101755
st_MS	-.0037972	.0020544	-1.85	0.070	-.0079215	.000327
st_MT	-.0097259	.0056887	-1.71	0.093	-.0211465	.0016946
st_NC	-.0246666	.0035075	-7.03	0.000	-.0317082	-.0176251
st_ND	-.0275339	.0069599	-3.96	0.000	-.0415065	-.0135612
st_NE	-.0057418	.005673	-1.01	0.316	-.0171308	.0056472
st_NH	-.0208952	.0053058	-3.94	0.000	-.0315471	-.0102433
st_NJ	-.0139902	.0029517	-4.74	0.000	-.019916	-.0080643
st_NM	-.018698	.0026127	-7.16	0.000	-.0239433	-.0134527
st_NV	-.0134266	.0036113	-3.72	0.001	-.0206766	-.0061766
st_NY	.0113981	.0023734	4.80	0.000	.0066334	.0161628
st_OH	-.0029948	.0029863	-1.00	0.321	-.0089901	.0030004
st_OK	.0290283	.003541	8.20	0.000	.0219196	.0361371
st_OR	.0046606	.0016411	2.84	0.006	.0013661	.0079552
st_PA	-.012082	.0037136	-3.25	0.002	-.0195374	-.0046266
st_PR	-.0040364	.0059944	-0.67	0.504	-.0160707	.007998
st_RI	-.0250015	.0040422	-6.19	0.000	-.0331165	-.0168864
st_SC	-.0061043	.0016196	-3.77	0.000	-.0093558	-.0028528
st_SD	.0402355	.006835	5.89	0.000	.0265135	.0539574
st_TN	.0092374	.0032808	2.82	0.007	.0026508	.0158239
st_TX	-.0142792	.0030528	-4.68	0.000	-.020408	-.0081505
st_UT	.0060799	.004456	1.36	0.178	-.0028658	.0150256
st_VA	-.0082898	.005717	-1.45	0.153	-.0197671	.0031875
st_VT	-.0297181	.0054805	-5.42	0.000	-.0407207	-.0187155
st_WA	-.0102393	.0028803	-3.55	0.001	-.0160217	-.004457
st_WI	.016842	.0036709	4.59	0.000	.0094724	.0242116
st_WV	-.0196702	.0039825	-4.94	0.000	-.0276655	-.0116749
st_WY	-.0275492	.0058774	-4.69	0.000	-.0393485	-.0157499
tsd_unemp_mean	-.0033372	.0016112	-2.07	0.043	-.0065718	-.0001027
tsd_unemp_cng	-.0019838	.0011077	-1.79	0.079	-.0042077	.0002401
pia1	-4.11e-06	5.17e-06	-0.80	0.430	-.0000145	6.27e-06
pia_miss	.0010525	.0060539	0.17	0.863	-.0111012	.0132061
ime1	8.50e-07	1.34e-06	0.64	0.527	-1.83e-06	3.53e-06
ime_miss	-.0014589	.002044	-0.71	0.479	-.0055625	.0026447
phase2_st	-.0148831	.0031364	-4.75	0.000	-.0211796	-.0085865
_cons	.949975	.0151278	62.80	0.000	.9196047	.9803453

(1) motoimm = 0

F(1, 51) = 5.58
 Prob > F = 0.0220

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(48, 51) = .
 Prob > F = .
 R-squared = 0.5822
 Root MSE = .155

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll148	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoinm	-.0002259	.0000976	-2.31	0.025	-.0004217 -.00003
male	.0006651	.000854	0.78	0.440	-.0010494 .0023796
gendermiss_flag	.1533527	.1244287	1.23	0.223	-.0964484 .4031538
tsd_age	-.0006829	.0001307	-5.22	0.000	-.0009453 -.0004205
doage2	-.0001391	.0000825	-1.69	0.098	-.0003047 .0000266
doage2miss_flag	-.0327814	.0175049	-1.87	0.067	-.0679239 .0023612
race_a	-.0026732	.00324	-0.83	0.413	-.0091778 .0038314
race_b	.0026335	.0011102	2.37	0.022	.0004046 .0048624
race_h	-.0008231	.0017197	-0.48	0.634	-.0042756 .0026294
race_i	.0002366	.0045464	0.05	0.959	-.0088907 .0093639
race_o	-.0019795	.0030775	-0.64	0.523	-.0081579 .0041989
race_mis	-.0045112	.0039722	-1.14	0.261	-.0124858 .0034633
tsd_edu_hs	.007497	.0009981	7.51	0.000	.0054932 .0095008
tsd_edu_mrhs	.0163572	.0019355	8.45	0.000	.0124715 .0202428
tsd_edu_mis	.0079139	.0013642	5.80	0.000	.0051752 .0106527
tsd_mie_exp	-.0041031	.0023817	-1.72	0.091	-.0088846 .0006784
tsd_mie_mis	-.0034289	.0017569	-1.95	0.056	-.006956 .0000982
tsd_mie_psbl	-.003825	.0013776	-2.78	0.008	-.0065907 -.0010593
tsd_medicare	-.0042866	.0011427	-3.75	0.000	-.0065808 -.0019925
tsd_medicare_miss	-.0066888	.0032881	-2.03	0.047	-.0132899 -.0000876
tsd_depend_1	-.0029973	.0009082	-3.30	0.002	-.0048205 -.0011741
tsd_depend_2	-.0027256	.0007407	-3.68	0.001	-.0042125 -.0012387
tsd_depend_miss	-.0106103	.0041784	-2.54	0.014	-.0189988 -.0022219
tsd_vrpr	-.889999	.0071658	-124.20	0.000	-.904385 -.8756129
tsd_vrpr_miss	-.9421204	.0037347	-252.26	0.000	-.9496182 -.9346227
pdgroup2	-.0038132	.0013728	-2.78	0.008	-.0065692 -.0010571
pdgroup3	-.003308	.0016903	-1.96	0.056	-.0067014 .0000855
pdgroup4	-.0006207	.001244	-0.50	0.620	-.0031182 .0018768
pdgroup5	-.0262157	.0054437	-4.82	0.000	-.0371445 -.015287
cohort2000	-.0001091	.0013729	-0.08	0.937	-.0028653 .0026472
cohort2001	-.0004671	.0022838	-0.20	0.839	-.0050521 .0041179
cohort2002	-.0020319	.0031973	-0.64	0.528	-.0084507 .004387
cohort2003	-.0034008	.004205	-0.81	0.422	-.0118427 .0050411
cohort2004	-.0258841	.0065266	-3.97	0.000	-.0389868 -.0127814
award_b4_tsd	.0002802	.0045704	0.06	0.951	-.0088953 .0094557
diaward_tsd	-.0002895	.0001024	-2.83	0.007	-.0004952 -.0000839
epeb4twp_flag	-.0672989	.0222451	-3.03	0.004	-.1119578 -.02264
ldwb4twp_flag	.0539767	.0413189	1.31	0.197	-.0289744 .1369278
ldwb4epe_flag	.0297937	.0136076	2.19	0.033	.0024754 .057112
twpb4tsd	.0031524	.0015549	2.03	0.048	.0000308 .0062741
epeb4tsd	.0111786	.0021713	5.15	0.000	.0068194 .0155377
ldwb4tsd	-.0170414	.0025428	-6.70	0.000	-.0221462 -.0119366
st_AL	-.0074649	.0037442	-1.99	0.052	-.0149818 .000052
st_AR	-.0064052	.0025321	-2.53	0.015	-.0114886 -.0013218
st_AZ	.0142946	.003019	4.73	0.000	.0082337 .0203555
st_CA	-.0041327	.0028405	-1.45	0.152	-.0098352 .0015697
st_CO	.0140918	.002388	5.90	0.000	.0092978 .0188858
st_CT	.0013112	.0030389	0.43	0.668	-.0047896 .007412
st_DC	-.0182299	.0011401	-15.99	0.000	-.0205187 -.0159411
st_DE	.0135517	.0048804	2.78	0.008	.0037539 .0233495
st_FL	.0081298	.0035156	2.31	0.025	.0010719 .0151877
st_GA	-.0053985	.0039006	-1.38	0.172	-.0132292 .0024322
st_HI	-.0365669	.0063658	-5.74	0.000	-.0493467 -.0237871
st_IA	.0084971	.0042385	2.00	0.050	-.000012 .0170062
st_ID	-.0120081	.0044669	-2.69	0.010	-.0209757 -.0030405
st_IL	.022114	.0017953	12.32	0.000	.0185097 .0257182
st_IN	-.0071767	.0032255	-2.22	0.031	-.0136522 -.0007013
st_KS	.0001039	.0028746	0.04	0.971	-.0056671 .0058749
st_KY	-.0081831	.0020037	-4.08	0.000	-.0122057 -.0041606

st_LA	.0072283	.0019963	3.62	0.001	.0032205	.0112361
st_MA	.0070292	.0027932	2.52	0.015	.0014217	.0126368
st_MD	-.016179	.0046443	-3.48	0.001	-.0255028	-.0068553
st_ME	-.0137073	.0043371	-3.16	0.003	-.0224143	-.0050002
st_MI	.0102348	.0011116	9.21	0.000	.0080032	.0124664
st_MN	-.0055671	.0045006	-1.24	0.222	-.0146026	.0034683
st_MO	.0058935	.002862	2.06	0.045	.0001478	.0116391
st_MS	-.0032828	.001798	-1.83	0.074	-.0068925	.0003269
st_MT	-.0116766	.0049612	-2.35	0.022	-.0216365	-.0017166
st_NC	-.0282815	.0032516	-8.70	0.000	-.0348095	-.0217536
st_ND	-.0364634	.0061682	-5.91	0.000	-.0488466	-.0240802
st_NE	-.0042709	.005213	-0.82	0.416	-.0147365	.0061947
st_NH	-.0224443	.0045887	-4.89	0.000	-.0316565	-.0132321
st_NJ	-.0178209	.0025225	-7.06	0.000	-.0228851	-.0127567
st_NM	-.0179798	.0024803	-7.25	0.000	-.0229592	-.0130003
st_NV	-.0072305	.0031672	-2.28	0.027	-.0135889	-.0008721
st_NY	.0135536	.002168	6.25	0.000	.0092012	.0179061
st_OH	-.002427	.0028765	-0.84	0.403	-.0082019	.0033478
st_OK	.0306229	.0030228	10.13	0.000	.0245544	.0366914
st_OR	.0172694	.0018302	9.44	0.000	.0135951	.0209436
st_PA	-.0136862	.003485	-3.93	0.000	-.0206827	-.0066898
st_PR	-.0049155	.0056762	-0.87	0.391	-.016311	.00648
st_RI	-.0263182	.0035489	-7.42	0.000	-.033443	-.0191935
st_SC	-.0041499	.0017684	-2.35	0.023	-.0077	-.0005997
st_SD	.0384182	.0060566	6.34	0.000	.0262591	.0505773
st_TN	.0109502	.0027395	4.00	0.000	.0054505	.0164499
st_TX	-.0156588	.0030143	-5.19	0.000	-.0217103	-.0096073
st_UT	.0095803	.0040378	2.37	0.021	.0014741	.0176866
st_VA	-.0038603	.0049003	-0.79	0.434	-.0136981	.0059776
st_VT	.0427436	.0047825	8.94	0.000	.0331424	.0523448
st_WA	-.0140837	.0027657	-5.09	0.000	-.0196361	-.0085314
st_WI	.0350739	.0031309	11.20	0.000	.0287884	.0413593
st_WV	-.0216269	.0036585	-5.91	0.000	-.0289716	-.0142822
st_WY	-.0267233	.005317	-5.03	0.000	-.0373976	-.0160489
tsd_unemp_mean	-.0032244	.001455	-2.22	0.031	-.0061455	-.0003034
tsd_unemp_cng	-.0017043	.0010709	-1.59	0.118	-.0038541	.0004456
pial	-.0000104	4.92e-06	-2.12	0.039	-.0000203	-5.32e-07
pia_miss	-.0065925	.0050569	-1.30	0.198	-.0167447	.0035596
ime1	2.17e-06	1.19e-06	1.83	0.074	-2.15e-07	4.56e-06
ime_miss	.0014601	.0018066	0.81	0.423	-.0021668	.0050871
phase2_st	-.014223	.0029138	-4.88	0.000	-.0200726	-.0083733
_cons	1.029818	.0134744	76.43	0.000	1.002767	1.056869

(1) motoimm = 0

F(1, 51) = 5.36
 Prob > F = 0.0247

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(48, 51) = .
 Prob > F = .
 R-squared = 0.4147
 Root MSE = 1.0797

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
--------	-------	------------------	---	------	----------------------

motoimm	.0011141	.0006977	1.60	0.116	-.0002866	.0025147
male	.008748	.0045031	1.94	0.058	-.0002923	.0177883
gendermiss_flag	-.0550169	.0294089	-1.87	0.067	-.1140578	.004024
tsd_age	-.0034779	.0006642	-5.24	0.000	-.0048114	-.0021444
doage2	.00058	.0004917	1.18	0.244	-.0004071	.0015671
doage2miss_flag	1.743616	1.183673	1.47	0.147	-.6327069	4.11994
race_a	-.0172212	.017973	-0.96	0.342	-.0533034	.0188611
race_b	.0265554	.007595	3.50	0.001	.0113078	.041803
race_h	.0490162	.0142246	3.45	0.001	.0204592	.0775732
race_i	.0448307	.0352629	1.27	0.209	-.0259625	.115624
race_o	-.0006245	.0331138	-0.02	0.985	-.0671033	.0658543
race_mis	.0452117	.0209007	2.16	0.035	.0032517	.0871717
tsd_edu_hs	.0150098	.0055963	2.68	0.010	.0037747	.0262449
tsd_edu_mrhs	.0425222	.0071356	5.96	0.000	.0281969	.0568475
tsd_edu_mis	.0321272	.0057922	5.55	0.000	.0204988	.0437556
tsd_mie_exp	.0127557	.0136496	0.93	0.354	-.0146471	.0401585
tsd_mie_mis	-.0064857	.008917	-0.73	0.470	-.0243874	.011416
tsd_mie_psbl	-.0065119	.0066826	-0.97	0.334	-.0199279	.006904
tsd_medicare	-.0276397	.0106163	-2.60	0.012	-.0489528	-.0063266
tsd_medicare_miss	-.0005672	.0127233	-0.04	0.965	-.0261103	.0249758
tsd_depend_1	-.0279922	.0052765	-5.31	0.000	-.0385853	-.0173991
tsd_depend_2	-.0175382	.0063603	-2.76	0.008	-.0303071	-.0047693
tsd_depend_miss	.0606493	.0215059	2.82	0.007	.0174744	.1038242
tsd_vrpr	.0975536	.0165943	5.88	0.000	.0642392	.130868
tsd_vrpr_miss	.1275958	.0142568	8.95	0.000	.098974	.1562176
pdcgrou2	-.0050696	.005819	-0.87	0.388	-.0167518	.0066126
pdcgrou3	.035746	.0063182	5.66	0.000	.0230617	.0484302
pdcgrou4	.0372287	.007209	5.16	0.000	.022756	.0517014
pdcgrou5	-.0400988	.0523368	-0.77	0.447	-.1451693	.0649717
cohort2000	.0186113	.0205619	0.91	0.370	-.0226685	.0598911
cohort2001	.0617413	.0299013	2.06	0.044	.0017119	.1217707
cohort2002	.0413302	.0470859	0.88	0.384	-.0531987	.1358591
cohort2003	.0021685	.0462827	0.05	0.963	-.0907479	.0950849
cohort2004	.0778854	.055389	1.41	0.166	-.0333127	.1890836
award_b4_tsd	-.0097044	.0085224	-1.14	0.260	-.0268139	.007405
diaward_tsd	-.0019218	.0007907	-2.43	0.019	-.0035092	-.0003344
epeb4twp_flag	.4759573	1.008776	0.47	0.639	-1.549246	2.50116
ldwb4twp_flag	-.825421	.5820822	-1.42	0.162	-1.994	.3431579
ldwb4epe_flag	.5210703	.2159877	2.41	0.019	.0874568	.9546837
twpb4tsd	.8514211	.050891	16.73	0.000	.7492531	.9535891
epeb4tsd	.5156053	.0454234	11.35	0.000	.424414	.6067967
ldwb4tsd	5.212951	.1103963	47.22	0.000	4.991322	5.434581
st_AL	.1883244	.0281483	6.69	0.000	.1318144	.2448344
st_AR	.0413086	.0205722	2.01	0.050	8.20e-06	.082609
st_AZ	-.0181206	.0244694	-0.74	0.462	-.0672449	.0310038
st_CA	.2045541	.0172756	11.84	0.000	.1698719	.2392363
st_CO	.0354608	.0194802	1.82	0.075	-.0036472	.0745689
st_CT	.0625208	.0246518	2.54	0.014	.0130303	.1120112
st_DC	.1495078	.0096224	15.54	0.000	.1301901	.1688255
st_DE	-.020856	.0403403	-0.52	0.607	-.1018427	.0601306
st_FL	.0308808	.0285654	1.08	0.285	-.0264667	.0882283
st_GA	.1053268	.0326173	3.23	0.002	.0398448	.1708088
st_HI	.2385124	.046087	5.18	0.000	.1459889	.331036
st_IA	-.002067	.0334821	-0.06	0.951	-.069285	.0651511
st_ID	.2137795	.0317575	6.73	0.000	.1500237	.2775354
st_IL	.0009507	.0137528	0.07	0.945	-.0266592	.0285605
st_IN	.0587307	.025825	2.27	0.027	.0068849	.1105765
st_KS	.0390887	.0229546	1.70	0.095	-.0069946	.085172
st_KY	.0421724	.0167155	2.52	0.015	.0086147	.07573
st_LA	.0642994	.0170369	3.77	0.000	.0300964	.0985025
st_MA	-.0124229	.022935	-0.54	0.590	-.0584669	.033621
st_MD	.2728969	.0342628	7.96	0.000	.2041114	.3416824

st_ME	.1866208	.0314207	5.94	0.000	.123541	.2497005
st_MI	.0520397	.0076314	6.82	0.000	.0367191	.0673603
st_MN	.1430177	.0312112	4.58	0.000	.0803587	.2056767
st_MO	.0449245	.0232517	1.93	0.059	-.0017553	.0916043
st_MS	.0663037	.0154989	4.28	0.000	.0351884	.0974191
st_MT	.1288678	.0380487	3.39	0.001	.0524819	.2052538
st_NC	.1619955	.0238107	6.80	0.000	.1141936	.2097974
st_ND	.0351955	.0451834	0.78	0.440	-.055514	.125905
st_NE	.1258604	.037725	3.34	0.002	.0501243	.2015964
st_NH	.0540021	.0361645	1.49	0.142	-.0186013	.1266054
st_NJ	.0657218	.0211234	3.11	0.003	.0233148	.1081288
st_NM	.1433549	.0189236	7.58	0.000	.1053643	.1813455
st_NV	.023684	.0260332	0.91	0.367	-.0285798	.0759479
st_NY	.0016358	.0171006	0.10	0.924	-.032695	.0359666
st_OH	.148515	.0187278	7.93	0.000	.1109174	.1861127
st_OK	.1049022	.0246424	4.26	0.000	.0554306	.1543738
st_OR	-.0678364	.0107063	-6.34	0.000	-.0893303	-.0463425
st_PA	.2061838	.0237909	8.67	0.000	.1584215	.2539461
st_PR	.1046052	.0417845	2.50	0.016	.0207193	.1884911
st_RI	.2522771	.0249019	10.13	0.000	.2022844	.3022698
st_SC	.0535076	.0127314	4.20	0.000	.0279482	.079067
st_SD	.082307	.045319	1.82	0.075	-.0086746	.1732887
st_TN	.0619085	.0225061	2.75	0.008	.0167256	.1070914
st_TX	.2012265	.0190049	10.59	0.000	.1630725	.2393804
st_UT	.1688816	.0276105	6.12	0.000	.1134512	.2243121
st_VA	.0908652	.0397943	2.28	0.027	.0109748	.1707557
st_VT	.0226383	.0381824	0.59	0.556	-.0540162	.0992927
st_WA	.1697774	.0186144	9.12	0.000	.1324075	.2071473
st_WI	.0006814	.0252132	0.03	0.979	-.0499362	.0512989
st_WV	.19972	.0265446	7.52	0.000	.1464295	.2530106
st_WY	.2873839	.0384318	7.48	0.000	.2102289	.3645389
tsd_unemp_mean	.0128484	.0110517	1.16	0.250	-.0093387	.0350355
tsd_unemp_cng	.005003	.0074193	0.67	0.503	-.0098918	.0198978
pial	.000047	.0000381	1.23	0.223	-.0000295	.0001236
pia_miss	-.0763691	.0433169	-1.76	0.084	-.1633314	.0105933
ime1	9.10e-06	.0000135	0.67	0.504	-.0000181	.0000363
ime_miss	.0091536	.0215525	0.42	0.673	-.034115	.0524221
phase2_st	.1265669	.0203819	6.21	0.000	.0856485	.1674853
_cons	-.3138651	.0986034	-3.18	0.002	-.5118196	-.1159106

(1) motoimm = 0

F(1, 51) = 2.55
 Prob > F = 0.1165

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(48, 51) = .
 Prob > F = .
 R-squared = 0.3534
 Root MSE = 2.4555

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0029555	.0017525	1.69	0.098	-.0005628	.0064737
male	.0553386	.0103992	5.32	0.000	.0344613	.076216

gendermiss_flag	-.2328609	.0696028	-3.35	0.002	-.3725944	-.0931274
tsd_age	-.0123155	.0016367	-7.52	0.000	-.0156013	-.0090298
doage2	.0004536	.001096	0.41	0.681	-.0017468	.002654
doage2miss_flag	3.473614	2.468804	1.41	0.165	-1.482716	8.429945
race_a	.0093812	.0520506	0.18	0.858	-.0951148	.1138771
race_b	.0759332	.019677	3.86	0.000	.03643	.1154364
race_h	.1185264	.0284975	4.16	0.000	.0613153	.1757374
race_i	.0567995	.0724962	0.78	0.437	-.0887427	.2023417
race_o	.1013222	.0644624	1.57	0.122	-.0280915	.2307358
race_mis	.104208	.0509456	2.05	0.046	.0019304	.2064855
tsd_edu_hs	.0575594	.0127246	4.52	0.000	.0320137	.0831051
tsd_edu_mrhs	.1732881	.0178712	9.70	0.000	.1374102	.209166
tsd_edu_mis	.1177505	.0159811	7.37	0.000	.0856671	.149834
tsd_mie_exp	.0219597	.0382254	0.57	0.568	-.054781	.0987003
tsd_mie_mis	-.0279009	.0207505	-1.34	0.185	-.0695593	.0137574
tsd_mie_psbl	-.0174409	.0192326	-0.91	0.369	-.056052	.0211701
tsd_medicare	-.0952437	.020909	-4.56	0.000	-.1372203	-.053267
tsd_medicare_miss	-.1039071	.0312118	-3.33	0.002	-.1665675	-.0412467
tsd_depend_1	-.0893907	.0117688	-7.60	0.000	-.1130176	-.0657638
tsd_depend_2	-.052006	.0143306	-3.63	0.001	-.0807758	-.0232362
tsd_depend_miss	.1263065	.0369753	3.42	0.001	.0520755	.2005375
tsd_vrpr	.2795947	.0420598	6.65	0.000	.195156	.3640333
tsd_vrpr_miss	.2891787	.031282	9.24	0.000	.2263775	.3519799
pdcgroup2	-.0405909	.0144467	-2.81	0.007	-.0695939	-.0115879
pdcgroup3	.11003	.0131507	8.37	0.000	.0836288	.1364311
pdcgroup4	.1040253	.0167904	6.20	0.000	.0703172	.1377334
pdcgroup5	-.0340279	.1218155	-0.28	0.781	-.2785827	.2105268
cohort2000	.0284062	.0467957	0.61	0.547	-.0655401	.1223524
cohort2001	.1199452	.057883	2.07	0.043	.0037402	.2361501
cohort2002	.0700093	.0927695	0.75	0.454	-.1162332	.2562518
cohort2003	.0497877	.1022584	0.49	0.628	-.1555045	.25508
cohort2004	.2117832	.1359322	1.56	0.125	-.061112	.4846784
award_b4_tsd	-.0000987	.0338548	-0.00	0.998	-.068065	.0678676
diaward_tsd	-.005774	.0016896	-3.42	0.001	-.009166	-.0023819
epeb4twp_flag	.1651492	1.780226	0.09	0.926	-3.408804	3.739102
ldwb4twp_flag	-1.419038	1.036828	-1.37	0.177	-3.500556	.662481
ldwb4epe_flag	2.042486	.4661366	4.38	0.000	1.106677	2.978294
twpb4tsd	2.604332	.1379615	18.88	0.000	2.327363	2.881302
epeb4tsd	.8408678	.0841746	9.99	0.000	.6718803	1.009855
ldwb4tsd	9.530493	.2165474	44.01	0.000	9.095756	9.96523
st_AL	.3623087	.0698175	5.19	0.000	.2221442	.5024732
st_AR	-.0068356	.0490676	-0.14	0.890	-.1053428	.0916717
st_AZ	.0112825	.0617475	0.18	0.856	-.1126807	.1352457
st_CA	.4765502	.04358	10.94	0.000	.3890596	.5640408
st_CO	-.0368221	.0479031	-0.77	0.446	-.1329916	.0593475
st_CT	.0748489	.0618517	1.21	0.232	-.0493237	.1990214
st_DC	.3633672	.022878	15.88	0.000	.3174377	.4092967
st_DE	.1027623	.098271	1.05	0.301	-.0945249	.3000495
st_FL	.0044059	.0717445	0.06	0.951	-.1396271	.148439
st_GA	.1952237	.0808132	2.42	0.019	.0329844	.3574631
st_HI	.4721763	.1226982	3.85	0.000	.2258493	.7185032
st_IA	-.1176717	.0845273	-1.39	0.170	-.2873674	.0520239
st_ID	.41138	.0841512	4.89	0.000	.2424394	.5803207
st_IL	-.0991461	.0331885	-2.99	0.004	-.1657748	-.0325175
st_IN	.0786554	.0624223	1.26	0.213	-.0466626	.2039734
st_KS	.0289307	.0551628	0.52	0.602	-.0818133	.1396747
st_KY	.012594	.0394166	0.32	0.751	-.0665381	.091726
st_LA	.1372828	.0408361	3.36	0.001	.0553009	.2192647
st_MA	-.0238862	.0575766	-0.41	0.680	-.139476	.0917037
st_MD	.5955387	.0860653	6.92	0.000	.4227554	.768322
st_ME	.3952079	.0785213	5.03	0.000	.2375698	.552846
st_MI	.0652755	.0170877	3.82	0.000	.0309706	.0995805
st_MN	.3091475	.0809289	3.82	0.000	.1466759	.471619

st_MO	.0349984	.0565978	0.62	0.539	-.0786264	.1486231
st_MS	.1259637	.0375043	3.36	0.001	.0506707	.2012566
st_MT	.1456281	.0941291	1.55	0.128	-.043344	.3346002
st_NC	.3077788	.0593434	5.19	0.000	.1886419	.4269156
st_ND	-.0016203	.11163	-0.01	0.988	-.2257269	.2224862
st_NE	.2345526	.0953266	2.46	0.017	.0431765	.4259286
st_NH	.191823	.0897404	2.14	0.037	.0116617	.3719843
st_NJ	.1268821	.0521288	2.43	0.018	.0222292	.2315349
st_NM	.2542421	.0467088	5.44	0.000	.1604702	.348014
st_NV	.0189061	.0646108	0.29	0.771	-.1108055	.1486177
st_NY	-.0439663	.0429514	-1.02	0.311	-.1301948	.0422622
st_OH	.3068521	.0433482	7.08	0.000	.2198269	.3938773
st_OK	.0013134	.0606331	0.02	0.983	-.1204127	.1230395
st_OR	-.1145921	.0205162	-5.59	0.000	-.1557802	-.0734041
st_PA	.4294149	.0586671	7.32	0.000	.3116357	.5471941
st_PR	.2012074	.0910687	2.21	0.032	.0183795	.3840354
st_RI	.5693431	.0656493	8.67	0.000	.4375466	.7011396
st_SC	.046623	.027038	1.72	0.091	-.007658	.100904
st_SD	.0736255	.1103264	0.67	0.508	-.1478639	.2951149
st_TN	.0699047	.0534646	1.31	0.197	-.0374299	.1772394
st_TX	.4272857	.0475624	8.98	0.000	.3318002	.5227712
st_UT	.3533545	.0701151	5.04	0.000	.2125925	.4941165
st_VA	.164247	.097266	1.69	0.097	-.0310227	.3595167
st_VT	-.0487818	.0936598	-0.52	0.605	-.2368117	.1392482
st_WA	.4061664	.0454782	8.93	0.000	.3148652	.4974676
st_WI	-.0728119	.0625461	-1.16	0.250	-.1983785	.0527547
st_WV	.4095212	.064336	6.37	0.000	.2803613	.5386811
st_WY	.5090613	.0992013	5.13	0.000	.3099063	.7082162
tsd_unemp_mean	.0219864	.0270082	0.81	0.419	-.0322349	.0762076
tsd_unemp_cng	.0273092	.0228414	1.20	0.237	-.0185469	.0731653
pial	.0000612	.0000748	0.82	0.417	-.0000889	.0002113
pia_miss	-.2589056	.084008	-3.08	0.003	-.4275587	-.0902525
ime1	.0000554	.0000271	2.04	0.046	9.89e-07	.0001098
ime_miss	.0070235	.0411067	0.17	0.865	-.0755016	.0895486
phase2_st	.2974936	.0377905	7.87	0.000	.221626	.3733613
_cons	-.3665168	.1840519	-1.99	0.052	-.7360164	.0029827

(1) motoimm = 0

F(1, 51) = 2.84
 Prob > F = 0.0978

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(48, 51) = .
 Prob > F = .
 R-squared = 0.3034
 Root MSE = 4.0885

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0030297	.0031103	0.97	0.335	-.0032144	.0092738
male	.1214542	.0187032	6.49	0.000	.0839058	.1590025
gendermiss_flag	-.5841956	.1304892	-4.48	0.000	-.8461637	-.3222275
tsd_age	-.0267604	.002894	-9.25	0.000	-.0325704	-.0209504
doage2	-.0006419	.0017693	-0.36	0.718	-.0041938	.0029101

doage2miss_flag	6.317017	4.667101	1.35	0.182	-3.052579	15.68661
race_a	.0630019	.0850818	0.74	0.462	-.1078068	.2338107
race_b	.1566541	.0331008	4.73	0.000	.0902016	.2231067
race_h	.2066257	.0444727	4.65	0.000	.117343	.2959083
race_i	.0763826	.1121065	0.68	0.499	-.1486805	.3014458
race_o	.2594365	.1100834	2.36	0.022	.0384349	.4804381
race_mis	.1693321	.0920259	1.84	0.072	-.0154177	.3540818
tsd_edu_hs	.1180972	.0216505	5.45	0.000	.074632	.1615624
tsd_edu_mrhs	.3734445	.0317717	11.75	0.000	.3096601	.4372289
tsd_edu_mis	.2417381	.0286717	8.43	0.000	.1841773	.2992989
tsd_mie_exp	.0479259	.0679232	0.71	0.484	-.0884357	.1842875
tsd_mie_mis	-.0690836	.0327374	-2.11	0.040	-.1348067	-.0033605
tsd_mie_psbl	-.057327	.0312202	-1.84	0.072	-.1200042	.0053502
tsd_medicare	-.1725255	.0322331	-5.35	0.000	-.2372361	-.1078149
tsd_medicare_miss	-.2713156	.0625932	-4.33	0.000	-.3969766	-.1456546
tsd_depend_1	-.1752333	.0218126	-8.03	0.000	-.2190239	-.1314428
tsd_depend_2	-.087615	.0240907	-3.64	0.001	-.1359792	-.0392509
tsd_depend_miss	.1330015	.0563912	2.36	0.022	.0197914	.2462116
tsd_vrpr	.4595052	.0642538	7.15	0.000	.3305103	.5885001
tsd_vrpr_miss	.3517012	.0440346	7.99	0.000	.2632981	.4401044
pdcgroup2	-.1174647	.0307957	-3.81	0.000	-.1792896	-.0556397
pdcgroup3	.1926453	.02517	7.65	0.000	.1421144	.2431761
pdcgroup4	.1690609	.029537	5.72	0.000	.109763	.2283588
pdcgroup5	-.0843661	.1980201	-0.43	0.672	-.481908	.3131758
cohort2000	.0053295	.0665979	0.08	0.937	-.1283715	.1390304
cohort2001	.1165213	.0786426	1.48	0.145	-.0413604	.274403
cohort2002	.0289663	.1259616	0.23	0.819	-.2239122	.2818448
cohort2003	.0392882	.1491466	0.26	0.793	-.260136	.3387125
cohort2004	.280565	.2087106	1.34	0.185	-.1384389	.6995689
award_b4_tsd	.0868613	.0755063	1.15	0.255	-.064724	.2384466
diaward_tsd	-.0118161	.0027395	-4.31	0.000	-.017316	-.0063163
epeb4twp_flag	-.5329359	2.057451	-0.26	0.797	-4.663441	3.59757
ldwb4twp_flag	-2.327914	1.308375	-1.78	0.081	-4.954585	.2987578
ldwb4epe_flag	4.210659	.7724391	5.45	0.000	2.659923	5.761396
twpb4tsd	4.50368	.2228094	20.21	0.000	4.056372	4.950989
epeb4tsd	1.013929	.1319384	7.68	0.000	.7490517	1.278806
ldwb4tsd	13.35399	.3132847	42.63	0.000	12.72505	13.98294
st_AL	.5700698	.1161488	4.91	0.000	.3368913	.8032483
st_AR	-.0669063	.0806838	-0.83	0.411	-.2288857	.0950731
st_AZ	.1434604	.1014424	1.41	0.163	-.0601938	.3471146
st_CA	.8377825	.0722431	11.60	0.000	.6927484	.9828165
st_CO	-.1689371	.0787918	-2.14	0.037	-.3271183	-.0107558
st_CT	.1115882	.1005686	1.11	0.272	-.0903117	.3134881
st_DC	.7239878	.0397448	18.22	0.000	.6441967	.8037789
st_DE	.3960277	.1586982	2.50	0.016	.0774279	.7146276
st_FL	.0200419	.1170465	0.17	0.865	-.2149387	.2550225
st_GA	.3229118	.1289814	2.50	0.016	.0639709	.5818527
st_HI	.7665729	.1980738	3.87	0.000	.368923	1.164223
st_IA	-.3677182	.1373651	-2.68	0.010	-.6434901	-.0919463
st_ID	.5842756	.1374637	4.25	0.000	.3083057	.8602456
st_IL	-.1038523	.0559544	-1.86	0.069	-.2161855	.008481
st_IN	.1424386	.1017712	1.40	0.168	-.0618757	.3467529
st_KS	.1373459	.0909856	1.51	0.137	-.0453153	.3200071
st_KY	.0126604	.0658079	0.19	0.848	-.1194546	.1447753
st_LA	.2301955	.0669444	3.44	0.001	.095799	.3645919
st_MA	.0859828	.095726	0.90	0.373	-.1061951	.2781607
st_MD	.9629067	.1416486	6.80	0.000	.6785353	1.247278
st_ME	.7041448	.1300748	5.41	0.000	.4430087	.9652809
st_MI	.089905	.0304775	2.95	0.005	.0287189	.1510911
st_MN	.5335273	.1331656	4.01	0.000	.2661862	.8008684
st_MO	.0286596	.0929341	0.31	0.759	-.1579134	.2152327
st_MS	.2403017	.0620521	3.87	0.000	.1157269	.3648764
st_MT	.2431706	.1513799	1.61	0.114	-.0607372	.5470784

st_NC	.4567625	.0989636	4.62	0.000	.2580848	.6554401
st_ND	-.0355337	.1791959	-0.20	0.844	-.3952845	.3242171
st_NE	.3705353	.156606	2.37	0.022	.0561356	.6849349
st_NH	.4408964	.1456575	3.03	0.004	.1484767	.7333161
st_NJ	.2456615	.0856297	2.87	0.006	.0737528	.4175702
st_NM	.3837546	.0765721	5.01	0.000	.2300298	.5374794
st_NV	.060957	.1054091	0.58	0.566	-.1506605	.2725745
st_NY	.007243	.0723706	0.10	0.921	-.138047	.1525331
st_OH	.4995476	.0722606	6.91	0.000	.3544784	.6446168
st_OK	.1478053	.0988681	1.49	0.141	-.0506806	.3462912
st_OR	-.1538642	.0339419	-4.53	0.000	-.2220054	-.085723
st_PA	.6897871	.0982632	7.02	0.000	.4925156	.8870587
st_PR	.2747751	.1426328	1.93	0.060	-.0115721	.5611224
st_RI	.891891	.1072989	8.31	0.000	.6764794	1.107303
st_SC	-.0305667	.0467224	-0.65	0.516	-.1243657	.0632324
st_SD	.0551842	.1783736	0.31	0.758	-.3029158	.4132841
st_TN	.0877982	.0877016	1.00	0.322	-.08827	.2638665
st_TX	.704431	.0790223	8.91	0.000	.5457871	.863075
st_UT	.601134	.1151007	5.22	0.000	.3700597	.8322084
st_VA	.2917791	.1567127	1.86	0.068	-.0228348	.606393
st_VT	-.1320902	.1536337	-0.86	0.394	-.4405227	.1763424
st_WA	.7142794	.0758154	9.42	0.000	.5620737	.8664851
st_WI	-.0065181	.1033984	-0.06	0.950	-.2140992	.2010629
st_WV	.6387594	.1072469	5.96	0.000	.4234522	.8540666
st_WY	.6943672	.1615267	4.30	0.000	.3700888	1.018646
tsd_unemp_mean	.0296595	.0427866	0.69	0.491	-.0562382	.1155571
tsd_unemp_cng	.0592463	.0400358	1.48	0.145	-.0211289	.1396215
pial	.0001386	.0001187	1.17	0.248	-.0000997	.000377
pia_miss	-.4017247	.117327	-3.42	0.001	-.6372685	-.1661809
ime1	.0001069	.000043	2.49	0.016	.0000207	.0001932
ime_miss	-.0687147	.0598439	-1.15	0.256	-.1888564	.051427
phase2_st	.4333773	.0583359	7.43	0.000	.3162631	.5504916
_cons	.0504676	.2788089	0.18	0.857	-.5092646	.6101998

(1) motoimm = 0

F(1, 51) = 0.95
 Prob > F = 0.3346

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(48, 51) = .
 Prob > F = .
 R-squared = 0.2660
 Root MSE = 5.906

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0033424	.0043717	0.76	0.448	-.0054342	.012119
male	.2145613	.0300183	7.15	0.000	.154297	.2748255
gendermiss_flag	-1.076213	.2187977	-4.92	0.000	-1.515468	-.6369586
tsd_age	-.0463501	.0042697	-10.86	0.000	-.054922	-.0377783
doage2	-.0026045	.0026264	-0.99	0.326	-.0078773	.0026682
doage2miss_flag	6.667247	5.342189	1.25	0.218	-4.057644	17.39214
race_a	.1018054	.1134821	0.90	0.374	-.1260195	.3296304
race_b	.2584617	.049241	5.25	0.000	.1596062	.3573172

race_h	.2772174	.0679795	4.08	0.000	.1407428	.413692
race_i	.1429092	.1652363	0.86	0.391	-.1888164	.4746349
race_o	.390594	.170753	2.29	0.026	.0477929	.733395
race_mis	.2091469	.1237023	1.69	0.097	-.0391958	.4574896
tsd_edu_hs	.1874154	.0291652	6.43	0.000	.1288638	.245967
tsd_edu_mrhs	.6270026	.0474324	13.22	0.000	.5317782	.722227
tsd_edu_mis	.3830955	.0396942	9.65	0.000	.303406	.462785
tsd_mie_exp	.0657959	.0988852	0.67	0.509	-.1327245	.2643163
tsd_mie_mis	-.1008321	.048855	-2.06	0.044	-.1989126	-.0027515
tsd_mie_psbl	-.1045781	.0409107	-2.56	0.014	-.1867098	-.0224465
tsd_medicare	-.2572919	.0460876	-5.58	0.000	-.3498166	-.1647672
tsd_medicare_miss	-.4853512	.1066466	-4.55	0.000	-.6994532	-.2712493
tsd_depend_1	-.2556675	.0345146	-7.41	0.000	-.3249585	-.1863765
tsd_depend_2	-.1049934	.033055	-3.18	0.003	-.171354	-.0386327
tsd_depend_miss	.0706408	.0772831	0.91	0.365	-.0845115	.2257932
tsd_vrpr	.4764317	.0815314	5.84	0.000	.3127506	.6401128
tsd_vrpr_miss	.1920274	.060777	3.16	0.003	.0700126	.3140423
pdcgrou2	-.2466501	.0534833	-4.61	0.000	-.3540223	-.1392779
pdcgrou3	.2618099	.0423844	6.18	0.000	.1767197	.3469001
pdcgrou4	.2109522	.0473158	4.46	0.000	.1159618	.3059427
pdcgrou5	-.2758268	.2664132	-1.04	0.305	-.8106736	.25902
cohort2000	-.0110443	.0852308	-0.13	0.897	-.1821522	.1600636
cohort2001	.1110033	.0995987	1.11	0.270	-.0889495	.310956
cohort2002	-.0123773	.1585978	-0.08	0.938	-.3307756	.306021
cohort2003	.0419639	.1990823	0.21	0.834	-.3577105	.4416384
cohort2004	.445212	.2965798	1.50	0.139	-.1501968	1.040621
award_b4_tsd	.2146036	.124356	1.73	0.090	-.0350515	.4642587
diaward_tsd	-.0175838	.0039909	-4.41	0.000	-.0255959	-.0095716
epeb4twp_flag	-.9296831	2.880057	-0.32	0.748	-6.711638	4.852272
ldwb4twp_flag	-2.967385	1.698682	-1.75	0.087	-6.377632	.4428623
ldwb4epe_flag	7.004778	1.097454	6.38	0.000	4.801547	9.208009
twpb4tsd	6.396138	.2964645	21.57	0.000	5.80096	6.991315
epeb4tsd	1.068708	.1774632	6.02	0.000	.7124353	1.42498
ldwb4tsd	16.84673	.400538	42.06	0.000	16.04261	17.65084
st_AL	.4609175	.1595148	2.89	0.006	.1406781	.7811569
st_AR	-.3681486	.1051394	-3.50	0.001	-.5792246	-.1570725
st_AZ	.0796098	.134609	0.59	0.557	-.1906292	.3498487
st_CA	1.003561	.1017122	9.87	0.000	.799365	1.207756
st_CO	-.4324362	.105913	-4.08	0.000	-.6450654	-.2198069
st_CT	-.1227204	.1309641	-0.94	0.353	-.3856418	.1402009
st_DC	.8722868	.0594417	14.67	0.000	.7529527	.9916209
st_DE	.3761358	.2065701	1.82	0.074	-.0385709	.7908426
st_FL	-.2516153	.1546217	-1.63	0.110	-.5620314	.0588008
st_GA	.2318196	.1656814	1.40	0.168	-.1007997	.5644389
st_HI	.8792751	.2617855	3.36	0.001	.3537187	1.404831
st_IA	-.8907337	.1827256	-4.87	0.000	-1.257571	-.5238967
st_ID	.5102589	.186916	2.73	0.009	.1350095	.8855084
st_IL	-.2975181	.0766607	-3.88	0.000	-.4514208	-.1436153
st_IN	-.0611148	.1322496	-0.46	0.646	-.3266169	.2043874
st_KS	-.0141649	.1193139	-0.12	0.906	-.2536975	.2253678
st_KY	-.2346672	.0860899	-2.73	0.009	-.4074999	-.0618346
st_LA	.1078007	.0871925	1.24	0.222	-.0672455	.2828469
st_MA	.0337496	.1298048	0.26	0.796	-.2268444	.2943437
st_MD	1.054731	.1914189	5.51	0.000	.6704416	1.439021
st_ME	.66323	.1774524	3.74	0.000	.3069795	1.019481
st_MI	-.121437	.0412323	-2.95	0.005	-.2042143	-.0386597
st_MN	.4897587	.1820706	2.69	0.010	.1242368	.8552807
st_MO	-.2423424	.122176	-1.98	0.053	-.487621	.0029362
st_MS	.152287	.0812218	1.87	0.067	-.0107725	.3153465
st_MT	.098366	.1966305	0.50	0.619	-.2963863	.4931183
st_NC	.3041401	.1372802	2.22	0.031	.0285386	.5797415
st_ND	-.3878061	.2329069	-1.67	0.102	-.8553863	.0797741
st_NE	.2186356	.2113485	1.03	0.306	-.2056643	.6429355

st_NH	.4793453	.189171	2.53	0.014	.0995687	.859122
st_NJ	.1341278	.112128	1.20	0.237	-.0909785	.3592341
st_NM	.26034	.1010808	2.58	0.013	.0574118	.4632683
st_NV	-.112852	.1372481	-0.82	0.415	-.388389	.162685
st_NY	-.060225	.0982619	-0.61	0.543	-.2574939	.137044
st_OH	.4223285	.1029587	4.10	0.000	.2156304	.6290267
st_OK	.2175939	.1299554	1.67	0.100	-.0433024	.4784902
st_OR	-.3938389	.0470428	-8.37	0.000	-.4882813	-.2993965
st_PA	.6779791	.1360625	4.98	0.000	.4048222	.951136
st_PR	.1401349	.1839569	0.76	0.450	-.229174	.5094439
st_RI	.9578441	.1465869	6.53	0.000	.6635587	1.252129
st_SC	-.3980677	.0648347	-6.14	0.000	-.5282289	-.2679066
st_SD	-.3249612	.2315605	-1.40	0.167	-.7898383	.1399158
st_TN	-.1535307	.1143188	-1.34	0.185	-.3830353	.0759739
st_TX	.7219756	.1116292	6.47	0.000	.4978707	.9460805
st_UT	.6134304	.1580804	3.88	0.000	.2960708	.9307901
st_VA	.1612729	.2020479	0.80	0.428	-.2443551	.5669009
st_VT	-.5911381	.2038074	-2.90	0.005	-1.000298	-.1819776
st_WA	.7779162	.1080142	7.20	0.000	.5610686	.9947637
st_WI	-.1593889	.1394546	-1.14	0.258	-.4393557	.1205778
st_WV	.5582555	.1472009	3.79	0.000	.2627374	.8537737
st_WY	.5718743	.2190327	2.61	0.012	.1321478	1.011601
tsd_unemp_mean	.016219	.0547442	0.30	0.768	-.0936846	.1261226
tsd_unemp_cng	.0910324	.0565622	1.61	0.114	-.0225209	.2045857
pial	.0002255	.0001681	1.34	0.186	-.000112	.0005629
pia_miss	-.5050039	.1402838	-3.60	0.001	-.7866354	-.2233725
ime1	.0001661	.0000611	2.72	0.009	.0000434	.0002889
ime_miss	-.1948538	.0787912	-2.47	0.017	-.3530337	-.0366738
phase2_st	.5137392	.0789765	6.50	0.000	.3551873	.6722911
_cons	1.344698	.392265	3.43	0.001	.5571936	2.132203

(1) motoimm = 0

F(1, 51) = 0.58
 Prob > F = 0.4481

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_unemp.xls

dir : seeout

Linear regression

Number of obs = 191505
 F(49, 51) = .
 Prob > F = .
 R-squared = 0.1167
 Root MSE = .12601

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	.0000275	.0001491	0.18	0.854	-.0002718 .0003269
int_motoimm	.0000389	.0002346	0.17	0.869	-.0004322 .0005099
male	.0020849	.0005713	3.65	0.001	.0009379 .0032319
gendermiss_flag	-.0077011	.0023194	-3.32	0.002	-.0123575 -.0030447
tsd_age	-.0004533	.0000892	-5.08	0.000	-.0006325 -.0002741
doage2	-.0000601	.0000599	-1.00	0.321	-.0001803 .0000602
doage2miss_flag	-.0681138	.0384339	-1.77	0.082	-.1452729 .0090454
race_a	-.0025854	.002371	-1.09	0.281	-.0073454 .0021747
race_b	.0046585	.0011339	4.11	0.000	.0023821 .0069349
race_h	.0026254	.0008968	2.93	0.005	.0008249 .0044258
race_i	.004405	.0038886	1.13	0.263	-.0034016 .0122116

race_o	.0092326	.0026865	3.44	0.001	.0038392	.014626
race_mis	.0049236	.0017546	2.81	0.007	.0014011	.0084461
tsd_edu_hs	.0032062	.0006844	4.68	0.000	.0018322	.0045801
tsd_edu_mrhs	.0077545	.0010624	7.30	0.000	.0056216	.0098873
tsd_edu_mis	.005307	.0007888	6.73	0.000	.0037234	.0068906
tsd_mie_exp	.0026545	.0020026	1.33	0.191	-.0013659	.0066748
tsd_mie_mis	-.0007165	.0009487	-0.76	0.454	-.0026211	.0011881
tsd_mie_psbl	.0001988	.000806	0.25	0.806	-.0014192	.0018168
tsd_medicare	-.0048605	.0010452	-4.65	0.000	-.0069588	-.0027622
tsd_medicare_miss	-.0059791	.00178	-3.36	0.001	-.0095526	-.0024056
tsd_depend_1	-.0026745	.0006991	-3.83	0.000	-.0040779	-.0012711
tsd_depend_2	-.0012309	.0006789	-1.81	0.076	-.0025937	.000132
tsd_depend_miss	.0031882	.0021941	1.45	0.152	-.0012167	.0075931
tsd_vrpr	.0111379	.0016867	6.60	0.000	.0077518	.014524
tsd_vrpr_miss	.010596	.0014563	7.28	0.000	.0076722	.0135197
pdcgrou2	-.0024042	.0008964	-2.68	0.010	-.0042038	-.0006046
pdcgrou3	.0032082	.0008638	3.71	0.001	.0014741	.0049423
pdcgrou4	.0022825	.0006151	3.71	0.001	.0010477	.0035173
pdcgrou5	-.0018369	.0061013	-0.30	0.765	-.0140858	.0104119
cohort2000	.0015494	.0016352	0.95	0.348	-.0017334	.0048322
cohort2001	.0057796	.0021278	2.72	0.009	.0015079	.0100514
cohort2002	.0054434	.0037667	1.45	0.155	-.0021185	.0130054
cohort2003	.004947	.0040642	1.22	0.229	-.0032122	.0131062
cohort2004	.0090235	.0057209	1.58	0.121	-.0024617	.0205088
award_b4_tsd	-.0017558	.0021746	-0.81	0.423	-.0061216	.0026099
diaward_tsd	-.000194	.0000797	-2.43	0.018	-.000354	-.0000341
epeb4twp_flag	-.0501939	.0898917	-0.56	0.579	-.230659	.1302711
ldwb4twp_flag	.180063	.0578895	3.11	0.003	.0638449	.296281
ldwb4epe_flag	.1065989	.0193205	5.52	0.000	.0678113	.1453865
twpb4tsd	.1553329	.008424	18.44	0.000	.138421	.1722449
epeb4tsd	.0642954	.0039382	16.33	0.000	.0563892	.0722017
ldwb4tsd	-.0962029	.0117546	-8.18	0.000	-.1198013	-.0726046
st_AL	-.0102737	.004486	-2.29	0.026	-.0192796	-.0012677
st_AR	-.0150012	.003327	-4.51	0.000	-.0216803	-.008322
st_AZ	-.0102704	.0038325	-2.68	0.010	-.0179645	-.0025763
st_CA	-.0005088	.0025808	-0.20	0.844	-.00569	.0046723
st_CO	-.020196	.0031139	-6.49	0.000	-.0264475	-.0139445
st_CT	-.0142572	.0039007	-3.65	0.001	-.0220882	-.0064261
st_DC	-.0060276	.0015712	-3.84	0.000	-.0091819	-.0028732
st_DE	-.0266616	.0063013	-4.23	0.000	-.0393119	-.0140113
st_FL	-.0175753	.0044832	-3.92	0.000	-.0265757	-.0085749
st_GA	-.0122998	.0049773	-2.47	0.017	-.0222922	-.0023075
st_HI	-.0040822	.0075979	-0.54	0.593	-.0193357	.0111713
st_IA	-.02626	.0054796	-4.79	0.000	-.0372607	-.0152593
st_ID	-.0057422	.0050843	-1.13	0.264	-.0159495	.004465
st_IL	-.0240772	.0021548	-11.17	0.000	-.0284032	-.0197512
st_IN	-.0144186	.0041372	-3.49	0.001	-.0227244	-.0061128
st_KS	-.0184267	.0037094	-4.97	0.000	-.0258737	-.0109798
st_KY	-.0144029	.0025718	-5.60	0.000	-.0195659	-.0092399
st_LA	-.0110807	.0026315	-4.21	0.000	-.0163637	-.0057978
st_MA	-.0150699	.0036251	-4.16	0.000	-.0223476	-.0077922
st_MD	-.0024707	.0057369	-0.43	0.669	-.0139881	.0090466
st_ME	-.0063959	.0051574	-1.24	0.221	-.0167498	.003958
st_MI	-.0096602	.0012486	-7.74	0.000	-.0121668	-.0071536
st_MN	-.0058663	.0050622	-1.16	0.252	-.016029	.0042964
st_MO	-.0153105	.0036666	-4.18	0.000	-.0226714	-.0079496
st_MS	-.008328	.0022505	-3.70	0.001	-.0128461	-.0038098
st_MT	-.0170743	.0057745	-2.96	0.005	-.0286671	-.0054815
st_NC	-.0079918	.0037041	-2.16	0.036	-.0154282	-.0005555
st_ND	-.025694	.0069166	-3.71	0.001	-.0395797	-.0118083
st_NE	-.0109453	.0062853	-1.74	0.088	-.0235636	.001673
st_NH	-.0176689	.0054667	-3.23	0.002	-.0286438	-.006694
st_NJ	-.0094449	.0032105	-2.94	0.005	-.0158903	-.0029995

st_NM	-.006663	.0029943	-2.23	0.031	-.0126743	-.0006518
st_NV	-.0142862	.0039335	-3.63	0.001	-.022183	-.0063894
st_NY	-.0176266	.0026059	-6.76	0.000	-.0228581	-.012395
st_OH	-.0087603	.0029675	-2.95	0.005	-.0147179	-.0028028
st_OK	-.0078793	.0039711	-1.98	0.053	-.0158516	.0000929
st_OR	-.0147155	.0010893	-13.51	0.000	-.0169023	-.0125287
st_PA	-.0040609	.0038642	-1.05	0.298	-.0118186	.0036967
st_PR	-.0036707	.0056901	-0.65	0.522	-.0150941	.0077526
st_RI	-.0019931	.004134	-0.48	0.632	-.0102925	.0063064
st_SC	-.0131627	.0018437	-7.14	0.000	-.0168641	-.0094613
st_SD	-.0219884	.0070048	-3.14	0.003	-.0360511	-.0079257
st_TN	-.0124355	.0036596	-3.40	0.001	-.0197825	-.0050885
st_TX	-.0027075	.0028964	-0.93	0.354	-.0085222	.0031073
st_UT	-.0084486	.0043482	-1.94	0.058	-.0171779	.0002808
st_VA	-.0125504	.0061569	-2.04	0.047	-.0249109	-.0001899
st_VT	-.0116885	.0059281	-1.97	0.054	-.0235897	.0002126
st_WA	-.0044445	.0026002	-1.71	0.093	-.0096646	.0007756
st_WI	-.0264962	.0039836	-6.65	0.000	-.0344936	-.0184988
st_WV	-.004453	.0041464	-1.07	0.288	-.0127772	.0038712
st_WY	-.0169656	.006156	-2.76	0.008	-.0293242	-.0046069
tsd_unemp_mean	-.0010951	.0017045	-0.64	0.523	-.0045171	.0023269
tsd_unemp_cng	.0004357	.0009129	0.48	0.635	-.0013969	.0022684
pial	-7.49e-06	2.68e-06	-2.79	0.007	-.0000129	-2.10e-06
pia_miss	-.0184092	.0028373	-6.49	0.000	-.0241054	-.0127131
ime1	4.06e-06	8.46e-07	4.80	0.000	2.36e-06	5.76e-06
ime_miss	.0034677	.0013719	2.53	0.015	.0007135	.0062218
phase2_st	.0079271	.0020694	3.83	0.000	.0037726	.0120816
_cons	.0229308	.0151861	1.51	0.137	-.0075565	.0534182

(1) motoimm = 0

F(1, 51) = 0.03
 Prob > F = 0.8542

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L

PM_PH2_PH3_interact_

> unemp.xls

dir : seeout

Linear regression

Number of obs = 191505
 F(49, 51) = .
 Prob > F = .
 R-squared = 0.1171
 Root MSE = .17458

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0000659	.0001751	-0.38	0.708	-.0004173 .0002855
int_motoimm	-.0001526	.0003165	-0.48	0.632	-.000788 .0004827
male	.0051283	.0008728	5.88	0.000	.0033761 .0068805
gendermiss_flag	-.0267207	.0055336	-4.83	0.000	-.0378299 -.0156115
tsd_age	-.0010578	.0001292	-8.19	0.000	-.0013173 -.0007984
doage2	-.0001175	.0000895	-1.31	0.195	-.0002972 .0000622
doage2miss_flag	-.0853793	.0439178	-1.94	0.057	-.1735481 .0027894
race_a	.000074	.003579	0.02	0.984	-.0071112 .0072592
race_b	.0101535	.0016722	6.07	0.000	.0067964 .0135107
race_h	.0054108	.0011427	4.73	0.000	.0031166 .0077049
race_i	.0058906	.0043882	1.34	0.185	-.0029191 .0147004
race_o	.0196001	.0050188	3.91	0.000	.0095245 .0296756

race_mis	.006182	.0035411	1.75	0.087	-.0009272	.0132911
tsd_edu_hs	.0051274	.0010009	5.12	0.000	.0031179	.0071369
tsd_edu_mrhs	.0158175	.0013602	11.63	0.000	.0130868	.0185482
tsd_edu_mis	.0095226	.0013729	6.94	0.000	.0067665	.0122788
tsd_mie_exp	.0040218	.0025428	1.58	0.120	-.001083	.0091266
tsd_mie_mis	-.0035581	.0012077	-2.95	0.005	-.0059826	-.0011335
tsd_mie_psbl	-.0005217	.0009692	-0.54	0.593	-.0024674	.001424
tsd_medicare	-.0094777	.0014485	-6.54	0.000	-.0123856	-.0065698
tsd_medicare_miss	-.0156295	.0030165	-5.18	0.000	-.0216854	-.0095735
tsd_depend_1	-.0046557	.0011959	-3.89	0.000	-.0070565	-.0022549
tsd_depend_2	-.0016373	.0012144	-1.35	0.184	-.0040752	.0008006
tsd_depend_miss	-.00401	.0031964	-1.25	0.215	-.0104271	.002407
tsd_vrpr	.0156789	.0028575	5.49	0.000	.0099423	.0214154
tsd_vrpr_miss	.0056211	.0022008	2.55	0.014	.0012028	.0100395
pdcgrou2	-.0073118	.0015712	-4.65	0.000	-.010466	-.0041575
pdcgrou3	.0051691	.0011207	4.61	0.000	.0029193	.0074189
pdcgrou4	.0033461	.001206	2.77	0.008	.000925	.0057672
pdcgrou5	-.0069923	.0076897	-0.91	0.367	-.02243	.0084455
cohort2000	-.0009835	.0019735	-0.50	0.620	-.0049456	.0029785
cohort2001	.0032897	.0028506	1.15	0.254	-.0024331	.0090125
cohort2002	.0020401	.0045913	0.44	0.659	-.0071773	.0112575
cohort2003	.0067562	.0065488	1.03	0.307	-.0063911	.0199036
cohort2004	.0107286	.009929	1.08	0.285	-.0092046	.0306619
award_b4_tsd	.0037935	.0054842	0.69	0.492	-.0072165	.0148034
diaward_tsd	-.0004467	.0001282	-3.48	0.001	-.0007041	-.0001892
epeb4twp_flag	-.0979684	.0931986	-1.05	0.298	-.2850724	.0891356
ldwb4twp_flag	.2530596	.0798285	3.17	0.003	.0927972	.4133219
ldwb4epe_flag	.2593131	.0276102	9.39	0.000	.2038833	.3147428
twpb4tsd	.2128468	.008858	24.03	0.000	.1950636	.23063
epeb4tsd	.0612412	.0040439	15.14	0.000	.0531228	.0693597
ldwb4tsd	-.1352482	.0143311	-9.44	0.000	-.1640192	-.1064773
st_AL	.0025745	.0059327	0.43	0.666	-.0093358	.0144848
st_AR	-.0085591	.0038722	-2.21	0.032	-.0163329	-.0007852
st_AZ	.0066704	.0046969	1.42	0.162	-.0027591	.0160998
st_CA	.0175837	.0039593	4.44	0.000	.009635	.0255324
st_CO	-.0216544	.0038412	-5.64	0.000	-.0293659	-.0139429
st_CT	-.001751	.0045383	-0.39	0.701	-.010862	.0073601
st_DC	.0214814	.0018859	11.39	0.000	.0176954	.0252674
st_DE	.0250196	.0073431	3.41	0.001	.0102778	.0397614
st_FL	-.0042338	.0054859	-0.77	0.444	-.0152471	.0067796
st_GA	.0021916	.0057353	0.38	0.704	-.0093226	.0137058
st_HI	.0127416	.0096206	1.32	0.191	-.0065727	.0320558
st_IA	-.0255296	.0065495	-3.90	0.000	-.0386782	-.0123809
st_ID	.0107169	.0067289	1.59	0.117	-.0027919	.0242256
st_IL	-.0140201	.0027146	-5.16	0.000	-.0194699	-.0085703
st_IN	-.0037439	.0048158	-0.78	0.440	-.013412	.0059242
st_KS	-.0051035	.0043583	-1.17	0.247	-.0138531	.0036461
st_KY	-.0083924	.0030492	-2.75	0.008	-.0145139	-.002271
st_LA	.0022093	.0030014	0.74	0.465	-.0038163	.0082348
st_MA	-.0024261	.0044901	-0.54	0.591	-.0114404	.0065881
st_MD	.017476	.007285	2.40	0.020	.0028507	.0321013
st_ME	.0118486	.0066521	1.78	0.081	-.0015062	.0252033
st_MI	.0008234	.0014402	0.57	0.570	-.002068	.0037148
st_MN	.0107116	.0065692	1.63	0.109	-.0024767	.0238999
st_MO	-.0036924	.0043138	-0.86	0.396	-.0123527	.004968
st_MS	.0014512	.0025926	0.56	0.578	-.0037537	.0066562
st_MT	-.0072545	.0068369	-1.06	0.294	-.0209802	.0064712
st_NC	.0002468	.0051255	0.05	0.962	-.010043	.0105367
st_ND	-.0130373	.0081827	-1.59	0.117	-.0294647	.0033902
st_NE	.0059757	.0078854	0.76	0.452	-.0098549	.0218063
st_NH	.0050123	.006494	0.77	0.444	-.008025	.0180495
st_NJ	.0054072	.0038082	1.42	0.162	-.0022382	.0130526
st_NM	.0039655	.0034026	1.17	0.249	-.0028654	.0107965

st_NV	.0015314	.0045962	0.33	0.740	-.0076958	.0107587
st_NY	-.0055263	.0033602	-1.64	0.106	-.0122722	.0012196
st_OH	.0046209	.0041211	1.12	0.267	-.0036525	.0128942
st_OK	-.0097101	.0047319	-2.05	0.045	-.0192097	-.0002104
st_OR	-.0029157	.0014436	-2.02	0.049	-.0058138	-.0000175
st_PA	.0107683	.0052213	2.06	0.044	.0002861	.0212505
st_PR	-.0055574	.0067044	-0.83	0.411	-.0190169	.0079022
st_RI	.0163746	.0056168	2.92	0.005	.0050985	.0276507
st_SC	-.0107562	.002504	-4.30	0.000	-.0157831	-.0057293
st_SD	-.0071532	.0083197	-0.86	0.394	-.0238557	.0095492
st_TN	-.0035687	.0042309	-0.84	0.403	-.0120627	.0049253
st_TX	.0111001	.0042534	2.61	0.012	.0025609	.0196392
st_UT	.0068813	.0058628	1.17	0.246	-.0048887	.0186513
st_VA	.0031364	.0071397	0.44	0.662	-.0111972	.01747
st_VT	.0047909	.0072311	0.66	0.511	-.0097263	.019308
st_WA	.0156276	.0038824	4.03	0.000	.0078333	.0234218
st_WI	-.0153615	.0050031	-3.07	0.003	-.0254057	-.0053174
st_WV	.0076523	.0055953	1.37	0.177	-.0035807	.0188854
st_WY	-.008658	.0077534	-1.12	0.269	-.0242236	.0069075
tsd_unemp_mean	.0005403	.0019506	0.28	0.783	-.0033757	.0044563
tsd_unemp_cng	.0010237	.0009659	1.06	0.294	-.0009155	.0029629
pial	-.0000119	4.28e-06	-2.77	0.008	-.0000205	-3.27e-06
pia_miss	-.022677	.0037727	-6.01	0.000	-.030251	-.015103
ime1	6.84e-06	1.30e-06	5.25	0.000	4.23e-06	9.46e-06
ime_miss	-.0019303	.0019706	-0.98	0.332	-.0058865	.0020258
phase2_st	.0088616	.0033254	2.66	0.010	.0021855	.0155377
_cons	.0489589	.0163044	3.00	0.004	.0162264	.0816913

(1) motoimm = 0

F(1, 51) = 0.14
 Prob > F = 0.7081

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > unemp.xls
 dir : seeout

Linear regression

Number of obs =	191505
F(49, 51) =	.
Prob > F =	.
R-squared =	0.1149
Root MSE =	.20805

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0001416	.0001938	-0.73	0.468	-.0005307	.0002474
int_motoimm	.0000355	.0003101	0.11	0.909	-.0005871	.000658
male	.0067962	.0010961	6.20	0.000	.0045957	.0089966
gendermiss_flag	-.046015	.0106844	-4.31	0.000	-.0674649	-.0245651
tsd_age	-.0016049	.0001546	-10.38	0.000	-.0019153	-.0012946
doage2	-.0002913	.0001159	-2.51	0.015	-.0005239	-.0000587
doage2miss_flag	-.0998346	.0336803	-2.96	0.005	-.1674506	-.0322186
race_a	.0011132	.0030908	0.36	0.720	-.0050919	.0073182
race_b	.0154316	.0017161	8.99	0.000	.0119864	.0188769
race_h	.0064125	.0021052	3.05	0.004	.0021861	.0106389
race_i	.0101345	.0054729	1.85	0.070	-.0008527	.0211217
race_o	.0146917	.0052788	2.78	0.008	.0040941	.0252893
race_mis	.0039572	.0043854	0.90	0.371	-.0048468	.0127612

tsd_edu_hs	.0066445	.001197	5.55	0.000	.0042414	.0090475
tsd_edu_mrhs	.0220985	.00154	14.35	0.000	.0190069	.0251901
tsd_edu_mis	.0131035	.001246	10.52	0.000	.0106021	.015605
tsd_mie_exp	.0031664	.0029034	1.09	0.281	-.0026623	.0089952
tsd_mie_mis	-.0043163	.001394	-3.10	0.003	-.0071149	-.0015177
tsd_mie_psbl	-.0017781	.001221	-1.46	0.151	-.0042293	.000673
tsd_medicare	-.0119291	.0018387	-6.49	0.000	-.0156205	-.0082377
tsd_medicare_miss	-.0214307	.0042983	-4.99	0.000	-.0300598	-.0128016
tsd_depend_1	-.0051894	.0014674	-3.54	0.001	-.0081352	-.0022436
tsd_depend_2	-.0004839	.0016349	-0.30	0.768	-.0037662	.0027984
tsd_depend_miss	-.0124636	.0038094	-3.27	0.002	-.0201112	-.0048159
tsd_vrpr	.0052882	.0033031	1.60	0.116	-.0013429	.0119194
tsd_vrpr_miss	-.0138276	.0030906	-4.47	0.000	-.0200323	-.0076229
pdcgrou2	-.012066	.0022324	-5.40	0.000	-.0165477	-.0075843
pdcgrou3	.0047317	.0013033	3.63	0.001	.0021152	.0073482
pdcgrou4	.0007522	.00171	0.44	0.662	-.0026807	.0041852
pdcgrou5	-.0093015	.0101151	-0.92	0.362	-.0296084	.0110055
cohort2000	-.0007164	.0016074	-0.45	0.658	-.0039434	.0025105
cohort2001	.0034175	.0033967	1.01	0.319	-.0034018	.0102367
cohort2002	.0010071	.0049349	0.20	0.839	-.0089001	.0109144
cohort2003	.0071725	.0069475	1.03	0.307	-.0067751	.0211201
cohort2004	.0192467	.011519	1.67	0.101	-.0038787	.0423721
award_b4_tsd	.0160144	.00737	2.17	0.034	.0012184	.0308103
diaward_tsd	-.0005681	.0001613	-3.52	0.001	-.0008918	-.0002444
epeb4twp_flag	-.0590141	.1190866	-0.50	0.622	-.2980904	.1800621
ldwb4twp_flag	.3839235	.0678993	5.65	0.000	.24761	.520237
ldwb4epe_flag	.3819733	.027197	14.04	0.000	.327373	.4365735
twpb4tsd	.2451866	.0089188	27.49	0.000	.2272814	.2630918
epeb4tsd	.0488676	.0043787	11.16	0.000	.040077	.0576582
ldwb4tsd	-.1633443	.0155337	-10.52	0.000	-.1945294	-.1321592
st_AL	-.0071448	.0052302	-1.37	0.178	-.0176448	.0033553
st_AR	-.0195765	.0031342	-6.25	0.000	-.0258688	-.0132843
st_AZ	-.0058312	.0038646	-1.51	0.138	-.0135898	.0019273
st_CA	.0161464	.003836	4.21	0.000	.0084452	.0238475
st_CO	-.0178725	.0031573	-5.66	0.000	-.0242111	-.011534
st_CT	-.0104736	.0035828	-2.92	0.005	-.0176664	-.0032809
st_DC	.0067433	.0019394	3.48	0.001	.0028497	.0106369
st_DE	-.0009031	.0057829	-0.16	0.877	-.0125128	.0107066
st_FL	-.0136924	.0044429	-3.08	0.003	-.0226119	-.0047729
st_GA	-.0039116	.0045798	-0.85	0.397	-.0131058	.0052827
st_HI	.0109111	.0074746	1.46	0.150	-.0040949	.025917
st_IA	-.0457948	.0053406	-8.57	0.000	-.0565165	-.035073
st_ID	-.0032906	.005892	-0.56	0.579	-.0151193	.0085382
st_IL	-.0199482	.0023727	-8.41	0.000	-.0247117	-.0151847
st_IN	-.014099	.0038114	-3.70	0.001	-.0217507	-.0064473
st_KS	-.0087065	.0034269	-2.54	0.014	-.0155864	-.0018267
st_KY	-.0208002	.0024874	-8.36	0.000	-.0257938	-.0158066
st_LA	-.0061832	.0024991	-2.47	0.017	-.0112005	-.001166
st_MA	.002604	.0038036	0.68	0.497	-.0050321	.0102401
st_MD	.0095965	.0060566	1.58	0.119	-.0025626	.0217557
st_ME	.0090247	.0057387	1.57	0.122	-.0024963	.0205457
st_MI	-.009334	.0012798	-7.29	0.000	-.0119033	-.0067647
st_MN	.0062884	.0057179	1.10	0.277	-.0051908	.0177675
st_MO	-.0177159	.0034856	-5.08	0.000	-.0247136	-.0107182
st_MS	-.0078963	.0023063	-3.42	0.001	-.0125264	-.0032662
st_MT	-.0095477	.0055076	-1.73	0.089	-.0206047	.0015092
st_NC	-.0109333	.0047003	-2.33	0.024	-.0203696	-.001497
st_ND	-.0267003	.0065663	-4.07	0.000	-.0398826	-.0135179
st_NE	-.0040746	.0065552	-0.62	0.537	-.0172346	.0090854
st_NH	-.0004466	.0052113	-0.09	0.932	-.0109087	.0100155
st_NJ	-.0017839	.0030969	-0.58	0.567	-.0080011	.0044333
st_NM	-.0049232	.0027177	-1.81	0.076	-.0103791	.0005328
st_NV	-.0062541	.0037039	-1.69	0.097	-.01369	.0011818

st_NY	-.0109914	.0029277	-3.75	0.000	-.016869	-.0051137
st_OH	-.0054641	.0040201	-1.36	0.180	-.0135348	.0026065
st_OK	.0175664	.0037705	4.66	0.000	.0099969	.0251359
st_OR	-.0173941	.0018217	-9.55	0.000	-.0210514	-.0137368
st_PA	.0027013	.0047099	0.57	0.569	-.0067543	.0121568
st_PR	-.0199742	.0059899	-3.33	0.002	-.0319994	-.007949
st_RI	.0101491	.0049313	2.06	0.045	.0002491	.0200492
st_SC	-.030252	.0023895	-12.66	0.000	-.035049	-.0254549
st_SD	-.0244859	.0065805	-3.72	0.000	-.0376969	-.0112749
st_TN	-.0154965	.0033826	-4.58	0.000	-.0222875	-.0087056
st_TX	.0037449	.0040811	0.92	0.363	-.0044482	.011938
st_UT	-.0038867	.0051858	-0.75	0.457	-.0142976	.0065241
st_VA	-.0054428	.0056861	-0.96	0.343	-.0168581	.0059725
st_VT	-.000994	.0059622	-0.17	0.868	-.0129635	.0109756
st_WA	.0078072	.0039676	1.97	0.055	-.0001581	.0157724
st_WI	-.0189595	.0042143	-4.50	0.000	-.0274202	-.0104989
st_WV	-.0033697	.0049608	-0.68	0.500	-.013329	.0065896
st_WY	-.0164573	.0064938	-2.53	0.014	-.0294941	-.0034205
tsd_unemp_mean	.0002618	.0015158	0.17	0.864	-.0027814	.0033049
tsd_unemp_cng	.0013853	.0014882	0.93	0.356	-.0016023	.0043729
pial	-7.08e-06	5.59e-06	-1.27	0.211	-.0000183	4.14e-06
pia_miss	-.0205202	.004692	-4.37	0.000	-.0299398	-.0111005
ime1	5.85e-06	1.76e-06	3.32	0.002	2.32e-06	9.38e-06
ime_miss	-.011406	.002498	-4.57	0.000	-.0164209	-.0063911
phase2_st	.0063198	.0039877	1.58	0.119	-.0016859	.0143254
_cons	.1180204	.015952	7.40	0.000	.0859954	.1500453

(1) motoimm = 0

F(1, 51) = 0.53
 Prob > F = 0.4683

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(49, 51) = .
 Prob > F = .
 R-squared = 0.1095
 Root MSE = .23361

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll48	Robust					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0001183	.0001936	-0.61	0.544	-.0005069	.0002703
int_motoimm	-.0002364	.0003506	-0.67	0.503	-.0009403	.0004675
male	.0088572	.0012398	7.14	0.000	.0063681	.0113463
gendermiss_flag	-.0646255	.015049	-4.29	0.000	-.0948378	-.0344133
tsd_age	-.0023223	.0002074	-11.20	0.000	-.0027386	-.001906
doage2	-.0002728	.0001447	-1.88	0.065	-.0005634	.0000178
doage2miss_flag	-.1122906	.0197545	-5.68	0.000	-.1519494	-.0726318
race_a	-.0014657	.0039757	-0.37	0.714	-.0094471	.0065158
race_b	.0216132	.0020871	10.36	0.000	.0174231	.0258033
race_h	.0072072	.0032846	2.19	0.033	.000613	.0138013
race_i	.0122174	.0070863	1.72	0.091	-.0020089	.0264438
race_o	.0171849	.006162	2.79	0.007	.0048142	.0295557
race_mis	.0022257	.0053088	0.42	0.677	-.0084322	.0128835
tsd_edu_hs	.0072167	.0015407	4.68	0.000	.0041237	.0103097

tsd_edu_mrhs	.0285759	.0017843	16.02	0.000	.0249939	.032158
tsd_edu_mis	.0150624	.0014804	10.17	0.000	.0120904	.0180344
tsd_mie_exp	.0047564	.004005	1.19	0.240	-.003284	.0127968
tsd_mie_mis	-.0055395	.0018108	-3.06	0.004	-.0091747	-.0019042
tsd_mie_psbl	-.0029134	.0013865	-2.10	0.041	-.005697	-.0001298
tsd_medicare	-.0134969	.0019145	-7.05	0.000	-.0173404	-.0096533
tsd_medicare_miss	-.0287439	.0058015	-4.95	0.000	-.040391	-.0170969
tsd_depend_1	-.0047793	.0016748	-2.85	0.006	-.0081416	-.001417
tsd_depend_2	.0020868	.001879	1.11	0.272	-.0016855	.0058591
tsd_depend_miss	-.02031	.0047355	-4.29	0.000	-.0298169	-.0108031
tsd_vrpr	-.0118929	.0038172	-3.12	0.003	-.0195563	-.0042295
tsd_vrpr_miss	-.038328	.0046966	-8.16	0.000	-.0477569	-.0288991
pdcgrou2	-.0183046	.0026021	-7.03	0.000	-.0235285	-.0130807
pdcgrou3	.0034073	.0016863	2.02	0.049	.0000219	.0067927
pdcgrou4	-.002027	.0020772	-0.98	0.334	-.006197	.0021431
pdcgrou5	-.0216034	.0100904	-2.14	0.037	-.0418607	-.001346
cohort2000	-.0027459	.0017234	-1.59	0.117	-.0062057	.0007139
cohort2001	-.000882	.0032062	-0.28	0.784	-.0073188	.0055548
cohort2002	-.0053225	.0048323	-1.10	0.276	-.0150237	.0043786
cohort2003	.002215	.0070268	0.32	0.754	-.0118918	.0163218
cohort2004	.021269	.0135363	1.57	0.122	-.0059062	.0484443
award_b4_tsd	.0194445	.0077846	2.50	0.016	.0038162	.0350727
diaward_tsd	-.0007586	.0001695	-4.48	0.000	-.001099	-.0004183
epeb4twp_flag	-.0807865	.1195654	-0.68	0.502	-.3208242	.1592511
ldwb4twp_flag	.4140443	.0744449	5.56	0.000	.26459	.5634986
ldwb4epe_flag	.4828006	.0283598	17.02	0.000	.4258661	.5397352
twpb4tsd	.2555795	.0083218	30.71	0.000	.2388728	.2722862
epeb4tsd	.0403706	.0048313	8.36	0.000	.0306713	.0500699
ldwb4tsd	-.1823329	.0154987	-11.76	0.000	-.2134478	-.151218
st_AL	-.0258968	.0064525	-4.01	0.000	-.0388508	-.0129428
st_AR	-.0337565	.0039435	-8.56	0.000	-.0416734	-.0258397
st_AZ	-.0079596	.004893	-1.63	0.110	-.0177827	.0018635
st_CA	.0050163	.0046284	1.08	0.284	-.0042756	.0143082
st_CO	-.0351899	.0038724	-9.09	0.000	-.0429641	-.0274157
st_CT	-.0266847	.0047085	-5.67	0.000	-.0361375	-.0172319
st_DC	.0003104	.002571	0.12	0.904	-.0048511	.0054719
st_DE	-.0193487	.0073207	-2.64	0.011	-.0340457	-.0046518
st_FL	-.0175146	.0056797	-3.08	0.003	-.028917	-.0061122
st_GA	-.0178696	.0060992	-2.93	0.005	-.0301142	-.0056251
st_HI	.0002359	.0088928	0.03	0.979	-.0176171	.018089
st_IA	-.0411833	.0065401	-6.30	0.000	-.0543131	-.0280536
st_ID	-.0137256	.0073101	-1.88	0.066	-.0284012	.0009501
st_IL	-.0352224	.0029011	-12.14	0.000	-.0410466	-.0293982
st_IN	-.0316717	.0049331	-6.42	0.000	-.0415753	-.021768
st_KS	-.020045	.0043889	-4.57	0.000	-.028856	-.011234
st_KY	-.0375141	.0031989	-11.73	0.000	-.0439363	-.031092
st_LA	-.0195777	.0033432	-5.86	0.000	-.0262894	-.012866
st_MA	-.0037187	.00483	-0.77	0.445	-.0134152	.0059778
st_MD	-.0039332	.007464	-0.53	0.601	-.0189178	.0110514
st_ME	-.0111446	.006988	-1.59	0.117	-.0251737	.0028844
st_MI	-.0246928	.0015567	-15.86	0.000	-.0278181	-.0215675
st_MN	-.0082563	.0069948	-1.18	0.243	-.0222989	.0057863
st_MO	-.0318751	.0044718	-7.13	0.000	-.0408527	-.0228976
st_MS	-.0234219	.0032128	-7.29	0.000	-.0298718	-.016972
st_MT	-.0338413	.0070658	-4.79	0.000	-.0480265	-.0196561
st_NC	-.0319196	.0057964	-5.51	0.000	-.0435563	-.0202829
st_ND	-.0361218	.0084092	-4.30	0.000	-.0530041	-.0192396
st_NE	-.0180419	.0080061	-2.25	0.029	-.0341148	-.0019691
st_NH	-.0041658	.0068415	-0.61	0.545	-.0179007	.0095691
st_NJ	-.0168477	.0041949	-4.02	0.000	-.0252694	-.0084261
st_NM	-.0163375	.0035255	-4.63	0.000	-.0234152	-.0092597
st_NV	-.0184843	.0050265	-3.68	0.001	-.0285754	-.0083932
st_NY	-.0172246	.0036944	-4.66	0.000	-.0246414	-.0098078

st_OH	-.0228414	.0047791	-4.78	0.000	-.0324358	-.013247
st_OK	-.0025074	.0046189	-0.54	0.590	-.0117802	.0067655
st_OR	-.0226473	.0021669	-10.45	0.000	-.0269976	-.018297
st_PA	-.0114024	.0057076	-2.00	0.051	-.0228608	.000056
st_PR	-.0463161	.0070975	-6.53	0.000	-.060565	-.0320672
st_RI	-.0041795	.0059923	-0.70	0.489	-.0162095	.0078505
st_SC	-.0521794	.0028621	-18.23	0.000	-.0579253	-.0464335
st_SD	-.0430227	.0083482	-5.15	0.000	-.0597825	-.0262629
st_TN	-.0334429	.0042461	-7.88	0.000	-.0419673	-.0249184
st_TX	-.0110597	.0049549	-2.23	0.030	-.021007	-.0011123
st_UT	-.0155325	.0063334	-2.45	0.018	-.0282475	-.0028176
st_VA	-.0202895	.0074299	-2.73	0.009	-.0352055	-.0053734
st_VT	-.0096602	.0075252	-1.28	0.205	-.0247677	.0054474
st_WA	-.0057231	.0048309	-1.18	0.242	-.0154215	.0039753
st_WI	-.0390574	.0053133	-7.35	0.000	-.0497243	-.0283905
st_WV	-.0208508	.0060443	-3.45	0.001	-.0329852	-.0087165
st_WY	-.0142479	.0080191	-1.78	0.082	-.0303469	.001851
tsd_unemp_mean	.0007489	.0019197	0.39	0.698	-.003105	.0046029
tsd_unemp_cng	.0011012	.0020803	0.53	0.599	-.0030752	.0052777
pial	-5.84e-06	5.74e-06	-1.02	0.314	-.0000174	5.68e-06
pia_miss	-.0175562	.0048474	-3.62	0.001	-.0272877	-.0078246
ime1	5.22e-06	1.66e-06	3.15	0.003	1.89e-06	8.54e-06
ime_miss	-.0181073	.002425	-7.47	0.000	-.0229758	-.0132389
phase2_st	.0029956	.0048795	0.61	0.542	-.0068005	.0127916
_cons	.2020311	.020504	9.85	0.000	.1608676	.2431946

(1) motoimm = 0

F(1, 51) = 0.37
 Prob > F = 0.5437

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(49, 51) = .
 Prob > F = .
 R-squared = 0.1210
 Root MSE = .14494

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.000024	.00019	0.13	0.900	-.0003573	.0004054
int_motoimm	.0002092	.0003094	0.68	0.502	-.000412	.0008304
male	.0020962	.0007991	2.62	0.011	.000492	.0037005
gendermiss_flag	-.0134736	.0036362	-3.71	0.001	-.0207735	-.0061737
tsd_age	-.0003733	.0000915	-4.08	0.000	-.0005571	-.0001896
doage2	-.0002532	.0000854	-2.97	0.005	-.0004246	-.0000818
doage2miss_flag	-.054407	.0264969	-2.05	0.045	-.1076018	-.0012122
race_a	-.0003372	.0029004	-0.12	0.908	-.00616	.0054856
race_b	.0038245	.0011042	3.46	0.001	.0016078	.0060413
race_h	-7.07e-06	.0017315	-0.00	0.997	-.0034831	.003469
race_i	-.0046382	.0031853	-1.46	0.151	-.011033	.0017565
race_o	.0061608	.0039303	1.57	0.123	-.0017296	.0140512
race_mis	.0001695	.0023001	0.07	0.942	-.0044481	.0047871
tsd_edu_hs	.0025655	.0011415	2.25	0.029	.0002739	.0048571
tsd_edu_mrhs	.006811	.0012817	5.31	0.000	.0042379	.0093842

tsd_edu_mis	.0065691	.0012654	5.19	0.000	.0040287	.0091095
tsd_mie_exp	-.0017141	.0023685	-0.72	0.473	-.0064691	.0030409
tsd_mie_mis	-.006891	.0013731	-5.02	0.000	-.0096477	-.0041344
tsd_mie_psbl	-.0059184	.0010899	-5.43	0.000	-.0081064	-.0037303
tsd_medicare	-.0078607	.0011256	-6.98	0.000	-.0101205	-.005601
tsd_medicare_mis	-.00974	.0033039	-2.95	0.005	-.0163728	-.0031071
tsd_depend_1	-.003337	.0010183	-3.28	0.002	-.0053812	-.0012927
tsd_depend_2	-.0016623	.000755	-2.20	0.032	-.0031779	-.0001466
tsd_depend_mis	-.0084005	.0026698	-3.15	0.003	-.0137603	-.0030407
tsd_vrpr	.0141867	.0017119	8.29	0.000	.0107499	.0176234
tsd_vrpr_mis	.0030101	.0018962	1.59	0.119	-.0007966	.0068169
pdcgrou2	.0015091	.0011781	1.28	0.206	-.0008561	.0038743
pdcgrou3	.0036997	.0012241	3.02	0.004	.0012423	.0061571
pdcgrou4	.0030577	.0008551	3.58	0.001	.0013411	.0047743
pdcgrou5	-.0079355	.00358	-2.22	0.031	-.0151226	-.0007484
cohort2000	-.0028659	.0011754	-2.44	0.018	-.0052256	-.0005061
cohort2001	-.00224	.0019479	-1.15	0.256	-.0061506	.0016706
cohort2002	-.0009445	.003225	-0.29	0.771	-.007419	.0055299
cohort2003	.0040528	.0037777	1.07	0.288	-.0035313	.0116368
cohort2004	.0016498	.0053263	0.31	0.758	-.0090431	.0123427
award_b4_tsd	.0005631	.0033967	0.17	0.869	-.0062561	.0073824
diaward_tsd	-.000398	.0000917	-4.34	0.000	-.0005822	-.0002139
epeb4twp_flag	.0235225	.0257374	0.91	0.365	-.0281476	.0751925
ldwb4twp_flag	.0144345	.0122761	1.18	0.245	-.0102108	.0390798
ldwb4epe_flag	.0965583	.0202211	4.78	0.000	.0559627	.1371539
twpb4tsd	.2072102	.0065445	31.66	0.000	.1940715	.2203488
epeb4tsd	-.0828707	.0081526	-10.16	0.000	-.0992378	-.0665036
ldwb4tsd	-.0479232	.0033804	-14.18	0.000	-.0547096	-.0411367
st_AL	-.0024195	.0052268	-0.46	0.645	-.0129127	.0080737
st_AR	-.0143908	.0035505	-4.05	0.000	-.0215186	-.0072629
st_AZ	-.0075679	.0041997	-1.80	0.077	-.0159991	.0008634
st_CA	.005686	.0034396	1.65	0.104	-.0012194	.0125913
st_CO	-.0137675	.00349	-3.94	0.000	-.020774	-.0067611
st_CT	-.0022122	.0041503	-0.53	0.596	-.0105442	.0061198
st_DC	.0089514	.0015395	5.81	0.000	.0058607	.0120421
st_DE	-.0294493	.0068007	-4.33	0.000	-.0431023	-.0157963
st_FL	-.0089309	.0049677	-1.80	0.078	-.0189041	.0010422
st_GA	-.0105913	.0052646	-2.01	0.050	-.0211605	-.0000222
st_HI	-.007376	.009198	-0.80	0.426	-.0258417	.0110897
st_IA	-.0294196	.0060025	-4.90	0.000	-.0414701	-.017369
st_ID	-.0015501	.0060489	-0.26	0.799	-.0136936	.0105935
st_IL	-.0139178	.0023214	-6.00	0.000	-.0185782	-.0092574
st_IN	-.0098078	.0044428	-2.21	0.032	-.0187271	-.0008886
st_KS	-.0043114	.0040404	-1.07	0.291	-.0124228	.0037999
st_KY	-.0163827	.0026556	-6.17	0.000	-.021714	-.0110514
st_LA	-.0053312	.0026187	-2.04	0.047	-.0105884	-.000074
st_MA	-.0069941	.0039869	-1.75	0.085	-.0149982	.00101
st_MD	.0063529	.0066467	0.96	0.344	-.0069909	.0196967
st_ME	.0046672	.0060807	0.77	0.446	-.0075403	.0168746
st_MI	-.0002482	.00127	-0.20	0.846	-.0027979	.0023015
st_MN	.0054941	.006019	0.91	0.366	-.0065897	.0175778
st_MO	-.0090715	.0039622	-2.29	0.026	-.017026	-.0011171
st_MS	-.0056775	.0021429	-2.65	0.011	-.0099795	-.0013754
st_MT	-.0056781	.0063736	-0.89	0.377	-.0184738	.0071175
st_NC	-.0038409	.0043844	-0.88	0.385	-.012643	.0049612
st_ND	-.0034723	.007675	-0.45	0.653	-.0188805	.0119358
st_NE	-.00632	.0074051	-0.85	0.397	-.0211863	.0085464
st_NH	.0024353	.0059247	0.41	0.683	-.009459	.0143297
st_NJ	-.0017013	.0033676	-0.51	0.616	-.008462	.0050593
st_NM	-.0040413	.0034705	-1.16	0.250	-.0110086	.0029259
st_NV	-.007372	.0042214	-1.75	0.087	-.0158469	.0011028
st_NY	-.0107672	.0029007	-3.71	0.001	-.0165906	-.0049438
st_OH	.0015813	.0036007	0.44	0.662	-.0056473	.00881

st_OK	-.0160778	.0042762	-3.76	0.000	-.0246627	-.0074929
st_OR	-.0214001	.0014676	-14.58	0.000	-.0243465	-.0184537
st_PA	.0028195	.0046699	0.60	0.549	-.0065557	.0121947
st_PR	.0048943	.0065806	0.74	0.460	-.0083168	.0181053
st_RI	.0110508	.0048888	2.26	0.028	.0012361	.0208655
st_SC	-.0025894	.0019444	-1.33	0.189	-.0064929	.0013141
st_SD	-.0138764	.0078407	-1.77	0.083	-.0296173	.0018646
st_TN	-.008456	.0038484	-2.20	0.033	-.016182	-.00073
st_TX	.0022523	.003751	0.60	0.551	-.0052781	.0097828
st_UT	.0025421	.0053194	0.48	0.635	-.008137	.0132212
st_VA	-.0095531	.0065961	-1.45	0.154	-.0227953	.0036891
st_VT	-.0347771	.0066566	-5.22	0.000	-.0481409	-.0214134
st_WA	.0069794	.003326	2.10	0.041	.0003022	.0136565
st_WI	-.0124695	.0043929	-2.84	0.006	-.0212886	-.0036504
st_WV	-.005065	.0049531	-1.02	0.311	-.0150088	.0048788
st_WY	.0068361	.0073226	0.93	0.355	-.0078647	.0215368
tsd_unemp_mean	-.0021824	.0018952	-1.15	0.255	-.0059872	.0016225
tsd_unemp_cng	.0013564	.0014383	0.94	0.350	-.0015311	.0042438
pial	-.000011	3.48e-06	-3.16	0.003	-.000018	-4.00e-06
pia_miss	-.0159628	.003275	-4.87	0.000	-.0225376	-.0093879
ime1	3.86e-06	1.12e-06	3.44	0.001	1.60e-06	6.11e-06
ime_miss	-.0011579	.0014968	-0.77	0.443	-.0041628	.001847
phase2_st	.0037886	.0035922	1.05	0.297	-.0034231	.0110003
_cons	.0606341	.0165304	3.67	0.001	.027448	.0938202

(1) motoimm = 0

F(1, 51) = 0.02
 Prob > F = 0.8998

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(49, 51) = .
 Prob > F = .
 R-squared = 0.1244
 Root MSE = .20009

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0002075	.0002112	-0.98	0.331	-.0006316 .0002165
int_motoimm	.0003108	.0003658	0.85	0.399	-.0004236 .0010453
male	.0025547	.0011233	2.27	0.027	.0002996 .0048098
gendermiss_flag	-.0393088	.0116871	-3.36	0.001	-.0627716 -.015846
tsd_age	-.001195	.0001133	-10.55	0.000	-.0014223 -.0009676
doage2	-.0002496	.0001267	-1.97	0.054	-.0005039 4.71e-06
doage2miss_flag	-.0729162	.0196286	-3.71	0.001	-.1123223 -.0335102
race_a	.0043225	.0036089	1.20	0.237	-.0029227 .0115676
race_b	.0106275	.0016021	6.63	0.000	.0074111 .0138438
race_h	-.0005468	.0014493	-0.38	0.708	-.0034565 .0023628
race_i	-.0058606	.004726	-1.24	0.221	-.0153485 .0036272
race_o	.0071622	.0059626	1.20	0.235	-.0048083 .0191327
race_mis	.0001736	.0032426	0.05	0.958	-.0063362 .0066834
tsd_edu_hs	.0032329	.0011034	2.93	0.005	.0010178 .005448
tsd_edu_mrhs	.0158999	.0015934	9.98	0.000	.012701 .0190988
tsd_edu_mis	.0113582	.0013379	8.49	0.000	.0086723 .014044

tsd_mie_exp	-.0040557	.0031099	-1.30	0.198	-.0102991	.0021878
tsd_mie_mis	-.0109564	.0017647	-6.21	0.000	-.0144991	-.0074137
tsd_mie_psbl	-.0083369	.0011926	-6.99	0.000	-.0107312	-.0059426
tsd_medicare	-.0128039	.0016912	-7.57	0.000	-.0161991	-.0094087
tsd_medicare_miss	-.0213603	.0054565	-3.91	0.000	-.0323146	-.010406
tsd_depend_1	-.0054103	.0014151	-3.82	0.000	-.0082512	-.0025693
tsd_depend_2	-.003175	.0011063	-2.87	0.006	-.0053959	-.0009541
tsd_depend_miss	-.0202047	.0045509	-4.44	0.000	-.0293409	-.0110684
tsd_vrpr	.0080507	.0033499	2.40	0.020	.0013255	.0147759
tsd_vrpr_miss	-.020771	.0034459	-6.03	0.000	-.027689	-.0138529
pdcgrou2	-.0029875	.0017566	-1.70	0.095	-.0065139	.0005389
pdcgrou3	.0023833	.0014777	1.61	0.113	-.0005832	.0053498
pdcgrou4	.0003811	.0012607	0.30	0.764	-.0021498	.002912
pdcgrou5	-.0105413	.0082684	-1.27	0.208	-.0271407	.0060582
cohort2000	-.007133	.0016462	-4.33	0.000	-.0104378	-.0038281
cohort2001	-.00977	.0030605	-3.19	0.002	-.0159142	-.0036258
cohort2002	-.0091376	.0044658	-2.05	0.046	-.018103	-.0001722
cohort2003	-.0010569	.0053977	-0.20	0.846	-.0118933	.0097794
cohort2004	-.0012039	.0094699	-0.13	0.899	-.0202156	.0178077
award_b4_tsd	.0112487	.0061891	1.82	0.075	-.0011764	.0236739
diaward_tsd	-.0008037	.0001501	-5.35	0.000	-.0011051	-.0005023
epeb4twp_flag	.0343282	.0349215	0.98	0.330	-.0357796	.104436
ldwb4twp_flag	.0115114	.0173104	0.66	0.509	-.0232408	.0462635
ldwb4epe_flag	.242877	.0268738	9.04	0.000	.1889256	.2968285
twpb4tsd	.2731206	.0065175	41.91	0.000	.2600361	.2862051
epeb4tsd	-.127992	.0096153	-13.31	0.000	-.1472955	-.1086885
ldwb4tsd	-.0750608	.0042448	-17.68	0.000	-.0835826	-.066539
st_AL	.0071442	.0062999	1.13	0.262	-.0055034	.0197918
st_AR	-.0126816	.0042253	-3.00	0.004	-.0211642	-.004199
st_AZ	-.00622	.0053388	-1.17	0.249	-.016938	.0044981
st_CA	.0188945	.0041937	4.51	0.000	.0104753	.0273136
st_CO	-.0200683	.0043467	-4.62	0.000	-.0287946	-.011342
st_CT	.014105	.0051022	2.76	0.008	.003862	.0243481
st_DC	.0257016	.001606	16.00	0.000	.0224774	.0289258
st_DE	-.0106845	.0084996	-1.26	0.214	-.0277481	.006379
st_FL	-.0045912	.0062438	-0.74	0.466	-.0171262	.0079438
st_GA	-.0065048	.0063174	-1.03	0.308	-.0191874	.0061779
st_HI	.0163338	.0104959	1.56	0.126	-.0047376	.0374052
st_IA	-.0061357	.0074886	-0.82	0.416	-.0211697	.0088983
st_ID	.0129775	.0073148	1.77	0.082	-.0017075	.0276625
st_IL	-.005987	.0030839	-1.94	0.058	-.0121781	.0002042
st_IN	-.0032351	.0054514	-0.59	0.556	-.0141793	.007709
st_KS	.0072072	.0048638	1.48	0.145	-.0025573	.0169717
st_KY	-.0172447	.0032595	-5.29	0.000	-.0237885	-.0107009
st_LA	-.0006957	.003067	-0.23	0.821	-.0068529	.0054615
st_MA	.0085031	.0052151	1.63	0.109	-.0019667	.0189729
st_MD	.0241134	.0079471	3.03	0.004	.0081588	.0400679
st_ME	.024414	.0073722	3.31	0.002	.0096136	.0392143
st_MI	.0024844	.0013732	1.81	0.076	-.0002724	.0052412
st_MN	.0308074	.0073194	4.21	0.000	.016113	.0455018
st_MO	-.0074087	.0048261	-1.54	0.131	-.0170975	.0022801
st_MS	-.0057538	.0026054	-2.21	0.032	-.0109844	-.0005232
st_MT	-.0033645	.0079747	-0.42	0.675	-.0193744	.0126454
st_NC	.002581	.0053516	0.48	0.632	-.0081628	.0133247
st_ND	.0048579	.0095353	0.51	0.613	-.014285	.0240009
st_NE	.0095382	.0089007	1.07	0.289	-.0083307	.027407
st_NH	.0142862	.0075397	1.89	0.064	-.0008504	.0294228
st_NJ	.002837	.004165	0.68	0.499	-.0055247	.0111987
st_NM	.0054358	.0041554	1.31	0.197	-.0029064	.013778
st_NV	-.0014617	.0052997	-0.28	0.784	-.0121013	.009178
st_NY	-.0028343	.0037812	-0.75	0.457	-.0104255	.0047568
st_OH	.0117164	.0044645	2.62	0.011	.0027536	.0206792
st_OK	.0000125	.0052797	0.00	0.998	-.010587	.010612

st_OR	-.0273588	.0020771	-13.17	0.000	-.0315287	-.0231888
st_PA	.0151628	.0056475	2.68	0.010	.0038249	.0265007
st_PR	-.0039712	.0090483	-0.44	0.663	-.0221365	.014194
st_RI	.0374023	.0059305	6.31	0.000	.0254964	.0493082
st_SC	-.0112828	.0026493	-4.26	0.000	-.0166016	-.005964
st_SD	.0044035	.0097724	0.45	0.654	-.0152153	.0240224
st_TN	-.0056001	.0046541	-1.20	0.234	-.0149437	.0037435
st_TX	.0124832	.0045271	2.76	0.008	.0033946	.0215717
st_UT	.0131481	.0063803	2.06	0.044	.0003392	.025957
st_VA	.0011481	.0081226	0.14	0.888	-.0151587	.0174549
st_VT	-.0497852	.0084834	-5.87	0.000	-.0668162	-.0327541
st_WA	.020572	.0041191	4.99	0.000	.0123025	.0288415
st_WI	.0103259	.0056306	1.83	0.073	-.0009781	.0216298
st_WV	.0104328	.0059997	1.74	0.088	-.001612	.0224777
st_WY	.0213036	.0088308	2.41	0.019	.0035751	.0390321
tsd_unemp_mean	-.0001536	.0023714	-0.06	0.949	-.0049144	.0046072
tsd_unemp_cng	.0012669	.0012458	1.02	0.314	-.0012341	.003768
pial	-6.68e-06	4.57e-06	-1.46	0.150	-.0000159	2.49e-06
pia_miss	-.0104677	.0050147	-2.09	0.042	-.0205352	-.0004002
ime1	3.66e-06	1.35e-06	2.71	0.009	9.51e-07	6.36e-06
ime_miss	-.0126155	.0022564	-5.59	0.000	-.0171453	-.0080857
phase2_st	.0036288	.0048661	0.75	0.459	-.0061403	.0133979
_cons	.1293774	.0219478	5.89	0.000	.0853154	.1734395

(1) motoimm = 0

F(1, 51) = 0.97
 Prob > F = 0.3305

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(49, 51) = .
 Prob > F = .
 R-squared = 0.1230
 Root MSE = .23586

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0003417	.0002341	-1.46	0.151	-.0008117 .0001284
int_motoimm	.0004767	.0004466	1.07	0.291	-.0004198 .0013732
male	.0035164	.0015522	2.27	0.028	.0004002 .0066325
gendermiss_flag	-.0648355	.020213	-3.21	0.002	-.1054147 -.0242562
tsd_age	-.0020672	.0001484	-13.93	0.000	-.0023651 -.0017693
doage2	-.000245	.0001414	-1.73	0.089	-.0005289 .0000388
doage2miss_flag	-.0899344	.0053686	-16.75	0.000	-.1007123 -.0791565
race_a	.002465	.0057404	0.43	0.669	-.0090595 .0139894
race_b	.0164473	.0017885	9.20	0.000	.0128569 .0200378
race_h	-.0020152	.0015643	-1.29	0.203	-.0051556 .0011252
race_i	.0016662	.0069532	0.24	0.812	-.012293 .0156254
race_o	.0035338	.0063707	0.55	0.582	-.0092559 .0163235
race_mis	-.0016652	.0044134	-0.38	0.708	-.0105254 .007195
tsd_edu_hs	.0059463	.0012539	4.74	0.000	.003429 .0084635
tsd_edu_mrhs	.022907	.0016432	13.94	0.000	.0196082 .0262059
tsd_edu_mis	.0140494	.001571	8.94	0.000	.0108955 .0172033
tsd_mie_exp	-.0037546	.0039709	-0.95	0.349	-.0117265 .0042173

tsd_mie_mis	-.0125483	.0023837	-5.26	0.000	-.0173338	-.0077627
tsd_mie_psbl	-.0102117	.0016214	-6.30	0.000	-.0134667	-.0069567
tsd_medicare	-.0180093	.0020748	-8.68	0.000	-.0221746	-.0138441
tsd_medicare_miss	-.027107	.0072125	-3.76	0.000	-.0415866	-.0126273
tsd_depend_1	-.0068609	.0017819	-3.85	0.000	-.0104383	-.0032835
tsd_depend_2	-.0026154	.0012911	-2.03	0.048	-.0052073	-.0000234
tsd_depend_miss	-.0265718	.0054889	-4.84	0.000	-.0375912	-.0155524
tsd_vrpr	-.013208	.0047321	-2.79	0.007	-.0227081	-.0037078
tsd_vrpr_miss	-.0559817	.0050428	-11.10	0.000	-.0661056	-.0458578
pdcgrou2	-.0096203	.002455	-3.92	0.000	-.0145489	-.0046917
pdcgrou3	.0000567	.0019197	0.03	0.977	-.0037973	.0039106
pdcgrou4	-.0038354	.0017252	-2.22	0.031	-.0072988	-.000372
pdcgrou5	-.0133629	.0121165	-1.10	0.275	-.0376877	.0109619
cohort2000	-.0107679	.0020378	-5.28	0.000	-.014859	-.0066769
cohort2001	-.0127728	.0035968	-3.55	0.001	-.0199936	-.0055521
cohort2002	-.0132687	.0054167	-2.45	0.018	-.0241432	-.0023943
cohort2003	-.0054212	.0058153	-0.93	0.356	-.0170959	.0062535
cohort2004	.0171632	.0115659	1.48	0.144	-.0060564	.0403828
award_b4_tsd	.0201839	.0068306	2.95	0.005	.006471	.0338969
diaward_tsd	-.0009427	.0001717	-5.49	0.000	-.0012875	-.0005979
epeb4twp_flag	.0435413	.0392812	1.11	0.273	-.0353189	.1224016
ldwb4twp_flag	.0031175	.0206021	0.15	0.880	-.0382429	.0444779
ldwb4epe_flag	.3682608	.0240912	15.29	0.000	.3198958	.4166259
twpb4tsd	.2998819	.0064549	46.46	0.000	.2869231	.3128407
epeb4tsd	-.1604484	.009216	-17.41	0.000	-.1789503	-.1419465
ldwb4tsd	-.0917207	.0044913	-20.42	0.000	-.1007373	-.0827041
st_AL	-.0200545	.0060545	-3.31	0.002	-.0322093	-.0078996
st_AR	-.0311947	.0039844	-7.83	0.000	-.0391937	-.0231956
st_AZ	-.0314352	.0049336	-6.37	0.000	-.0413398	-.0215305
st_CA	.0011939	.0040295	0.30	0.768	-.0068957	.0092835
st_CO	-.0320868	.004043	-7.94	0.000	-.0402035	-.02397
st_CT	.0002534	.0047512	0.05	0.958	-.0092851	.0097918
st_DC	.0031133	.001931	1.61	0.113	-.0007635	.00699
st_DE	-.0535588	.0078705	-6.80	0.000	-.0693595	-.0377581
st_FL	-.0246566	.0057699	-4.27	0.000	-.0362402	-.013073
st_GA	-.0242392	.0057559	-4.21	0.000	-.0357947	-.0126837
st_HI	-.0052703	.0094129	-0.56	0.578	-.0241676	.0136269
st_IA	.0033312	.0070294	0.47	0.638	-.0107809	.0174433
st_ID	-.009593	.0069195	-1.39	0.172	-.0234845	.0042986
st_IL	-.0142979	.0029021	-4.93	0.000	-.020124	-.0084718
st_IN	-.0214794	.0051291	-4.19	0.000	-.0317766	-.0111823
st_KS	-.0086526	.004612	-1.88	0.066	-.0179116	.0006063
st_KY	-.0412605	.0031902	-12.93	0.000	-.047665	-.034856
st_LA	-.0190253	.0029266	-6.50	0.000	-.0249006	-.0131499
st_MA	.0036013	.0049662	0.73	0.472	-.0063687	.0135713
st_MD	.0012528	.0074746	0.17	0.868	-.013753	.0162586
st_ME	.0055314	.0070759	0.78	0.438	-.008674	.0197368
st_MI	-.0160996	.0014912	-10.80	0.000	-.0190933	-.013106
st_MN	.0102214	.0069946	1.46	0.150	-.0038208	.0242636
st_MO	-.0282425	.0045791	-6.17	0.000	-.0374354	-.0190496
st_MS	-.0268867	.002625	-10.24	0.000	-.0321567	-.0216168
st_MT	-.0238231	.0073839	-3.23	0.002	-.0386468	-.0089994
st_NC	-.0217916	.0051763	-4.21	0.000	-.0321836	-.0113997
st_ND	-.0175308	.0088673	-1.98	0.053	-.0353327	.000271
st_NE	-.0139947	.0084531	-1.66	0.104	-.030965	.0029755
st_NH	.0124723	.0069849	1.79	0.080	-.0015505	.0264952
st_NJ	-.0136257	.0039001	-3.49	0.001	-.0214555	-.0057959
st_NM	-.0106512	.0039173	-2.72	0.009	-.0185155	-.0027869
st_NV	-.0145737	.0049004	-2.97	0.004	-.0244117	-.0047357
st_NY	-.0120291	.003531	-3.41	0.001	-.0191178	-.0049404
st_OH	-.0138381	.0045003	-3.07	0.003	-.0228728	-.0048033
st_OK	-.0036608	.0048473	-0.76	0.454	-.0133922	.0060707
st_OR	-.0283285	.0020149	-14.06	0.000	-.0323736	-.0242833

st_PA	-.0081031	.0054679	-1.48	0.145	-.0190804	.0028742
st_PR	-.0306394	.008734	-3.51	0.001	-.0481736	-.0131052
st_RI	.0195822	.0056124	3.49	0.001	.0083148	.0308496
st_SC	-.0388771	.0026591	-14.62	0.000	-.0442154	-.0335388
st_SD	-.0273124	.0090778	-3.01	0.004	-.0455369	-.0090879
st_TN	-.0289936	.0044477	-6.52	0.000	-.0379227	-.0200645
st_TX	-.0117445	.0044477	-2.64	0.011	-.0206736	-.0028154
st_UT	-.0103328	.0061492	-1.68	0.099	-.0226779	.0020123
st_VA	-.0160816	.0075528	-2.13	0.038	-.0312445	-.0009186
st_VT	-.0530063	.0080019	-6.62	0.000	-.0690708	-.0369417
st_WA	.0005507	.0041167	0.13	0.894	-.007714	.0088154
st_WI	-.016998	.0052788	-3.22	0.002	-.0275957	-.0064003
st_WV	-.0143393	.0058253	-2.46	0.017	-.0260341	-.0026446
st_WY	-.0123971	.0083817	-1.48	0.145	-.029224	.0044298
tsd_unemp_mean	-.0007495	.0021882	-0.34	0.733	-.0051425	.0036435
tsd_unemp_cng	.0016762	.0011973	1.40	0.168	-.0007275	.00408
pial	1.88e-06	6.42e-06	0.29	0.771	-.000011	.0000148
pia_miss	-.004931	.0063682	-0.77	0.442	-.0177157	.0078536
ime1	5.81e-07	1.55e-06	0.37	0.710	-2.54e-06	3.70e-06
ime_miss	-.0263221	.0026413	-9.97	0.000	-.0316247	-.0210194
phase2_st	-.003135	.0053271	-0.59	0.559	-.0138296	.0075596
_cons	.2485406	.0226132	10.99	0.000	.2031427	.2939385

(1) motoimm = 0

F(1, 51) = 2.13
 Prob > F = 0.1506

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(49, 51) = .
 Prob > F = .
 R-squared = 0.1192
 Root MSE = .25724

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0003849	.0002559	-1.50	0.139	-.0008988 .0001289
int_motoimm	.0004037	.0005342	0.76	0.453	-.0006688 .0014761
male	.003297	.0015129	2.18	0.034	.0002596 .0063343
gendermiss_flag	-.0826311	.0268116	-3.08	0.003	-.1364576 -.0288046
tsd_age	-.0026777	.000193	-13.88	0.000	-.0030651 -.0022903
doage2	-.000181	.0001718	-1.05	0.297	-.0005259 .000164
doage2miss_flag	-.0928935	.0145498	-6.38	0.000	-.1221035 -.0636835
race_a	.0007449	.0079749	0.09	0.926	-.0152653 .0167551
race_b	.0171405	.0018786	9.12	0.000	.0133691 .020912
race_h	-.0016351	.0017015	-0.96	0.341	-.005051 .0017807
race_i	.0026031	.0085939	0.30	0.763	-.0146499 .0198562
race_o	.0032888	.0058251	0.56	0.575	-.0084056 .0149832
race_mis	-.0066358	.0046558	-1.43	0.160	-.0159828 .0027111
tsd_edu_hs	.0073579	.0014152	5.20	0.000	.0045168 .010199
tsd_edu_mrhs	.0284742	.0016586	17.17	0.000	.0251444 .0318041
tsd_edu_mis	.0156338	.001764	8.86	0.000	.0120924 .0191752
tsd_mie_exp	-.0035313	.004595	-0.77	0.446	-.0127562 .0056935
tsd_mie_mis	-.0131192	.0023342	-5.62	0.000	-.0178052 -.0084332

tsd_mie_psbl	-.0090859	.0016256	-5.59	0.000	-.0123495	-.0058224
tsd_medicare	-.0201024	.002197	-9.15	0.000	-.024513	-.0156918
tsd_medicare_miss	-.0341997	.008656	-3.95	0.000	-.0515772	-.0168221
tsd_depend_1	-.0065696	.0018512	-3.55	0.001	-.0102861	-.0028531
tsd_depend_2	-.0005655	.001287	-0.44	0.662	-.0031493	.0020182
tsd_depend_miss	-.0302961	.0061871	-4.90	0.000	-.0427171	-.017875
tsd_vrpr	-.0310633	.0046593	-6.67	0.000	-.0404172	-.0217093
tsd_vrpr_miss	-.0836226	.0050429	-16.58	0.000	-.0937468	-.0734985
pdcgrou2	-.0130435	.0027765	-4.70	0.000	-.0186176	-.0074695
pdcgrou3	-.0018341	.002001	-0.92	0.364	-.0058513	.0021831
pdcgrou4	-.006135	.0020682	-2.97	0.005	-.0102871	-.0019829
pdcgrou5	-.0249537	.0117707	-2.12	0.039	-.0485845	-.0013229
cohort2000	-.0117017	.0024958	-4.69	0.000	-.0167122	-.0066912
cohort2001	-.0143637	.0045084	-3.19	0.002	-.0234147	-.0053127
cohort2002	-.014377	.006633	-2.17	0.035	-.0276933	-.0010607
cohort2003	-.0065774	.0073822	-0.89	0.377	-.0213978	.0082431
cohort2004	.0190998	.0115529	1.65	0.104	-.0040936	.0422932
award_b4_tsd	.0276642	.0078485	3.52	0.001	.0119077	.0434207
diaward_tsd	-.0010131	.000217	-4.67	0.000	-.0014488	-.0005773
epeb4twp_flag	.0454231	.0408209	1.11	0.271	-.0365283	.1273745
ldwb4twp_flag	-.0040267	.021877	-0.18	0.855	-.0479467	.0398933
ldwb4epe_flag	.4807907	.0245348	19.60	0.000	.4315351	.5300463
twpb4tsd	.3034829	.0063964	47.45	0.000	.2906416	.3163242
epeb4tsd	-.1768757	.0089754	-19.71	0.000	-.1948946	-.1588568
ldwb4tsd	-.1006134	.0045497	-22.11	0.000	-.1097472	-.0914795
st_AL	-.0327764	.0069411	-4.72	0.000	-.0467112	-.0188417
st_AR	-.0345786	.0048869	-7.08	0.000	-.0443895	-.0247676
st_AZ	-.0338563	.0054924	-6.16	0.000	-.0448828	-.0228298
st_CA	-.0061727	.0043974	-1.40	0.166	-.0150008	.0026554
st_CO	-.0463448	.0045561	-10.17	0.000	-.0554916	-.0371981
st_CT	-.0027187	.0056872	-0.48	0.635	-.0141362	.0086988
st_DC	.0102642	.0023156	4.43	0.000	.0056155	.0149128
st_DE	-.0413898	.009077	-4.56	0.000	-.0596126	-.023167
st_FL	-.0212955	.0065037	-3.27	0.002	-.0343522	-.0082388
st_GA	-.0274132	.0069923	-3.92	0.000	-.0414508	-.0133756
st_HI	-.0136263	.010943	-1.25	0.219	-.0355953	.0083426
st_IA	.0101761	.0081141	1.25	0.216	-.0061136	.0264658
st_ID	-.0194198	.0078769	-2.47	0.017	-.0352334	-.0036063
st_IL	-.0184803	.0031895	-5.79	0.000	-.0248835	-.012077
st_IN	-.0258459	.0061452	-4.21	0.000	-.038183	-.0135088
st_KS	-.0059595	.0056404	-1.06	0.296	-.017283	.005364
st_KY	-.0457687	.0038067	-12.02	0.000	-.053411	-.0381263
st_LA	-.0175361	.0036761	-4.77	0.000	-.0249162	-.0101561
st_MA	.0060894	.0054434	1.12	0.269	-.0048387	.0170174
st_MD	-.0107132	.008721	-1.23	0.225	-.0282214	.0067949
st_ME	-.0039963	.0081214	-0.49	0.625	-.0203007	.0123081
st_MI	-.0212453	.0019307	-11.00	0.000	-.0251213	-.0173693
st_MN	-.0011646	.0080047	-0.15	0.885	-.0172346	.0149055
st_MO	-.0288628	.0054683	-5.28	0.000	-.0398409	-.0178848
st_MS	-.0311998	.0032021	-9.74	0.000	-.0376283	-.0247712
st_MT	-.027253	.0086983	-3.13	0.003	-.0447155	-.0097905
st_NC	-.0362023	.0058661	-6.17	0.000	-.047979	-.0244257
st_ND	-.0149808	.0105902	-1.41	0.163	-.0362416	.0062799
st_NE	-.0183946	.0098556	-1.87	0.068	-.0381806	.0013914
st_NH	.0260409	.0081462	3.20	0.002	.0096868	.0423951
st_NJ	-.015623	.0045894	-3.40	0.001	-.0248367	-.0064094
st_NM	-.0093523	.00454	-2.06	0.045	-.0184666	-.0002379
st_NV	-.0207545	.0056637	-3.66	0.001	-.0321249	-.009384
st_NY	-.0098541	.0038243	-2.58	0.013	-.0175318	-.0021764
st_OH	-.0253713	.0051899	-4.89	0.000	-.0357904	-.0149522
st_OK	-.0081317	.005658	-1.44	0.157	-.0194907	.0032272
st_OR	-.0058185	.0022034	-2.64	0.011	-.010242	-.0013949
st_PA	-.0149499	.006263	-2.39	0.021	-.0275233	-.0023765

st_PR	-.0501018	.0101395	-4.94	0.000	-.0704576	-.0297459
st_RI	.0119057	.0063514	1.87	0.067	-.0008452	.0246566
st_SC	-.0487751	.0028551	-17.08	0.000	-.054507	-.0430432
st_SD	-.021883	.010794	-2.03	0.048	-.0435529	-.0002132
st_TN	-.0332053	.0053714	-6.18	0.000	-.0439888	-.0224219
st_TX	-.0216355	.0050119	-4.32	0.000	-.0316973	-.0115736
st_UT	-.0199053	.0070883	-2.81	0.007	-.0341356	-.0056751
st_VA	-.0155871	.0090163	-1.73	0.090	-.0336881	.002514
st_VT	.0060546	.0090889	0.67	0.508	-.0121922	.0243013
st_WA	-.010908	.0046121	-2.37	0.022	-.0201672	-.0016489
st_WI	-.0157604	.0059239	-2.66	0.010	-.0276531	-.0038677
st_WV	-.0238061	.0066928	-3.56	0.001	-.0372426	-.0103697
st_WY	-.0063994	.0097862	-0.65	0.516	-.026046	.0132473
tsd_unemp_mean	-.0002319	.0025824	-0.09	0.929	-.0054163	.0049525
tsd_unemp_cng	.0008078	.0015465	0.52	0.604	-.0022969	.0039125
pial	9.09e-06	8.11e-06	1.12	0.268	-7.19e-06	.0000254
pia_miss	.0002308	.0067602	0.03	0.973	-.0133409	.0138025
ime1	-1.70e-06	2.00e-06	-0.85	0.400	-5.71e-06	2.32e-06
ime_miss	-.0337185	.002899	-11.63	0.000	-.0395385	-.0278984
phase2_st	-.0088534	.0061554	-1.44	0.156	-.0212108	.0035041
_cons	.3151696	.0259113	12.16	0.000	.2631505	.3671887

(1) motoimm = 0

F(1, 51) = 2.26
 Prob > F = 0.1387

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(49, 51) = .
 Prob > F = .
 R-squared = 0.0182
 Root MSE = .17915

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0001133	.0001917	0.59	0.557	-.0002716	.0004982
int_motoimm	-.0002987	.0003224	-0.93	0.359	-.0009459	.0003485
male	.0023605	.0010149	2.33	0.024	.0003229	.004398
gendermiss_flag	-.0422034	.01267	-3.33	0.002	-.0676396	-.0167673
tsd_age	-.0013194	.0001351	-9.77	0.000	-.0015906	-.0010483
doage2	.0001095	.0001157	0.95	0.348	-.0001228	.0003419
doage2miss_flag	-.0026219	.0267866	-0.10	0.922	-.0563984	.0511545
race_a	.0006298	.0034211	0.18	0.855	-.0062383	.0074979
race_b	.0075002	.001247	6.01	0.000	.0049967	.0100037
race_h	-2.75e-06	.0010561	-0.00	0.998	-.002123	.0021175
race_i	-.0037614	.0048483	-0.78	0.441	-.0134948	.0059719
race_o	.0109602	.0069714	1.57	0.122	-.0030354	.0249558
race_mis	-.0019807	.0038494	-0.51	0.609	-.0097087	.0057473
tsd_edu_hs	.0021772	.0009487	2.29	0.026	.0002727	.0040818
tsd_edu_mrhs	.011187	.0015165	7.38	0.000	.0081426	.0142314
tsd_edu_mis	.0034624	.0013762	2.52	0.015	.0006995	.0062253
tsd_mie_exp	.0103385	.0028236	3.66	0.001	.0046699	.0160072
tsd_mie_mis	-.0025799	.0010114	-2.55	0.014	-.0046104	-.0005494
tsd_mie_psbl	.0042415	.0010522	4.03	0.000	.0021292	.0063539

tsd_medicare	-.0146722	.0013499	-10.87	0.000	-.0173822	-.0119623
tsd_medicare_miss	-.0161803	.0045598	-3.55	0.001	-.0253345	-.0070262
tsd_depend_1	-.0038476	.0013629	-2.82	0.007	-.0065838	-.0011115
tsd_depend_2	-.0007127	.0010671	-0.67	0.507	-.002855	.0014295
tsd_depend_miss	-.015689	.0033251	-4.72	0.000	-.0223643	-.0090136
tsd_vrpr	-.0143771	.0036473	-3.94	0.000	-.0216993	-.0070549
tsd_vrpr_miss	-.0398813	.0032042	-12.45	0.000	-.046314	-.0334486
pdcgrou2	-.0092618	.0022479	-4.12	0.000	-.0137746	-.004749
pdcgrou3	-.0071549	.0019215	-3.72	0.000	-.0110126	-.0032972
pdcgrou4	-.0063765	.0017432	-3.66	0.001	-.0098762	-.0028768
pdcgrou5	.0060011	.0082393	0.73	0.470	-.01054	.0225423
cohort2000	-.0055301	.001556	-3.55	0.001	-.008654	-.0024062
cohort2001	-.0064178	.0021995	-2.92	0.005	-.0108336	-.0020021
cohort2002	-.0069537	.0031379	-2.22	0.031	-.0132533	-.0006542
cohort2003	-.0090656	.0037967	-2.39	0.021	-.0166877	-.0014434
cohort2004	-.0125358	.0092064	-1.36	0.179	-.0310185	.0059469
award_b4_tsd	.0047543	.00549	0.87	0.391	-.0062674	.015776
diaward_tsd	-.0003778	.0000819	-4.61	0.000	-.0005422	-.0002133
epeb4twp_flag	.0470928	.0855279	0.55	0.584	-.1246116	.2187972
ldwb4twp_flag	.105957	.0524232	2.02	0.049	.0007132	.2112009
ldwb4epe_flag	.1366707	.0330262	4.14	0.000	.0703679	.2029736
twpb4tsd	-.013778	.0061174	-2.25	0.029	-.0260591	-.0014969
epeb4tsd	-.0263292	.0022236	-11.84	0.000	-.0307933	-.0218651
ldwb4tsd	-.016165	.0018338	-8.81	0.000	-.0198466	-.0124834
st_AL	.0038622	.0054362	0.71	0.481	-.0070514	.0147758
st_AR	-.0057099	.0039563	-1.44	0.155	-.0136525	.0022326
st_AZ	.011884	.0045138	2.63	0.011	.0028221	.0209459
st_CA	.0112998	.0036327	3.11	0.003	.0040067	.0185928
st_CO	-.0162851	.0035986	-4.53	0.000	-.0235096	-.0090606
st_CT	.0150578	.0047481	3.17	0.003	.0055256	.0245899
st_DC	.005215	.0017255	3.02	0.004	.0017509	.0086791
st_DE	.0259947	.007365	3.53	0.001	.0112089	.0407805
st_FL	-.0000586	.0054031	-0.01	0.991	-.0109058	.0107886
st_GA	.0022268	.0060123	0.37	0.713	-.0098434	.014297
st_HI	.0174922	.0090354	1.94	0.058	-.0006471	.0356315
st_IA	.0285113	.0063755	4.47	0.000	.0157119	.0413107
st_ID	.015491	.006249	2.48	0.017	.0029457	.0280364
st_IL	-.0049789	.0025595	-1.95	0.057	-.0101173	.0001595
st_IN	.0029344	.0049153	0.60	0.553	-.0069334	.0128023
st_KS	.0098789	.0045019	2.19	0.033	.0008408	.0189169
st_KY	-.0098781	.0030188	-3.27	0.002	-.0159386	-.0038177
st_LA	.0018439	.0030868	0.60	0.553	-.0043532	.008041
st_MA	.0253564	.004305	5.89	0.000	.0167139	.033999
st_MD	.0127976	.0070021	1.83	0.073	-.0012598	.0268549
st_ME	.0140787	.0063285	2.22	0.031	.0013737	.0267836
st_MI	.0010723	.0014894	0.72	0.475	-.0019177	.0040623
st_MN	.013834	.0062159	2.23	0.030	.001355	.026313
st_MO	.0058275	.0043836	1.33	0.190	-.0029729	.0146278
st_MS	-.0049579	.0025731	-1.93	0.060	-.0101237	.0002079
st_MT	.0042802	.006999	0.61	0.544	-.009771	.0183313
st_NC	.0028248	.0046472	0.61	0.546	-.0065048	.0121543
st_ND	-.0009653	.0083886	-0.12	0.909	-.0178061	.0158755
st_NE	.0109224	.0076942	1.42	0.162	-.0045244	.0263693
st_NH	.0155238	.0066393	2.34	0.023	.0021949	.0288527
st_NJ	.006018	.0039069	1.54	0.130	-.0018255	.0138615
st_NM	.0043333	.0036088	1.20	0.235	-.0029117	.0115783
st_NV	.0086775	.0047605	1.82	0.074	-.0008796	.0182347
st_NY	.0058605	.0031996	1.83	0.073	-.000563	.012284
st_OH	.0033307	.0039059	0.85	0.398	-.0045107	.0111721
st_OK	-.0184009	.0045998	-4.00	0.000	-.0276355	-.0091664
st_OR	.0068239	.0019173	3.56	0.001	.0029748	.010673
st_PA	.0068269	.0048992	1.39	0.170	-.0030087	.0166624
st_PR	-.0216789	.0075059	-2.89	0.006	-.0367476	-.0066101

st_RI	.0202334	.0053106	3.81	0.000	.009572	.0308949
st_SC	-.0235064	.0022221	-10.58	0.000	-.0279674	-.0190454
st_SD	.0079136	.0086542	0.91	0.365	-.0094605	.0252877
st_TN	-.0026921	.0042915	-0.63	0.533	-.0113077	.0059235
st_TX	.0045385	.0038972	1.16	0.250	-.0032854	.0123624
st_UT	.0073885	.0054589	1.35	0.182	-.0035706	.0183476
st_VA	.0082675	.0074077	1.12	0.270	-.0066041	.0231391
st_VT	.011488	.0070999	1.62	0.112	-.0027657	.0257417
st_WA	.0125971	.0035766	3.52	0.001	.0054168	.0197774
st_WI	.0028511	.0047251	0.60	0.549	-.0066349	.0123371
st_WV	.003958	.0052725	0.75	0.456	-.006627	.014543
st_WY	.0178056	.0074917	2.38	0.021	.0027655	.0328458
tsd_unemp_mean	.0022473	.0020812	1.08	0.285	-.0019309	.0064255
tsd_unemp_cng	.0008368	.0014506	0.58	0.567	-.0020754	.003749
pial	.0000165	3.73e-06	4.43	0.000	9.02e-06	.000024
pia_miss	.0132488	.0040891	3.24	0.002	.0050396	.021458
ime1	-4.22e-06	1.05e-06	-4.02	0.000	-6.33e-06	-2.11e-06
ime_miss	-.0192815	.0018767	-10.27	0.000	-.0230491	-.0155139
phase2_st	-.0007214	.0040281	-0.18	0.859	-.0088082	.0073654
_cons	.1156356	.0177459	6.52	0.000	.0800092	.1512619

(1) motoimm = 0

F(1, 51) = 0.35
 Prob > F = 0.5572

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > unemp.xls
 dir : seeout

Linear regression

Number of obs	=	191505
F(49, 51)	=	.
Prob > F	=	.
R-squared	=	0.0321
Root MSE	=	.23365

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.000014	.0002432	-0.06	0.954	-.0005022	.0004742
int_motoimm	-.0003186	.0004028	-0.79	0.433	-.0011273	.0004902
male	.0010526	.0011066	0.95	0.346	-.0011691	.0032742
gendermiss_flag	-.0792157	.0259826	-3.05	0.004	-.1313779	-.0270535
tsd_age	-.002295	.0001935	-11.86	0.000	-.0026836	-.0019065
doage2	.0001534	.0001727	0.89	0.379	-.0001933	.0005001
doage2miss_flag	-.0027016	.0533462	-0.05	0.960	-.1097985	.1043953
race_a	-.0016912	.0057929	-0.29	0.772	-.0133209	.0099385
race_b	.0128755	.0014389	8.95	0.000	.0099868	.0157643
race_h	.0001822	.0018964	0.10	0.924	-.0036249	.0039894
race_i	.001736	.0069345	0.25	0.803	-.0121855	.0156575
race_o	.0134863	.0080375	1.68	0.099	-.0026497	.0296223
race_mis	-.0049864	.0048727	-1.02	0.311	-.0147689	.004796
tsd_edu_hs	.0044976	.0014927	3.01	0.004	.0015008	.0074943
tsd_edu_mrhs	.0194807	.0019572	9.95	0.000	.0155514	.0234099
tsd_edu_mis	.0052088	.0017276	3.02	0.004	.0017405	.008677
tsd_mie_exp	.0142852	.0034429	4.15	0.000	.0073734	.0211971
tsd_mie_mis	-.0045846	.0015581	-2.94	0.005	-.0077126	-.0014566
tsd_mie_psbl	.0061741	.0016226	3.81	0.000	.0029166	.0094317
tsd_medicare	-.0217237	.00154	-14.11	0.000	-.0248155	-.018632

tsd_medicare_miss	-.0268638	.0056763	-4.73	0.000	-.0382594	-.0154682
tsd_depend_1	-.0048537	.0016722	-2.90	0.005	-.0082108	-.0014967
tsd_depend_2	.0004928	.0014233	0.35	0.731	-.0023645	.0033501
tsd_depend_miss	-.0268181	.0041989	-6.39	0.000	-.0352478	-.0183883
tsd_vrpr	-.0485491	.0057507	-8.44	0.000	-.0600941	-.0370041
tsd_vrpr_miss	-.0910938	.0060514	-15.05	0.000	-.1032425	-.078945
pdcgrou2	-.0164487	.0030326	-5.42	0.000	-.022537	-.0103604
pdcgrou3	-.0104701	.0027357	-3.83	0.000	-.0159622	-.004978
pdcgrou4	-.0132479	.0026069	-5.08	0.000	-.0184815	-.0080144
pdcgrou5	-.0005133	.0104011	-0.05	0.961	-.0213944	.0203677
cohort2000	-.0094546	.0023188	-4.08	0.000	-.0141097	-.0049795
cohort2001	-.0128946	.0038599	-3.34	0.002	-.0206438	-.0051455
cohort2002	-.0155673	.0054455	-2.86	0.006	-.0264996	-.004635
cohort2003	-.0223157	.0067414	-3.31	0.002	-.0358497	-.0087818
cohort2004	-.0093765	.0130995	-0.72	0.477	-.0356749	.0169218
award_b4_tsd	.0218594	.007028	3.11	0.003	.00775	.0359687
diaward_tsd	-.0006587	.000159	-4.14	0.000	-.0009779	-.0003396
epeb4twp_flag	.1073285	.1119712	0.96	0.342	-.117463	.33212
ldwb4twp_flag	.2931476	.0817446	3.59	0.001	.1290384	.4572568
ldwb4epe_flag	.2214598	.0282188	7.85	0.000	.1648082	.2781114
twpb4tsd	-.0378376	.008326	-4.54	0.000	-.0545528	-.0211225
epeb4tsd	-.0456429	.0031165	-14.65	0.000	-.0518996	-.0393862
ldwb4tsd	-.0254398	.0022418	-11.35	0.000	-.0299404	-.0209392
st_AL	-.0041963	.0059993	-0.70	0.487	-.0162404	.0078479
st_AR	-.0060172	.0042303	-1.42	0.161	-.01451	.0024756
st_AZ	-.0022462	.0048342	-0.46	0.644	-.0119512	.0074588
st_CA	.0119756	.0043332	2.76	0.008	.0032765	.0206748
st_CO	-.0090805	.0039723	-2.29	0.026	-.0170552	-.0011057
st_CT	.0194604	.0048836	3.98	0.000	.0096562	.0292645
st_DC	-.0068365	.0018381	-3.72	0.000	-.0105268	-.0031463
st_DE	-.0055386	.0076998	-0.72	0.475	-.0209966	.0099194
st_FL	-.0005326	.0056408	-0.09	0.925	-.011857	.0107919
st_GA	-4.33e-06	.0060204	-0.00	0.999	-.0120907	.0120821
st_HI	.0166078	.0102691	1.62	0.112	-.0040084	.0372239
st_IA	.0214441	.0068731	3.12	0.003	.0076458	.0352424
st_ID	.0106625	.0067958	1.57	0.123	-.0029806	.0243057
st_IL	-.007491	.0029347	-2.55	0.014	-.0133826	-.0015994
st_IN	.0029308	.0050757	0.58	0.566	-.0072592	.0131207
st_KS	.0179285	.004811	3.73	0.000	.0082699	.027587
st_KY	-.0154572	.0031142	-4.96	0.000	-.0217093	-.009205
st_LA	.0019453	.0031286	0.62	0.537	-.0043356	.0082262
st_MA	.0359756	.0046188	7.79	0.000	.026703	.0452482
st_MD	.0056296	.0077648	0.73	0.472	-.0099589	.0212181
st_ME	.0178961	.0070669	2.53	0.014	.0037086	.0320835
st_MI	-.0027924	.0017602	-1.59	0.119	-.0063261	.0007413
st_MN	.013324	.0068748	1.94	0.058	-.0004778	.0271258
st_MO	.0039784	.0045337	0.88	0.384	-.0051234	.0130801
st_MS	-.0115212	.002373	-4.86	0.000	-.0162851	-.0067573
st_MT	.0023986	.007237	0.33	0.742	-.0121303	.0169274
st_NC	-.0065172	.0051746	-1.26	0.214	-.0169057	.0038713
st_ND	-.0047455	.0087343	-0.54	0.589	-.0222803	.0127892
st_NE	.0175374	.0085698	2.05	0.046	.0003327	.0347421
st_NH	.037122	.0066311	5.60	0.000	.0238095	.0504344
st_NJ	.0058323	.0038878	1.50	0.140	-.0019728	.0136375
st_NM	.0018226	.0039249	0.46	0.644	-.0060569	.0097021
st_NV	.0087609	.0047579	1.84	0.071	-.0007909	.0183127
st_NY	.011901	.0034047	3.50	0.001	.0050658	.0187362
st_OH	-.0044393	.0046588	-0.95	0.345	-.0137923	.0049136
st_OK	.0041284	.005019	0.82	0.415	-.0059478	.0142045
st_OR	.0160579	.0021234	7.56	0.000	.0117949	.0203209
st_PA	.0052398	.0056135	0.93	0.355	-.0060298	.0165095
st_PR	-.0400108	.0083488	-4.79	0.000	-.0567717	-.02325
st_RI	.0218247	.0059233	3.68	0.001	.0099333	.0337162

st_SC	-.0402003	.0025617	-15.69	0.000	-.0453431	-.0350575
st_SD	-.0062472	.009098	-0.69	0.495	-.0245121	.0120177
st_TN	-.0070208	.0045405	-1.55	0.128	-.0161362	.0020947
st_TX	-.0004571	.0045757	-0.10	0.921	-.0096432	.008729
st_UT	.001842	.0061422	0.30	0.765	-.0104889	.0141729
st_VA	.0117434	.0075589	1.55	0.126	-.0034317	.0269186
st_VT	.0406395	.0075871	5.36	0.000	.0254077	.0558712
st_WA	.0099895	.0041857	2.39	0.021	.0015863	.0183927
st_WI	-.0031399	.0050152	-0.63	0.534	-.0132084	.0069286
st_WV	.0003085	.0058859	0.05	0.958	-.011508	.012125
st_WY	.0037608	.0082458	0.46	0.650	-.0127933	.0203149
tsd_unemp_mean	.0025529	.0021896	1.17	0.249	-.0018429	.0069486
tsd_unemp_cng	.0012974	.0017156	0.76	0.453	-.0021467	.0047416
pial	.0000332	5.31e-06	6.26	0.000	.0000226	.0000439
pia_miss	.0277629	.0050022	5.55	0.000	.0177205	.0378053
ime1	-9.62e-06	1.76e-06	-5.47	0.000	-.0000132	-6.09e-06
ime_miss	-.0362489	.0033498	-10.82	0.000	-.0429739	-.0295239
phase2_st	-.0092598	.0049253	-1.88	0.066	-.0191478	.0006282
_cons	.2445652	.0167867	14.57	0.000	.2108645	.278266

(1) motoimm = 0

F(1, 51) = 0.00
 Prob > F = 0.9544

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(49, 51) = .
 Prob > F = .
 R-squared = 0.0422
 Root MSE = .26379

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0002154	.0002291	-0.94	0.351	-.0006753	.0002445
int_motoimm	-.0001206	.0004345	-0.28	0.783	-.000993	.0007518
male	.0007127	.0011085	0.64	0.523	-.0015127	.0029382
gendermiss_flag	-.1046336	.0334205	-3.13	0.003	-.1717281	-.0375392
tsd_age	-.0030518	.0002622	-11.64	0.000	-.0035783	-.0025253
doage2	.0001964	.0002145	0.92	0.364	-.0002342	.0006269
doage2miss_flag	-.0049099	.0758272	-0.06	0.949	-.1571394	.1473196
race_a	-.0032966	.0059536	-0.55	0.582	-.0152489	.0086558
race_b	.0140783	.0016856	8.35	0.000	.0106943	.0174623
race_h	-.0006379	.0019684	-0.32	0.747	-.0045896	.0033139
race_i	.0039188	.0082956	0.47	0.639	-.0127352	.0205729
race_o	.0136657	.0084024	1.63	0.110	-.0032029	.0305342
race_mis	-.009411	.0049711	-1.89	0.064	-.0193908	.0005689
tsd_edu_hs	.0055414	.0019456	2.85	0.006	.0016355	.0094473
tsd_edu_mrhs	.0257689	.0021202	12.15	0.000	.0215123	.0300254
tsd_edu_mis	.0056551	.0018407	3.07	0.003	.0019598	.0093505
tsd_mie_exp	.0198369	.0038599	5.14	0.000	.0120878	.027586
tsd_mie_mis	-.0030016	.0019309	-1.55	0.126	-.0068781	.0008749
tsd_mie_psbl	.0093063	.0018459	5.04	0.000	.0056006	.013012
tsd_medicare	-.0252505	.0018033	-14.00	0.000	-.0288707	-.0216302
tsd_medicare_miss	-.0367202	.006439	-5.70	0.000	-.0496469	-.0237935

tsd_depend_1	-.0056741	.0017232	-3.29	0.002	-.0091336	-.0022146
tsd_depend_2	.0025684	.0016021	1.60	0.115	-.000648	.0057848
tsd_depend_miss	-.0345979	.0048435	-7.14	0.000	-.0443216	-.0248742
tsd_vrpr	-.0717392	.0066136	-10.85	0.000	-.0850165	-.058462
tsd_vrpr_miss	-.1249792	.0069962	-17.86	0.000	-.1390246	-.1109337
pdcgrou2	-.0224706	.0032445	-6.93	0.000	-.0289841	-.015957
pdcgrou3	-.0148308	.0030574	-4.85	0.000	-.0209687	-.0086929
pdcgrou4	-.0190797	.0028199	-6.77	0.000	-.024741	-.0134185
pdcgrou5	-.012136	.0127795	-0.95	0.347	-.0377918	.0135199
cohort2000	-.0085541	.002714	-3.15	0.003	-.0140027	-.0031056
cohort2001	-.0089767	.0041268	-2.18	0.034	-.0172617	-.0006918
cohort2002	-.010478	.0058636	-1.79	0.080	-.0222498	.0012937
cohort2003	-.0166243	.0070956	-2.34	0.023	-.0308695	-.0023792
cohort2004	.0079688	.0113551	0.70	0.486	-.0148276	.0307652
award_b4_tsd	.0324878	.006502	5.00	0.000	.0194346	.0455411
diaward_tsd	-.0004881	.0001597	-3.06	0.004	-.0008087	-.0001676
epeb4twp_flag	.1202535	.127999	0.94	0.352	-.1367152	.3772222
ldwb4twp_flag	.4693611	.0912055	5.15	0.000	.2862583	.6524638
ldwb4epe_flag	.2945399	.0323339	9.11	0.000	.2296269	.3594528
twpb4tsd	-.0590188	.0083674	-7.05	0.000	-.0758171	-.0422205
epeb4tsd	-.0578485	.0034731	-16.66	0.000	-.064821	-.0508761
ldwb4tsd	-.0322349	.0023954	-13.46	0.000	-.0370439	-.0274258
st_AL	-.0209069	.0066938	-3.12	0.003	-.0343454	-.0074685
st_AR	-.0095217	.0053349	-1.78	0.080	-.0202319	.0011885
st_AZ	.0013576	.0053752	0.25	0.802	-.0094335	.0121487
st_CA	.0032126	.0048536	0.66	0.511	-.0065314	.0129567
st_CO	-.0195283	.0045093	-4.33	0.000	-.0285812	-.0104755
st_CT	.0161167	.0060253	2.67	0.010	.0040203	.028213
st_DC	-.0140768	.0026283	-5.36	0.000	-.0193534	-.0088002
st_DE	-.0131411	.0090414	-1.45	0.152	-.0312925	.0050104
st_FL	-.0026164	.0064624	-0.40	0.687	-.0155903	.0103575
st_GA	-.0077312	.0076285	-1.01	0.316	-.023046	.0075836
st_HI	.0059192	.0105684	0.56	0.578	-.0152977	.0271362
st_IA	.0342619	.0079907	4.29	0.000	.0182199	.0503039
st_ID	-.0037408	.007544	-0.50	0.622	-.0188861	.0114044
st_IL	-.0065691	.0032723	-2.01	0.050	-.0131386	2.91e-07
st_IN	-.007614	.0064181	-1.19	0.241	-.0204989	.0052709
st_KS	.0233273	.0060693	3.84	0.000	.0111427	.0355119
st_KY	-.0201753	.0040295	-5.01	0.000	-.0282648	-.0120858
st_LA	-.0007793	.0041438	-0.19	0.852	-.0090984	.0075397
st_MA	.0312815	.0051596	6.06	0.000	.0209233	.0416398
st_MD	-.0080277	.0085788	-0.94	0.354	-.0252503	.009195
st_ME	.0055526	.0077377	0.72	0.476	-.0099816	.0210867
st_MI	-.0100114	.0022514	-4.45	0.000	-.0145314	-.0054914
st_MN	-.0001991	.0075619	-0.03	0.979	-.0153803	.0149821
st_MO	-.001336	.0057696	-0.23	0.818	-.012919	.0102469
st_MS	-.0198487	.003294	-6.03	0.000	-.0264617	-.0132358
st_MT	-.0074744	.008971	-0.83	0.409	-.0254845	.0105357
st_NC	-.0250942	.0058505	-4.29	0.000	-.0368395	-.0133489
st_ND	.0026542	.0109355	0.24	0.809	-.0192996	.0246081
st_NE	.0031444	.0094167	0.33	0.740	-.0157604	.0220493
st_NH	.0485833	.0083188	5.84	0.000	.0318826	.0652841
st_NJ	.0005956	.0049609	0.12	0.905	-.0093638	.010555
st_NM	-.0007507	.0046526	-0.16	0.872	-.0100912	.0085897
st_NV	.0056102	.0058999	0.95	0.346	-.0062344	.0174548
st_NY	.019511	.0038042	5.13	0.000	.0118737	.0271483
st_OH	-.0209435	.0052901	-3.96	0.000	-.0315639	-.0103232
st_OK	.0344447	.0057215	6.02	0.000	.0229583	.0459311
st_OR	.0247175	.0027975	8.84	0.000	.0191013	.0303338
st_PA	-.0050187	.0062159	-0.81	0.423	-.0174976	.0074602
st_PR	-.0656554	.0108629	-6.04	0.000	-.0874635	-.0438472
st_RI	.0093061	.0063758	1.46	0.151	-.0034939	.022106
st_SC	-.0628328	.0029399	-21.37	0.000	-.0687348	-.0569307

st_SD	-.0092768	.0112048	-0.83	0.412	-.0317714	.0132179
st_TN	-.0154442	.005691	-2.71	0.009	-.0268693	-.004019
st_TX	-.0138431	.0052558	-2.63	0.011	-.0243946	-.0032916
st_UT	-.0102899	.0068967	-1.49	0.142	-.0241357	.0035559
st_VA	.0079173	.0094178	0.84	0.404	-.0109897	.0268243
st_VT	.0112881	.0087723	1.29	0.204	-.0063231	.0288993
st_WA	.0004997	.0048664	0.10	0.919	-.00927	.0102694
st_WI	-.0012399	.005771	-0.21	0.831	-.0128256	.0103458
st_WV	-.0119353	.0065813	-1.81	0.076	-.0251478	.0012772
st_WY	.0063198	.00923	0.68	0.497	-.0122103	.0248499
tsd_unemp_mean	.0031498	.0025957	1.21	0.231	-.0020613	.0083608
tsd_unemp_cng	.0018348	.0018395	1.00	0.323	-.0018581	.0055278
pial	.0000422	7.86e-06	5.37	0.000	.0000264	.000058
pia_miss	.0358853	.0057291	6.26	0.000	.0243837	.0473869
ime1	-.0000126	2.27e-06	-5.55	0.000	-.0000172	-8.04e-06
ime_miss	-.0463432	.0030966	-14.97	0.000	-.0525598	-.0401266
phase2_st	-.0149818	.0064904	-2.31	0.025	-.0280118	-.0019518
_cons	.3250426	.0215894	15.06	0.000	.2817001	.3683851

(1) motoimm = 0

F(1, 51) = 0.88
 Prob > F = 0.3515

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(49, 51) = .
 Prob > F = .
 R-squared = 0.0487
 Root MSE = .28025

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0001344	.0002327	-0.58	0.566	-.0006016	.0003327
int_motoimm	-.0001426	.000442	-0.32	0.748	-.0010299	.0007446
male	.0002348	.0013451	0.17	0.862	-.0024657	.0029353
gendermiss_flag	-.1200443	.0391566	-3.07	0.003	-.1986545	-.0414342
tsd_age	-.0035855	.0002787	-12.86	0.000	-.004145	-.003026
doage2	.0001713	.0002352	0.73	0.470	-.000301	.0006435
doage2miss_flag	-.0077915	.0930013	-0.08	0.934	-.1944994	.1789163
race_a	-.0058278	.0070014	-0.83	0.409	-.0198836	.0082281
race_b	.0160434	.0015465	10.37	0.000	.0129388	.0191481
race_h	-.0001742	.0022998	-0.08	0.940	-.0047911	.0044428
race_i	-.0001549	.0084275	-0.02	0.985	-.0170739	.0167641
race_o	.0118694	.0087385	1.36	0.180	-.0056738	.0294126
race_mis	-.013317	.0052827	-2.52	0.015	-.0239225	-.0027115
tsd_edu_hs	.0069247	.0020485	3.38	0.001	.0028122	.0110373
tsd_edu_mrhs	.0297344	.0022509	13.21	0.000	.0252156	.0342532
tsd_edu_mis	.0064915	.0020534	3.16	0.003	.0023692	.0106138
tsd_mie_exp	.0207056	.0038565	5.37	0.000	.0129635	.0284478
tsd_mie_mis	-.0013224	.0020771	-0.64	0.527	-.0054923	.0028475
tsd_mie_psbl	.011617	.0020497	5.67	0.000	.0075021	.0157319
tsd_medicare	-.0278579	.0018742	-14.86	0.000	-.0316206	-.0240952
tsd_medicare_miss	-.0404548	.006404	-6.32	0.000	-.0533113	-.0275983
tsd_depend_1	-.0053552	.0017985	-2.98	0.004	-.008966	-.0017445

tsd_depend_2	.0038731	.001798	2.15	0.036	.0002633	.0074828
tsd_depend_miss	-.037669	.0055499	-6.79	0.000	-.048811	-.026527
tsd_vrpr	-.0869195	.0062937	-13.81	0.000	-.0995546	-.0742844
tsd_vrpr_miss	-.1446299	.0065655	-22.03	0.000	-.1578107	-.1314492
pdcgrou2	-.0278542	.0035631	-7.82	0.000	-.0350075	-.020701
pdcgrou3	-.01624	.0034648	-4.69	0.000	-.0231959	-.009284
pdcgrou4	-.0224457	.0030715	-7.31	0.000	-.0286119	-.0162795
pdcgrou5	-.0232469	.0125416	-1.85	0.070	-.0484253	.0019314
cohort2000	-.009172	.0028729	-3.19	0.002	-.0149396	-.0034045
cohort2001	-.0098458	.0042769	-2.30	0.025	-.0184321	-.0012596
cohort2002	-.0116196	.0057131	-2.03	0.047	-.0230891	-.0001501
cohort2003	-.0180987	.0070903	-2.55	0.014	-.032333	-.0038644
cohort2004	.0108845	.0137977	0.79	0.434	-.0168156	.0385845
award_b4_tsd	.0343215	.0075232	4.56	0.000	.019218	.049425
diaward_tsd	-.0004521	.0001581	-2.86	0.006	-.0007694	-.0001347
epeb4twp_flag	.2235953	.111736	2.00	0.051	-.0007241	.4479147
ldwb4twp_flag	.6839449	.0674634	10.14	0.000	.5485065	.8193834
ldwb4epe_flag	.3191858	.0329393	9.69	0.000	.2530573	.3853143
twpb4tsd	-.0723134	.0082021	-8.82	0.000	-.0887797	-.0558471
epeb4tsd	-.0653375	.0039242	-16.65	0.000	-.0732157	-.0574594
ldwb4tsd	-.0368808	.0025918	-14.23	0.000	-.0420839	-.0316776
st_AL	-.0425728	.0072717	-5.85	0.000	-.0571714	-.0279741
st_AR	-.0201181	.0064164	-3.14	0.003	-.0329994	-.0072367
st_AZ	.0109306	.0061702	1.77	0.082	-.0014567	.0233179
st_CA	-.0118552	.0048346	-2.45	0.018	-.021561	-.0021494
st_CO	-.0140283	.00505	-2.78	0.008	-.0241666	-.00389
st_CT	.0082412	.0073652	1.12	0.268	-.006545	.0230274
st_DC	-.022315	.0030528	-7.31	0.000	-.0284438	-.0161862
st_DE	-.0293558	.0108402	-2.71	0.009	-.0511183	-.0075932
st_FL	-.0005613	.0075401	-0.07	0.941	-.0156987	.0145762
st_GA	-.0228171	.0092835	-2.46	0.017	-.0414545	-.0041797
st_HI	-.0074822	.0118546	-0.63	0.531	-.0312812	.0163168
st_IA	.0358575	.0094577	3.79	0.000	.0168704	.0548446
st_ID	-.0239259	.0082605	-2.90	0.006	-.0405094	-.0073423
st_IL	.0047392	.0035194	1.35	0.184	-.0023263	.0118047
st_IN	-.0135422	.0079041	-1.71	0.093	-.0294104	.002326
st_KS	.0140097	.0073668	1.90	0.063	-.0007798	.0287992
st_KY	-.0304979	.0048879	-6.24	0.000	-.0403107	-.0206851
st_LA	-.0093208	.0050012	-1.86	0.068	-.0193611	.0007195
st_MA	.0516396	.0060728	8.50	0.000	.0394479	.0638313
st_MD	-.0311562	.0095961	-3.25	0.002	-.0504212	-.0118912
st_ME	-.0097639	.008524	-1.15	0.257	-.0268765	.0073486
st_MI	-.0217424	.0025364	-8.57	0.000	-.0268345	-.0166502
st_MN	-.0172632	.008357	-2.07	0.044	-.0340406	-.0004857
st_MO	-.008261	.0070501	-1.17	0.247	-.0224148	.0058927
st_MS	-.0321294	.0040343	-7.96	0.000	-.0402286	-.0240301
st_MT	-.0150565	.0110844	-1.36	0.180	-.0373093	.0071964
st_NC	-.0450404	.0061873	-7.28	0.000	-.0574619	-.032619
st_ND	-.0147569	.0135043	-1.09	0.280	-.0418679	.0123542
st_NE	-.010998	.0106042	-1.04	0.305	-.0322867	.0102908
st_NH	.0437114	.0103369	4.23	0.000	.0229593	.0644636
st_NJ	-.0108704	.0061201	-1.78	0.082	-.023157	.0014162
st_NM	-.0099379	.0056738	-1.75	0.086	-.0213286	.0014527
st_NV	.0003052	.0072748	0.04	0.967	-.0142995	.0149099
st_NY	.0160903	.004232	3.80	0.000	.0075942	.0245865
st_OH	-.0394239	.0054615	-7.22	0.000	-.0503884	-.0284594
st_OK	.0459313	.0066348	6.92	0.000	.0326114	.0592512
st_OR	.0400723	.003063	13.08	0.000	.0339231	.0462215
st_PA	-.0201405	.0065835	-3.06	0.004	-.0333574	-.0069236
st_PR	-.0866122	.0134568	-6.44	0.000	-.1136278	-.0595965
st_RI	-.0035488	.0066312	-0.54	0.595	-.0168615	.0097638
st_SC	-.0784084	.0031583	-24.83	0.000	-.0847489	-.0720678
st_SD	-.0172403	.0136955	-1.26	0.214	-.0447351	.0102546

st_TN	-.0300038	.0069127	-4.34	0.000	-.0438816	-.0161261
st_TX	-.03158	.0053888	-5.86	0.000	-.0423985	-.0207615
st_UT	-.0250959	.0074899	-3.35	0.002	-.0401325	-.0100592
st_VA	-.0025351	.0115708	-0.22	0.827	-.0257644	.0206942
st_VT	-.015355	.0105131	-1.46	0.150	-.0364609	.0057508
st_WA	-.0119493	.0050183	-2.38	0.021	-.022024	-.0018746
st_WI	-.0014084	.0066687	-0.21	0.834	-.0147964	.0119795
st_WV	-.0333928	.0070483	-4.74	0.000	-.0475428	-.0192428
st_WY	-.0216693	.0104412	-2.08	0.043	-.0426308	-.0007078
tsd_unemp_mean	.0026613	.0031773	0.84	0.406	-.0037173	.0090399
tsd_unemp_cng	.0015732	.001846	0.85	0.398	-.0021328	.0052791
pial	.0000449	7.10e-06	6.32	0.000	.0000306	.0000592
pia_miss	.0361405	.0063425	5.70	0.000	.0234073	.0488737
ime1	-.000014	2.17e-06	-6.46	0.000	-.0000184	-9.66e-06
ime_miss	-.0516281	.0034761	-14.85	0.000	-.0586066	-.0446497
phase2_st	-.0197632	.0068768	-2.87	0.006	-.033569	-.0059575
_cons	.3960553	.024368	16.25	0.000	.3471345	.4449762

(1) motoimm = 0

F(1, 51) = 0.33
 Prob > F = 0.5661

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(49, 51) = .
 Prob > F = .
 R-squared = 0.2910
 Root MSE = .13394

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0006823	.000149	-4.58	0.000	-.0009814	-.0003832
int_motoimm	-8.02e-06	.0002549	-0.03	0.975	-.0005198	.0005038
male	.0002306	.0006865	0.34	0.738	-.0011476	.0016088
gendermiss_flag	.2491774	.1232383	2.02	0.048	.0017662	.4965887
tsd_age	-.0002306	.0001013	-2.28	0.027	-.0004341	-.0000272
doage2	-.0000255	.0000657	-0.39	0.699	-.0001575	.0001065
doage2miss_flag	-.0095381	.0050091	-1.90	0.063	-.0195942	.000518
race_a	.0013758	.0018284	0.75	0.455	-.0022949	.0050466
race_b	.0015369	.0007571	2.03	0.048	.0000171	.0030568
race_h	-.0010291	.0012971	-0.79	0.431	-.0036331	.0015749
race_i	-.0033559	.0038432	-0.87	0.387	-.0110714	.0043597
race_o	-.0000475	.002759	-0.02	0.986	-.0055865	.0054914
race_mis	-.000118	.002324	-0.05	0.960	-.0047837	.0045476
tsd_edu_hs	.0016518	.0008203	2.01	0.049	5.02e-06	.0032985
tsd_edu_mrhs	.0059235	.0012081	4.90	0.000	.0034981	.008349
tsd_edu_mis	.0027791	.0008111	3.43	0.001	.0011507	.0044076
tsd_mie_exp	.0011999	.0019836	0.60	0.548	-.0027825	.0051822
tsd_mie_mis	.0003845	.0012512	0.31	0.760	-.0021274	.0028965
tsd_mie_psbl	.0012152	.0008677	1.40	0.167	-.0005267	.0029571
tsd_medicare	-.0017348	.0009103	-1.91	0.062	-.0035624	.0000928
tsd_medicare_miss	-.0074514	.0023856	-3.12	0.003	-.0122408	-.0026621
tsd_depend_1	-.0018122	.0009047	-2.00	0.051	-.0036285	4.11e-06
tsd_depend_2	-.0020139	.0007095	-2.84	0.006	-.0034382	-.0005896

tsd_depend_miss	-.0014006	.0028376	-0.49	0.624	-.0070974	.0042962
tsd_vrpr	-.4200096	.014294	-29.38	0.000	-.448706	-.3913131
tsd_vrpr_miss	-.4426313	.0133544	-33.15	0.000	-.4694414	-.4158213
pdcgrou2	-.0023984	.001388	-1.73	0.090	-.005185	.0003882
pdcgrou3	-.0008362	.0013059	-0.64	0.525	-.0034578	.0017855
pdcgrou4	.0002887	.0011244	0.26	0.798	-.0019687	.0025461
pdcgrou5	-.0038643	.0074161	-0.52	0.605	-.0187527	.0110241
cohort2000	-.0011326	.0012834	-0.88	0.382	-.0037092	.0014439
cohort2001	-.0004416	.0017966	-0.25	0.807	-.0040484	.0031653
cohort2002	-.0022569	.0031387	-0.72	0.475	-.0085582	.0040444
cohort2003	-.0014402	.0036352	-0.40	0.694	-.0087383	.0058579
cohort2004	-.0210271	.0053567	-3.93	0.000	-.0317811	-.010273
award_b4_tsd	.000999	.0025653	0.39	0.699	-.0041511	.0061491
diaward_tsd	-.0001024	.0000886	-1.16	0.253	-.0002803	.0000755
epeb4twp_flag	-.0813844	.0336604	-2.42	0.019	-.1489605	-.0138082
ldwb4twp_flag	.0437218	.0261652	1.67	0.101	-.008807	.0962506
ldwb4epe_flag	.0053199	.0128319	0.41	0.680	-.0204412	.0310811
twpb4tsd	.0034386	.0014869	2.31	0.025	.0004534	.0064237
epeb4tsd	.0031664	.0018736	1.69	0.097	-.0005949	.0069277
ldwb4tsd	-.0053313	.002486	-2.14	0.037	-.0103222	-.0003404
st_AL	.013592	.0048431	2.81	0.007	.0038691	.0233149
st_AR	.0094215	.0035824	2.63	0.011	.0022295	.0166134
st_AZ	.0153204	.0041822	3.66	0.001	.0069244	.0237164
st_CA	.011036	.0029101	3.79	0.000	.0051937	.0168783
st_CO	.0177422	.0034083	5.21	0.000	.0108997	.0245847
st_CT	.0118142	.0041876	2.82	0.007	.0034072	.0202213
st_DC	-.0055315	.0013688	-4.04	0.000	-.0082795	-.0027834
st_DE	.0033497	.006588	0.51	0.613	-.0098763	.0165756
st_FL	-.0001281	.0048971	-0.03	0.979	-.0099594	.0097033
st_GA	.0085747	.0052437	1.64	0.108	-.0019524	.0191018
st_HI	.0012351	.0080468	0.15	0.879	-.0149197	.0173898
st_IA	.005935	.0058699	1.01	0.317	-.0058494	.0177193
st_ID	.0167129	.0054653	3.06	0.004	.0057408	.0276851
st_IL	.0067493	.0023107	2.92	0.005	.0021104	.0113881
st_IN	.005769	.0043358	1.33	0.189	-.0029354	.0144735
st_KS	.0018523	.0039168	0.47	0.638	-.006011	.0097156
st_KY	.0018594	.0028069	0.66	0.511	-.0037757	.0074945
st_LA	.0131329	.0027845	4.72	0.000	.0075428	.0187229
st_MA	.0062033	.0039454	1.57	0.122	-.0017174	.014124
st_MD	.0077489	.0060903	1.27	0.209	-.0044779	.0199757
st_ME	.0180709	.0056019	3.23	0.002	.0068246	.0293172
st_MI	.0110905	.0013429	8.26	0.000	.0083946	.0137863
st_MN	.0095455	.0055545	1.72	0.092	-.0016056	.0206967
st_MO	.0087853	.0038688	2.27	0.027	.0010183	.0165523
st_MS	.00703	.0024228	2.90	0.005	.002166	.0118939
st_MT	-.0002159	.006183	-0.03	0.972	-.0126288	.0121971
st_NC	.0057451	.0039947	1.44	0.156	-.0022746	.0137648
st_ND	.0053018	.0073524	0.72	0.474	-.0094588	.0200624
st_NE	.015215	.0067226	2.26	0.028	.0017187	.0287113
st_NH	.003568	.0059388	0.60	0.551	-.0083546	.0154905
st_NJ	.0037557	.0034396	1.09	0.280	-.0031495	.0106609
st_NM	.0035612	.0032013	1.11	0.271	-.0028657	.0099882
st_NV	.0071655	.0042362	1.69	0.097	-.0013391	.01567
st_NY	.0157374	.0029863	5.27	0.000	.0097421	.0217327
st_OH	.0180143	.0031391	5.74	0.000	.0117124	.0243163
st_OK	.0218773	.0042703	5.12	0.000	.0133044	.0304502
st_OR	.0198842	.0010713	18.56	0.000	.0177335	.0220349
st_PA	.0127857	.0042332	3.02	0.004	.0042871	.0212842
st_PR	.0110172	.0058249	1.89	0.064	-.0006768	.0227113
st_RI	.0074417	.0044427	1.68	0.100	-.0014774	.0163608
st_SC	-.0069309	.0019959	-3.47	0.001	-.0109378	-.0029241
st_SD	.0161772	.0075723	2.14	0.037	.0009752	.0313792
st_TN	.0134393	.0038891	3.46	0.001	.0056316	.021247

st_TX	.0104691	.0032601	3.21	0.002	.0039242	.017014
st_UT	.0183427	.0048253	3.80	0.000	.0086556	.0280298
st_VA	.0081263	.0065229	1.25	0.219	-.0049689	.0212215
st_VT	-.0003797	.0064472	-0.06	0.953	-.013323	.0125637
st_WA	.0160013	.0029408	5.44	0.000	.0100974	.0219053
st_WI	.0097042	.0042848	2.26	0.028	.001102	.0183063
st_WV	.0107222	.0045963	2.33	0.024	.0014948	.0199495
st_WY	.0124126	.0067049	1.85	0.070	-.0010482	.0258733
tsd_unemp_mean	-.000999	.0017885	-0.56	0.579	-.0045895	.0025915
tsd_unemp_cng	.000708	.0009992	0.71	0.482	-.0012979	.002714
pial	7.06e-06	3.30e-06	2.14	0.037	4.35e-07	.0000137
pia_miss	.0023564	.0035194	0.67	0.506	-.004709	.0094218
ime1	-1.47e-06	1.01e-06	-1.46	0.150	-3.49e-06	5.51e-07
ime_miss	-.0035074	.0012207	-2.87	0.006	-.005958	-.0010568
phase2_st	-.0030756	.0026652	-1.15	0.254	-.0084262	.002275
_cons	.4569783	.0182056	25.10	0.000	.420429	.4935276

(1) motoimm = 0

F(1, 51) = 20.97
 Prob > F = 0.0000

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(49, 51) = .
 Prob > F = .
 R-squared = 0.4501
 Root MSE = .14914

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0003853	.0001624	-2.37	0.021	-.0007113 - .0000593
int_motoimm	-.0002732	.0002834	-0.96	0.339	-.0008421 .0002956
male	.001052	.0008163	1.29	0.203	-.0005869 .0026909
gendermiss_flag	.2023566	.116012	1.74	0.087	-.0305472 .4352604
tsd_age	-.0006461	.0001128	-5.73	0.000	-.0008725 -.0004197
doage2	.0000315	.0000728	0.43	0.667	-.0001147 .0001778
doage2miss_flag	-.0208821	.0106582	-1.96	0.056	-.0422794 .0005152
race_a	-.0009674	.002024	-0.48	0.635	-.0050307 .0030959
race_b	.00177	.000953	1.86	0.069	-.0001432 .0036832
race_h	-.0000422	.0015648	-0.03	0.979	-.0031838 .0030993
race_i	-.0054222	.0044147	-1.23	0.225	-.0142851 .0034407
race_o	.0018641	.0031367	0.59	0.555	-.0044332 .0081614
race_mis	-.0016634	.0027429	-0.61	0.547	-.0071699 .0038432
tsd_edu_hs	.0043057	.0008386	5.13	0.000	.0026221 .0059892
tsd_edu_mrhs	.0109665	.0013936	7.87	0.000	.0081687 .0137643
tsd_edu_mis	.0056248	.0010345	5.44	0.000	.0035479 .0077017
tsd_mie_exp	-.0033848	.0020137	-1.68	0.099	-.0074274 .0006578
tsd_mie_mis	-.0029751	.0018368	-1.62	0.111	-.0066625 .0007124
tsd_mie_psbl	-.0024269	.0014232	-1.71	0.094	-.005284 .0004302
tsd_medicare	-.0022534	.0009603	-2.35	0.023	-.0041813 -.0003255
tsd_medicare_miss	-.0068749	.0032505	-2.12	0.039	-.0134005 -.0003493
tsd_depend_1	-.0027455	.0007668	-3.58	0.001	-.004285 -.001206
tsd_depend_2	-.0019862	.0007171	-2.77	0.008	-.0034257 -.0005466
tsd_depend_miss	-.0030527	.0039396	-0.77	0.442	-.0109617 .0048563

tsd_vrpr	-.6601646	.0148048	-44.59	0.000	-.6898866	-.6304427
tsd_vrpr_miss	-.6957836	.0131067	-53.09	0.000	-.7220963	-.6694709
pdcgrou2	-.0031262	.0015131	-2.07	0.044	-.0061639	-.0000886
pdcgrou3	-.0035087	.0015002	-2.34	0.023	-.0065205	-.0004969
pdcgrou4	-.0007046	.0012312	-0.57	0.570	-.0031764	.0017671
pdcgrou5	-.004291	.0049031	-0.88	0.386	-.0141344	.0055523
cohort2000	-.0019348	.0014349	-1.35	0.183	-.0048154	.0009458
cohort2001	-.0032081	.0024036	-1.33	0.188	-.0080335	.0016173
cohort2002	-.0057745	.0037947	-1.52	0.134	-.0133926	.0018436
cohort2003	-.0052967	.0047637	-1.11	0.271	-.0148602	.0042668
cohort2004	-.0294211	.0075701	-3.89	0.000	-.0446187	-.0142235
award_b4_tsd	-.0012624	.0034244	-0.37	0.714	-.0081372	.0056124
diaward_tsd	-.0002354	.0001119	-2.10	0.040	-.00046	-.0000109
epeb4twp_flag	-.128479	.0534181	-2.41	0.020	-.2357203	-.0212378
ldwb4twp_flag	.0632464	.0443555	1.43	0.160	-.025801	.1522938
ldwb4epe_flag	.0129645	.0154465	0.84	0.405	-.0180458	.0439747
twpb4tsd	.0036061	.0019709	1.83	0.073	-.0003506	.0075627
epeb4tsd	.0023737	.0019464	1.22	0.228	-.001534	.0062813
ldwb4tsd	-.009046	.003047	-2.97	0.005	-.0151631	-.002929
st_AL	-.0038724	.0041507	-0.93	0.355	-.0122053	.0044604
st_AR	-.0071272	.0032648	-2.18	0.034	-.0136816	-.0005728
st_AZ	.0083701	.0034967	2.39	0.020	.0013502	.0153899
st_CA	-.0026388	.003052	-0.86	0.391	-.008766	.0034884
st_CO	.0096974	.002902	3.34	0.002	.0038715	.0155234
st_CT	-.0040714	.0037826	-1.08	0.287	-.0116652	.0035224
st_DC	-.0183015	.0013108	-13.96	0.000	-.020933	-.01567
st_DE	-.0083155	.0056574	-1.47	0.148	-.0196731	.0030422
st_FL	-.0061686	.0041644	-1.48	0.145	-.014529	.0021918
st_GA	-.0098457	.0048337	-2.04	0.047	-.0195497	-.0001416
st_HI	-.0322775	.0073065	-4.42	0.000	-.0469459	-.0176091
st_IA	-.011741	.0051379	-2.29	0.026	-.0220558	-.0014263
st_ID	-.0055557	.0048531	-1.14	0.258	-.0152986	.0041872
st_IL	.0016235	.0020154	0.81	0.424	-.0024226	.0056695
st_IN	-.0117206	.0039461	-2.97	0.005	-.0196428	-.0037985
st_KS	-.0070866	.0035114	-2.02	0.049	-.014136	-.0000372
st_KY	-.0113658	.0025973	-4.38	0.000	-.0165801	-.0061515
st_LA	.0016396	.0024733	0.66	0.510	-.0033258	.0066049
st_MA	-.0117388	.0032491	-3.61	0.001	-.0182617	-.005216
st_MD	-.0126035	.0051259	-2.46	0.017	-.0228941	-.0023128
st_ME	-.0049272	.0047896	-1.03	0.308	-.0145427	.0046883
st_MI	.0026739	.001294	2.07	0.044	.0000761	.0052717
st_MN	-.0102075	.0048981	-2.08	0.042	-.0200408	-.0003741
st_MO	-.0068305	.0035102	-1.95	0.057	-.0138774	.0002165
st_MS	-.0057601	.0021923	-2.63	0.011	-.0101614	-.0013588
st_MT	-.0154398	.0056365	-2.74	0.008	-.0267556	-.0041239
st_NC	-.0170296	.0036039	-4.73	0.000	-.0242646	-.0097945
st_ND	-.0324667	.0068293	-4.75	0.000	-.0461771	-.0187562
st_NE	-.0088918	.005647	-1.57	0.122	-.0202286	.0024451
st_NH	-.0185045	.0054201	-3.41	0.001	-.0293858	-.0076231
st_NJ	-.0124027	.0030141	-4.11	0.000	-.0184539	-.0063516
st_NM	-.0167032	.0027985	-5.97	0.000	-.0223214	-.011085
st_NV	-.0125897	.0037149	-3.39	0.001	-.0200477	-.0051318
st_NY	.007234	.0025526	2.83	0.007	.0021095	.0123584
st_OH	.0002722	.0029589	0.09	0.927	-.0056681	.0062125
st_OK	.0227446	.0036398	6.25	0.000	.0154375	.0300517
st_OR	.0090656	.0017612	5.15	0.000	.0055299	.0126013
st_PA	-.0075387	.0037383	-2.02	0.049	-.0150437	-.0000338
st_PR	.0048377	.0064592	0.75	0.457	-.0081297	.0178051
st_RI	-.0182694	.0041201	-4.43	0.000	-.0265407	-.0099998
st_SC	-.013706	.0017231	-7.95	0.000	-.0171652	-.0102468
st_SD	.014741	.0069518	2.12	0.039	.0007847	.0286972
st_TN	.0030371	.0035609	0.85	0.398	-.0041118	.0101859
st_TX	-.0097871	.0031198	-3.14	0.003	-.0160504	-.0035238

st_UT	.0037994	.004324	0.88	0.384	-.0048814	.0124803
st_VA	-.0113627	.0059234	-1.92	0.061	-.0232545	.0005291
st_VT	-.039466	.005475	-7.21	0.000	-.0504575	-.0284746
st_WA	-.001513	.0029738	-0.51	0.613	-.0074831	.0044571
st_WI	.0050563	.0036673	1.38	0.174	-.0023061	.0124187
st_WV	-.0112948	.0040125	-2.81	0.007	-.0193502	-.0032393
st_WY	-.020378	.0057734	-3.53	0.001	-.0319685	-.0087875
tsd_unemp_mean	-.0045244	.0016473	-2.75	0.008	-.0078315	-.0012172
tsd_unemp_cng	-.0026055	.0010149	-2.57	0.013	-.004643	-.0005679
pial	4.96e-06	4.88e-06	1.02	0.315	-4.85e-06	.0000148
pia_miss	-.0011508	.0057979	-0.20	0.843	-.0127905	.0104889
ime1	-1.10e-06	1.26e-06	-0.87	0.388	-3.63e-06	1.43e-06
ime_miss	-.00226	.0019359	-1.17	0.248	-.0061464	.0016265
phase2_st	-.0061003	.0027571	-2.21	0.031	-.0116354	-.0005652
_cons	.7711802	.0151125	51.03	0.000	.7408406	.8015197

(1) motoimm = 0

F(1, 51) = 5.63
 Prob > F = 0.0215

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(49, 51) = .
 Prob > F = .
 R-squared = 0.5558
 Root MSE = .15069

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0001921	.0001704	-1.13	0.265	-.0005343 .00015
int_motoimm	-.0001574	.0002753	-0.57	0.570	-.0007101 .0003953
male	.000931	.0007608	1.22	0.227	-.0005963 .0024584
gendermiss_flag	.1681261	.120384	1.40	0.169	-.0735548 .4098071
tsd_age	-.000714	.0001104	-6.46	0.000	-.0009357 -.0004923
doage2	-3.73e-06	.0000636	-0.06	0.953	-.0001315 .000124
doage2miss_flag	-.0287788	.0120591	-2.39	0.021	-.0529886 -.0045691
race_a	-.0013129	.0022451	-0.58	0.561	-.0058202 .0031943
race_b	.0025554	.0010361	2.47	0.017	.0004754 .0046354
race_h	-.0006123	.0017501	-0.35	0.728	-.0041258 .0029013
race_i	-.0045294	.0037376	-1.21	0.231	-.0120329 .0029741
race_o	.0003969	.0030726	0.13	0.898	-.0057717 .0065655
race_mis	-.0026868	.0032802	-0.82	0.417	-.0092722 .0038986
tsd_edu_hs	.00637	.0009809	6.49	0.000	.0044008 .0083392
tsd_edu_mrhs	.0139075	.001649	8.43	0.000	.010597 .0172181
tsd_edu_mis	.0070489	.0011547	6.10	0.000	.0047309 .009367
tsd_mie_exp	-.0045737	.0023756	-1.93	0.060	-.0093428 .0001955
tsd_mie_mis	-.0034127	.0015512	-2.20	0.032	-.0065268 -.0002986
tsd_mie_psbl	-.0036309	.001194	-3.04	0.004	-.006028 -.0012337
tsd_medicare	-.0023852	.0010979	-2.17	0.034	-.0045894 -.000181
tsd_medicare_miss	-.0057859	.0033703	-1.72	0.092	-.012552 .0009803
tsd_depend_1	-.003176	.0008172	-3.89	0.000	-.0048165 -.0015354
tsd_depend_2	-.0026499	.0008599	-3.08	0.003	-.0043762 -.0009235
tsd_depend_miss	-.0099599	.0040695	-2.45	0.018	-.0181298 -.0017901
tsd_vrpr	-.8237237	.0130467	-63.14	0.000	-.849916 -.7975315

tsd_vrpr_miss	-.8688321	.0103695	-83.79	0.000	-.8896497	-.8480145
pdcgroup2	-.0038534	.0014028	-2.75	0.008	-.0066696	-.0010372
pdcgroup3	-.0026102	.0013934	-1.87	0.067	-.0054076	.0001872
pdcgroup4	.0005841	.0012129	0.48	0.632	-.001851	.0030191
pdcgroup5	-.0184288	.0048159	-3.83	0.000	-.0280972	-.0087604
cohort2000	-.0019794	.0012199	-1.62	0.111	-.0044285	.0004697
cohort2001	-.0025391	.0021384	-1.19	0.241	-.0068321	.0017538
cohort2002	-.0049227	.0032643	-1.51	0.138	-.011476	.0016307
cohort2003	-.0052469	.0044823	-1.17	0.247	-.0142455	.0037516
cohort2004	-.026603	.0067204	-3.96	0.000	-.0400947	-.0131112
award_b4_tsd	.001913	.0042085	0.45	0.651	-.006536	.0103619
diaward_tsd	-.0002955	.0001022	-2.89	0.006	-.0005007	-.0000904
epeb4twp_flag	-.172353	.0638605	-2.70	0.009	-.3005583	-.0441476
ldwb4twp_flag	.0891307	.0466669	1.91	0.062	-.004557	.1828184
ldwb4epe_flag	.030768	.0138113	2.23	0.030	.0030406	.0584953
twpb4tsd	.0038418	.0017702	2.17	0.035	.000288	.0073955
epeb4tsd	.0087068	.0019836	4.39	0.000	.0047246	.012689
ldwb4tsd	-.0149904	.0027867	-5.38	0.000	-.0205849	-.009396
st_AL	-.0047911	.0042612	-1.12	0.266	-.0133458	.0037637
st_AR	-.0039845	.0035425	-1.12	0.266	-.0110965	.0031275
st_AZ	.0152576	.0037855	4.03	0.000	.0076579	.0228573
st_CA	-.0039172	.0027731	-1.41	0.164	-.0094844	.00165
st_CO	.0141148	.0030557	4.62	0.000	.0079802	.0202494
st_CT	.002516	.0043073	0.58	0.562	-.0061314	.0111633
st_DC	-.017605	.001438	-12.24	0.000	-.0204918	-.0147181
st_DE	-.0083723	.0066028	-1.27	0.211	-.021628	.0048834
st_FL	.0027021	.0046107	0.59	0.560	-.0065543	.0119586
st_GA	-.0043044	.0056113	-0.77	0.447	-.0155695	.0069608
st_HI	-.0310795	.007864	-3.95	0.000	-.0468673	-.0152918
st_IA	.0091142	.0057418	1.59	0.119	-.002413	.0206414
st_ID	-.0066778	.0054049	-1.24	0.222	-.0175286	.0041729
st_IL	.0119909	.0018718	6.41	0.000	.008233	.0157487
st_IN	-.0077622	.0044929	-1.73	0.090	-.0167821	.0012576
st_KS	-.0016146	.0039705	-0.41	0.686	-.0095858	.0063565
st_KY	-.0085518	.0027423	-3.12	0.003	-.0140572	-.0030465
st_LA	.0054874	.0027051	2.03	0.048	.0000567	.010918
st_MA	.004656	.0035116	1.33	0.191	-.0023939	.0117058
st_MD	-.0104885	.0055581	-1.89	0.065	-.0216468	.0006697
st_ME	-.008861	.0051116	-1.73	0.089	-.0191229	.0014009
st_MI	.00634	.0012059	5.26	0.000	.0039191	.008761
st_MN	-.0067066	.0053214	-1.26	0.213	-.0173898	.0039765
st_MO	.004573	.0040146	1.14	0.260	-.0034866	.0126326
st_MS	-.0032732	.00231	-1.42	0.163	-.0079107	.0013644
st_MT	-.0078988	.0067708	-1.17	0.249	-.0214918	.0056942
st_NC	-.023814	.0036268	-6.57	0.000	-.0310951	-.0165328
st_ND	-.0253168	.0082863	-3.06	0.004	-.0419524	-.0086813
st_NE	-.0038443	.006268	-0.61	0.542	-.0164279	.0087393
st_NH	-.0191937	.0062904	-3.05	0.004	-.0318222	-.0065651
st_NJ	-.0130515	.003488	-3.74	0.000	-.020054	-.006049
st_NM	-.0177022	.0032419	-5.46	0.000	-.0242106	-.0111939
st_NV	-.0122804	.0042962	-2.86	0.006	-.0209054	-.0036554
st_NY	.0120694	.002566	4.70	0.000	.0069179	.0172209
st_OH	-.0022985	.0028655	-0.80	0.426	-.0080512	.0034542
st_OK	.030189	.0039988	7.55	0.000	.0221611	.038217
st_OR	.0044432	.0017974	2.47	0.017	.0008347	.0080517
st_PA	-.0110739	.0037853	-2.93	0.005	-.0186732	-.0034746
st_PR	-.0061202	.0074244	-0.82	0.414	-.0210253	.0087849
st_RI	-.0239231	.0042222	-5.67	0.000	-.0323996	-.0154466
st_SC	-.0056427	.0015645	-3.61	0.001	-.0087835	-.0025019
st_SD	.0425575	.0081993	5.19	0.000	.0260967	.0590183
st_TN	.0104308	.0038619	2.70	0.009	.0026776	.018184
st_TX	-.0136746	.0030382	-4.50	0.000	-.0197742	-.0075751
st_UT	.0072207	.0047045	1.53	0.131	-.0022241	.0166654

st_VA	-.0063812	.0068399	-0.93	0.355	-.0201128	.0073505
st_VT	-.027941	.0063659	-4.39	0.000	-.0407211	-.015161
st_WA	-.009861	.0028226	-3.49	0.001	-.0155276	-.0041944
st_WI	.0179839	.0041531	4.33	0.000	.0096463	.0263215
st_WV	-.0185998	.004083	-4.56	0.000	-.0267967	-.0104029
st_WY	-.0257404	.0065337	-3.94	0.000	-.0388573	-.0126235
tsd_unemp_mean	-.0027844	.0019554	-1.42	0.161	-.0067101	.0011413
tsd_unemp_cng	-.0022918	.0009281	-2.47	0.017	-.0041551	-.0004285
pial	-4.11e-06	5.17e-06	-0.80	0.430	-.0000145	6.27e-06
pia_miss	.0010565	.0060545	0.17	0.862	-.0110984	.0132113
ime1	8.49e-07	1.34e-06	0.64	0.528	-1.83e-06	3.53e-06
ime_miss	-.0014597	.0020441	-0.71	0.478	-.0055634	.002644
phase2_st	-.0140275	.0030176	-4.65	0.000	-.0200855	-.0079695
_cons	.9454947	.0164274	57.56	0.000	.9125154	.978474

(1) motoimm = 0

F(1, 51) = 1.27
 Prob > F = 0.2649

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(49, 51) = .
 Prob > F = .
 R-squared = 0.5822
 Root MSE = .155

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0001547	.0001461	-1.06	0.295	-.0004481	.0001387
int_motoimm	-.0001703	.0002734	-0.62	0.536	-.0007191	.0003785
male	.0006664	.0008539	0.78	0.439	-.001048	.0023807
gendermiss_flag	.1533442	.1244513	1.23	0.224	-.0965021	.4031905
tsd_age	-.0006831	.0001307	-5.23	0.000	-.0009456	-.0004206
doage2	-.0001389	.0000825	-1.68	0.098	-.0003046	.0000267
doage2miss_flag	-.0329013	.0175572	-1.87	0.067	-.0681489	.0023462
race_a	-.0026724	.0032401	-0.82	0.413	-.0091772	.0038325
race_b	.0026329	.0011104	2.37	0.022	.0004038	.0048621
race_h	-.0008239	.001719	-0.48	0.634	-.0042749	.0026272
race_i	.0002346	.0045496	0.05	0.959	-.0088991	.0093682
race_o	-.0019735	.003076	-0.64	0.524	-.0081488	.0042018
race_mis	-.0045113	.0039714	-1.14	0.261	-.0124842	.0034617
tsd_edu_hs	.007497	.0009981	7.51	0.000	.0054932	.0095008
tsd_edu_mrhs	.0163578	.0019361	8.45	0.000	.0124709	.0202447
tsd_edu_mis	.007914	.0013639	5.80	0.000	.0051759	.010652
tsd_mie_exp	-.0041027	.0023818	-1.72	0.091	-.0088845	.000679
tsd_mie_mis	-.0034292	.001757	-1.95	0.056	-.0069565	.0000982
tsd_mie_psbl	-.0038253	.0013774	-2.78	0.008	-.0065905	-.00106
tsd_medicare	-.0042883	.0011432	-3.75	0.000	-.0065833	-.0019932
tsd_medicare_miss	-.0066842	.0032876	-2.03	0.047	-.0132843	-.0000841
tsd_depend_1	-.002994	.0009074	-3.30	0.002	-.0048157	-.0011723
tsd_depend_2	-.0027229	.0007406	-3.68	0.001	-.0042097	-.0012361
tsd_depend_miss	-.0106128	.0041788	-2.54	0.014	-.0190021	-.0022234
tsd_vrpr	-.890001	.0071667	-124.19	0.000	-.9043888	-.8756132
tsd_vrpr_miss	-.9421219	.0037351	-252.23	0.000	-.9496204	-.9346233

pdcgrou2	-.0038168	.0013745	-2.78	0.008	-.0065762	-.0010574
pdcgrou3	-.0033113	.0016895	-1.96	0.055	-.006703	.0000805
pdcgrou4	-.0006243	.0012425	-0.50	0.618	-.0031187	.0018702
pdcgrou5	-.0262151	.0054441	-4.82	0.000	-.0371446	-.0152856
cohort2000	-.0001086	.0013725	-0.08	0.937	-.0028641	.0026469
cohort2001	-.0004671	.0022829	-0.20	0.839	-.0050502	.0041159
cohort2002	-.0020323	.0031958	-0.64	0.528	-.0084481	.0043836
cohort2003	-.0033953	.0042021	-0.81	0.423	-.0118314	.0050408
cohort2004	-.0258808	.0065278	-3.96	0.000	-.038986	-.0127756
award_b4_tsd	.0002776	.0045734	0.06	0.952	-.008904	.0094592
diaward_tsd	-.0002895	.0001024	-2.83	0.007	-.000495	-.000084
epeb4twp_flag	-.0672419	.0222226	-3.03	0.004	-.1118555	-.0226283
ldwb4twp_flag	.0539758	.0413089	1.31	0.197	-.0289553	.136907
ldwb4epe_flag	.0298171	.0136294	2.19	0.033	.002455	.0571792
twpb4tsd	.0031507	.0015543	2.03	0.048	.0000304	.0062711
epeb4tsd	.0111796	.0021714	5.15	0.000	.0068204	.0155389
ldwb4tsd	-.0170391	.0025401	-6.71	0.000	-.0221386	-.0119396
st_AL	-.0062381	.0034887	-1.79	0.080	-.0132421	.0007658
st_AR	-.0052269	.0027614	-1.89	0.064	-.0107707	.0003169
st_AZ	.0154204	.0030417	5.07	0.000	.0093138	.0215269
st_CA	-.0036403	.0025785	-1.41	0.164	-.0088169	.0015363
st_CO	.0150649	.0023676	6.36	0.000	.0103118	.019818
st_CT	.0026509	.0033995	0.78	0.439	-.0041739	.0094757
st_DC	-.0178263	.0012006	-14.85	0.000	-.0202365	-.0154161
st_DE	.0156455	.0053508	2.92	0.005	.0049033	.0263877
st_FL	.009539	.0036436	2.62	0.012	.0022242	.0168538
st_GA	-.0037821	.0044361	-0.85	0.398	-.0126878	.0051237
st_HI	-.0342807	.0065739	-5.21	0.000	-.0474784	-.0210829
st_IA	.0103363	.0045716	2.26	0.028	.0011584	.0195143
st_ID	-.010537	.0044329	-2.38	0.021	-.0194363	-.0016377
st_IL	.0226607	.0016171	14.01	0.000	.0194143	.0259071
st_IN	-.0057279	.0036224	-1.58	0.120	-.0130002	.0015443
st_KS	.0014516	.0031995	0.45	0.652	-.0049717	.0078748
st_KY	-.0073076	.0021169	-3.45	0.001	-.0115573	-.0030578
st_LA	.008039	.0021107	3.81	0.000	.0038016	.0122765
st_MA	.0081418	.00276	2.95	0.005	.0026009	.0136828
st_MD	-.0143652	.0045154	-3.18	0.002	-.0234303	-.0053002
st_ME	-.0121161	.0041601	-2.91	0.005	-.020468	-.0037643
st_MI	.0106805	.0010088	10.59	0.000	.0086554	.0127057
st_MN	-.0040512	.0044271	-0.92	0.364	-.0129389	.0048366
st_MO	.0071833	.0031978	2.25	0.029	.0007635	.0136032
st_MS	-.0027159	.0018425	-1.47	0.147	-.0064149	.0009831
st_MT	-.0097	.0056672	-1.71	0.093	-.0210773	.0016773
st_NC	-.0273592	.0030175	-9.07	0.000	-.0334171	-.0213012
st_ND	-.0340651	.0070721	-4.82	0.000	-.048263	-.0198671
st_NE	-.0022182	.00518	-0.43	0.670	-.0126174	.008181
st_NH	-.0206036	.0051572	-4.00	0.000	-.0309572	-.01025
st_NJ	-.0168054	.0027471	-6.12	0.000	-.0223205	-.0112904
st_NM	-.0169026	.0028115	-6.01	0.000	-.022547	-.0112581
st_NV	-.0059905	.0034971	-1.71	0.093	-.0130113	.0010303
st_NY	.0142798	.0020339	7.02	0.000	.0101967	.018363
st_OH	-.0016737	.0025006	-0.67	0.506	-.0066938	.0033463
st_OK	.0318785	.0031544	10.11	0.000	.0255457	.0382113
st_OR	.0170342	.0020133	8.46	0.000	.0129923	.021076
st_PA	-.0125956	.0031465	-4.00	0.000	-.0189125	-.0062788
st_PR	-.0071698	.0070031	-1.02	0.311	-.0212292	.0068896
st_RI	-.0251517	.0033112	-7.60	0.000	-.0317992	-.0185041
st_SC	-.0036505	.0015002	-2.43	0.019	-.0066623	-.0006386
st_SD	.0409302	.0069518	5.89	0.000	.0269739	.0548864
st_TN	.0122413	.0030056	4.07	0.000	.0062073	.0182752
st_TX	-.0150047	.0027388	-5.48	0.000	-.0205031	-.0095064
st_UT	.0108144	.0038997	2.77	0.008	.0029855	.0186434
st_VA	-.0017955	.0055528	-0.32	0.748	-.0129433	.0093523

st_VT	.044666	.0051429	8.68	0.000	.0343412	.0549908
st_WA	-.0136744	.0025624	-5.34	0.000	-.0188186	-.0085302
st_WI	.0363092	.0032497	11.17	0.000	.0297851	.0428333
st_WV	-.0204689	.0033421	-6.12	0.000	-.0271786	-.0137593
st_WY	-.0247666	.0054387	-4.55	0.000	-.0356852	-.0138479
tsd_unemp_mean	-.0026264	.0016885	-1.56	0.126	-.0060162	.0007634
tsd_unemp_cng	-.0020374	.0009873	-2.06	0.044	-.0040195	-.0000553
pial	-.0000104	4.92e-06	-2.12	0.039	-.0000203	-5.33e-07
pia_miss	-.0065882	.0050569	-1.30	0.198	-.0167404	.003564
ime1	2.17e-06	1.19e-06	1.83	0.074	-2.16e-07	4.56e-06
ime_miss	.0014592	.0018063	0.81	0.423	-.002167	.0050855
phase2_st	-.0132974	.0026938	-4.94	0.000	-.0187055	-.0078894
_cons	1.024971	.0135821	75.46	0.000	.9977042	1.052239

(1) motoimm = 0

F(1, 51) = 1.12
 Prob > F = 0.2947

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(49, 51) = .
 Prob > F = .
 R-squared = 0.4147
 Root MSE = 1.0797

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0007625	.0010493	0.73	0.471	-.0013439	.002869
int_motoimm	.0008414	.0018245	0.46	0.647	-.0028214	.0045043
male	.0087418	.004504	1.94	0.058	-.0003003	.017784
gendermiss_flag	-.0549751	.0294471	-1.87	0.068	-.1140926	.0041423
tsd_age	-.0034768	.0006645	-5.23	0.000	-.0048109	-.0021427
doage2	.0005794	.0004922	1.18	0.245	-.0004087	.0015674
doage2miss_flag	1.744209	1.183359	1.47	0.147	-.631483	4.119901
race_a	-.0172252	.0179714	-0.96	0.342	-.0533044	.0188539
race_b	.0265582	.0075924	3.50	0.001	.0113159	.0418005
race_h	.0490198	.0142213	3.45	0.001	.0204692	.0775703
race_i	.0448407	.0352787	1.27	0.209	-.0259842	.1156656
race_o	-.0006542	.0331404	-0.02	0.984	-.0671863	.065878
race_mis	.0452118	.0208999	2.16	0.035	.0032536	.08717
tsd_edu_hs	.0150096	.0055951	2.68	0.010	.0037769	.0262423
tsd_edu_mrhs	.0425191	.0071369	5.96	0.000	.0281911	.056847
tsd_edu_mis	.0321269	.0057917	5.55	0.000	.0204995	.0437543
tsd_mie_exp	.0127538	.0136509	0.93	0.355	-.0146516	.0401591
tsd_mie_mis	-.0064846	.008918	-0.73	0.470	-.0243882	.011419
tsd_mie_psbl	-.0065105	.0066827	-0.97	0.335	-.0199265	.0069055
tsd_medicare	-.0276317	.0106197	-2.60	0.012	-.0489515	-.0063118
tsd_medicare_miss	-.0005899	.0127219	-0.05	0.963	-.0261303	.0249504
tsd_depend_1	-.0280084	.0052715	-5.31	0.000	-.0385914	-.0174254
tsd_depend_2	-.0175515	.0063487	-2.76	0.008	-.030297	-.004806
tsd_depend_miss	.0606613	.0215057	2.82	0.007	.0174869	.1038357
tsd_vrpr	.0975638	.016597	5.88	0.000	.064244	.1308836
tsd_vrpr_miss	.127603	.0142564	8.95	0.000	.0989821	.1562239
pdcgrou2	-.0050517	.0058088	-0.87	0.389	-.0167132	.0066099

pdcgrou3	.0357622	.0063261	5.65	0.000	.023062	.0484624
pdcgrou4	.0372462	.0072016	5.17	0.000	.0227885	.0517039
pdcgrou5	-.0401019	.0523399	-0.77	0.447	-.1451786	.0649748
cohort2000	.018609	.0205591	0.91	0.370	-.022665	.0598831
cohort2001	.0617417	.029891	2.07	0.044	.001733	.1217504
cohort2002	.041332	.0470726	0.88	0.384	-.0531702	.1358343
cohort2003	.0021417	.0462616	0.05	0.963	-.0907323	.0950157
cohort2004	.0778694	.0553627	1.41	0.166	-.0332758	.1890146
award_b4_tsd	-.0096915	.0085229	-1.14	0.261	-.026802	.007419
diaward_tsd	-.0019222	.0007904	-2.43	0.019	-.003509	-.0003354
epeb4twp_flag	.4756757	1.008814	0.47	0.639	-1.549603	2.500955
ldwb4twp_flag	-.8254165	.5820582	-1.42	0.162	-1.993947	.3431141
ldwb4epe_flag	.5209544	.2160183	2.41	0.020	.0872797	.9546292
twpb4tsd	.8514294	.0508899	16.73	0.000	.7492637	.9535951
epeb4tsd	.5156002	.0454262	11.35	0.000	.4244034	.606797
ldwb4tsd	5.21294	.1104019	47.22	0.000	4.991299	5.434581
st_AL	.1822632	.0318251	5.73	0.000	.1183716	.2461548
st_AR	.0354868	.024997	1.42	0.162	-.0146967	.0856703
st_AZ	-.0236831	.0281241	-0.84	0.404	-.0801446	.0327784
st_CA	.202121	.0180353	11.21	0.000	.1659135	.2383285
st_CO	.0306529	.0227964	1.34	0.185	-.0151127	.0764186
st_CT	.0559014	.0294904	1.90	0.064	-.0033031	.1151058
st_DC	.1475134	.0094797	15.56	0.000	.128482	.1665447
st_DE	-.0312011	.047931	-0.65	0.518	-.1274266	.0650244
st_FL	.023918	.0335903	0.71	0.480	-.0435174	.0913533
st_GA	.0973399	.0386784	2.52	0.015	.0196899	.17499
st_HI	.2272165	.0536868	4.23	0.000	.1194359	.3349972
st_IA	-.0111542	.0404517	-0.28	0.784	-.0923644	.070056
st_ID	.2065109	.0369657	5.59	0.000	.1322992	.2807226
st_IL	-.0017507	.0147076	-0.12	0.906	-.0312774	.0277761
st_IN	.0515724	.0312247	1.65	0.105	-.0111138	.1142585
st_KS	.03243	.0279044	1.16	0.251	-.0235903	.0884504
st_KY	.0378463	.0198423	1.91	0.062	-.0019889	.0776814
st_LA	.0602938	.0197271	3.06	0.004	.02069	.0998976
st_MA	-.0179201	.0262573	-0.68	0.498	-.0706339	.0347937
st_MD	.263935	.0398308	6.63	0.000	.1839714	.3438987
st_ME	.1787594	.0367	4.87	0.000	.1050811	.2524376
st_MI	.0498374	.0085089	5.86	0.000	.032755	.0669198
st_MN	.1355274	.0358154	3.78	0.000	.063625	.2074298
st_MO	.0385514	.0280464	1.37	0.175	-.017754	.0948568
st_MS	.0635025	.0170812	3.72	0.001	.0292105	.0977945
st_MT	.1191019	.0460534	2.59	0.013	.0266459	.2115579
st_NC	.1574382	.0261659	6.02	0.000	.1049079	.2099685
st_ND	.0233455	.0550602	0.42	0.673	-.0871925	.1338836
st_NE	.1157183	.0448336	2.58	0.013	.0257111	.2057255
st_NH	.0449075	.0431005	1.04	0.302	-.0416202	.1314353
st_NJ	.0607046	.0246183	2.47	0.017	.0112813	.1101279
st_NM	.1380325	.0231086	5.97	0.000	.0916401	.1844249
st_NV	.0175575	.030278	0.58	0.565	-.0432281	.0783432
st_NY	-.0019523	.0191276	-0.10	0.919	-.0403525	.0364479
st_OH	.1447931	.0198794	7.28	0.000	.1048835	.1847028
st_OK	.0986982	.0294262	3.35	0.002	.0396226	.1577738
st_OR	-.0666742	.0114106	-5.84	0.000	-.089582	-.0437664
st_PA	.2007953	.0267072	7.52	0.000	.1471783	.2544123
st_PR	.1157435	.0500237	2.31	0.025	.0153168	.2161702
st_RI	.2465132	.0285417	8.64	0.000	.1892134	.303813
st_SC	.0510402	.013288	3.84	0.000	.0243635	.0777169
st_SD	.0698957	.0553907	1.26	0.213	-.0413058	.1810972
st_TN	.0555296	.0273202	2.03	0.047	.000682	.1103771
st_TX	.197995	.0202681	9.77	0.000	.1573051	.2386848
st_UT	.1627841	.0316335	5.15	0.000	.0992771	.2262911
st_VA	.0806635	.0476384	1.69	0.097	-.0149747	.1763017
st_VT	.0131399	.0448616	0.29	0.771	-.0769235	.1032034

st_WA	.1677551	.0192691	8.71	0.000	.1290708	.2064395
st_WI	-.0054223	.0293451	-0.18	0.854	-.064335	.0534905
st_WV	.1939988	.0301111	6.44	0.000	.1335482	.2544493
st_WY	.2777159	.0449372	6.18	0.000	.1875007	.3679311
tsd_unemp_mean	.0098937	.0135012	0.73	0.467	-.0172111	.0369985
tsd_unemp_cng	.006649	.0073029	0.91	0.367	-.0080121	.0213102
pial	.000047	.0000381	1.23	0.223	-.0000295	.0001235
pia_miss	-.0763905	.0433199	-1.76	0.084	-.1633587	.0105778
ime1	9.10e-06	.0000135	0.67	0.504	-.0000181	.0000363
ime_miss	.009158	.0215524	0.42	0.673	-.0341103	.0524262
phase2_st	.121994	.021119	5.78	0.000	.0795959	.1643922
_cons	-.2899176	.1145554	-2.53	0.015	-.5198973	-.059938

(1) motoimm = 0

F(1, 51) = 0.53
 Prob > F = 0.4707

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(49, 51) = .
 Prob > F = .
 R-squared = 0.3534
 Root MSE = 2.4555

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0030853	.0028685	1.08	0.287	-.0026734	.008844
int_motoimm	-.0003108	.0048385	-0.06	0.949	-.0100245	.0094029
male	.0553409	.0104003	5.32	0.000	.0344614	.0762204
gendermiss_flag	-.2328763	.0695507	-3.35	0.002	-.3725052	-.0932474
tsd_age	-.0123159	.0016363	-7.53	0.000	-.0156009	-.009031
doage2	.0004539	.0010967	0.41	0.681	-.0017479	.0026557
doage2miss_flag	3.473395	2.469257	1.41	0.166	-1.483845	8.430635
race_a	.0093827	.0520503	0.18	0.858	-.0951127	.1138781
race_b	.0759322	.0196724	3.86	0.000	.0364382	.1154261
race_h	.118525	.0285009	4.16	0.000	.0613071	.1757429
race_i	.0567958	.0725024	0.78	0.437	-.0887588	.2023505
race_o	.1013331	.0645243	1.57	0.122	-.0282049	.2308711
race_mis	.1042079	.0509455	2.05	0.046	.0019307	.2064852
tsd_edu_hs	.0575595	.0127253	4.52	0.000	.0320124	.0831065
tsd_edu_mrhs	.1732893	.0178711	9.70	0.000	.1374116	.2091669
tsd_edu_mis	.1177507	.0159807	7.37	0.000	.085668	.1498333
tsd_mie_exp	.0219604	.0382248	0.57	0.568	-.0547792	.0987
tsd_mie_mis	-.0279014	.020753	-1.34	0.185	-.0695648	.0137621
tsd_mie_psbl	-.0174414	.0192332	-0.91	0.369	-.0560537	.0211708
tsd_medicare	-.0952466	.0209094	-4.56	0.000	-.137224	-.0532692
tsd_medicare_miss	-.1038987	.0312309	-3.33	0.002	-.1665974	-.0412
tsd_depend_1	-.0893847	.0117622	-7.60	0.000	-.1129983	-.0657711
tsd_depend_2	-.0520011	.0143005	-3.64	0.001	-.0807105	-.0232916
tsd_depend_miss	.1263021	.0369708	3.42	0.001	.0520801	.2005241
tsd_vrpr	.2795909	.0420615	6.65	0.000	.1951489	.3640328
tsd_vrpr_miss	.2891761	.0312807	9.24	0.000	.2263775	.3519746
pdcgrou2	-.0405975	.0144296	-2.81	0.007	-.0695661	-.011629
pdcgrou3	.110024	.0131769	8.35	0.000	.0835702	.1364777

pdcgrou4	.1040188	.0167835	6.20	0.000	.0703245	.1377132
pdcgrou5	-.0340268	.1218172	-0.28	0.781	-.2785851	.2105315
cohort2000	.028407	.0467951	0.61	0.547	-.0655381	.1223521
cohort2001	.119945	.0578866	2.07	0.043	.0037329	.2361572
cohort2002	.0700087	.092775	0.75	0.454	-.1162449	.2562622
cohort2003	.0497977	.1022351	0.49	0.628	-.1554478	.2550431
cohort2004	.2117891	.1359205	1.56	0.125	-.0610827	.4846609
award_b4_tsd	-.0001035	.0338384	-0.00	0.998	-.0680369	.06783
diaward_tsd	-.0057738	.0016894	-3.42	0.001	-.0091655	-.0023822
epeb4twp_flag	.1652533	1.780197	0.09	0.926	-3.408642	3.739149
ldwb4twp_flag	-1.419039	1.036848	-1.37	0.177	-3.500598	.66252
ldwb4epe_flag	2.042528	.4661663	4.38	0.000	1.106666	2.978396
twpb4tsd	2.604329	.1379543	18.88	0.000	2.327374	2.881284
epeb4tsd	.8408697	.0841813	9.99	0.000	.6718688	1.009871
ldwb4tsd	9.530497	.2165703	44.01	0.000	9.095714	9.96528
st_AL	.3645475	.0832321	4.38	0.000	.1974521	.5316429
st_AR	-.0046852	.0647652	-0.07	0.943	-.1347068	.1253364
st_AZ	.0133371	.0743855	0.18	0.858	-.135998	.1626722
st_CA	.4774489	.0472311	10.11	0.000	.3826285	.5722693
st_CO	-.0350462	.0595155	-0.59	0.559	-.1545286	.0844363
st_CT	.0772939	.0778059	0.99	0.325	-.0789081	.2334958
st_DC	.3641039	.0232609	15.65	0.000	.3174057	.410802
st_DE	.1065834	.1251026	0.85	0.398	-.1445704	.3577373
st_FL	.0069777	.0890505	0.08	0.938	-.1717985	.185754
st_GA	.1981738	.1007628	1.97	0.055	-.004116	.4004636
st_HI	.4763486	.1468855	3.24	0.002	.1814636	.7712336
st_IA	-.1143152	.1069078	-1.07	0.290	-.3289415	.1003111
st_ID	.4140648	.1012378	4.09	0.000	.2108215	.6173081
st_IL	-.0981483	.0372312	-2.64	0.011	-.1728931	-.0234036
st_IN	.0812994	.0812104	1.00	0.322	-.0817372	.244336
st_KS	.0313902	.0723464	0.43	0.666	-.1138513	.1766317
st_KY	.0141919	.0511975	0.28	0.783	-.0885914	.1169751
st_LA	.1387624	.0505293	2.75	0.008	.0373205	.2402043
st_MA	-.0218557	.0690141	-0.32	0.753	-.1604072	.1166958
st_MD	.5988489	.1058717	5.66	0.000	.3863025	.8113953
st_ME	.3981117	.0972997	4.09	0.000	.2027744	.593449
st_MI	.066089	.0219675	3.01	0.004	.0219875	.1101905
st_MN	.3119141	.096051	3.25	0.002	.1190836	.5047447
st_MO	.0373524	.0729708	0.51	0.611	-.1091426	.1838474
st_MS	.1269984	.0431702	2.94	0.005	.0403306	.2136661
st_MT	.1492353	.1193324	1.25	0.217	-.0903345	.3888052
st_NC	.3094621	.0684739	4.52	0.000	.1719951	.4469291
st_ND	.0027566	.1424659	0.02	0.985	-.2832556	.2887689
st_NE	.2382987	.1195509	1.99	0.052	-.0017098	.4783072
st_NH	.1951822	.1122052	1.74	0.088	-.0300792	.4204436
st_NJ	.1287353	.0637661	2.02	0.049	.0007194	.2567511
st_NM	.256208	.0609811	4.20	0.000	.1337834	.3786327
st_NV	.021169	.0786157	0.27	0.789	-.1366585	.1789966
st_NY	-.042641	.0503773	-0.85	0.401	-.1437777	.0584958
st_OH	.3082268	.0494454	6.23	0.000	.208961	.4074926
st_OK	.0036049	.0772689	0.05	0.963	-.1515189	.1587287
st_OR	-.1150214	.0225974	-5.09	0.000	-.1603876	-.0696552
st_PA	.4314052	.0702239	6.14	0.000	.2904248	.5723856
st_PR	.1970933	.1167507	1.69	0.097	-.0372935	.4314801
st_RI	.5714721	.0789886	7.23	0.000	.4128958	.7300483
st_SC	.0475344	.0316283	1.50	0.139	-.0159619	.1110308
st_SD	.0782098	.1432433	0.55	0.587	-.2093631	.3657828
st_TN	.0722609	.0705365	1.02	0.310	-.0693471	.2138689
st_TX	.4284793	.0528035	8.11	0.000	.3224719	.5344868
st_UT	.3556067	.0836571	4.25	0.000	.1876581	.5235553
st_VA	.1680152	.1233126	1.36	0.179	-.0795452	.4155755
st_VT	-.0452734	.116531	-0.39	0.699	-.2792191	.1886723
st_WA	.4069134	.0478157	8.51	0.000	.3109195	.5029073

st_WI	-.0705574	.0771225	-0.91	0.365	-.2253873	.0842725
st_WV	.4116344	.0783155	5.26	0.000	.2544094	.5688594
st_WY	.5126323	.1201025	4.27	0.000	.2715164	.7537482
tsd_unemp_mean	.0230777	.0349613	0.66	0.512	-.04711	.0932655
tsd_unemp_cng	.0267012	.0229375	1.16	0.250	-.0193478	.0727502
pial	.0000612	.0000748	0.82	0.417	-.0000888	.0002113
pia_miss	-.2588977	.0839966	-3.08	0.003	-.4275279	-.0902676
ime1	.0000554	.0000271	2.04	0.046	9.94e-07	.0001098
ime_miss	.0070219	.0411056	0.17	0.865	-.0755009	.0895447
phase2_st	.2991827	.0427926	6.99	0.000	.213273	.3850924
_cons	-.3753623	.2497957	-1.50	0.139	-.876848	.1261235

(1) motoimm = 0

F(1, 51) = 1.16
 Prob > F = 0.2872

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(49, 51) = .
 Prob > F = .
 R-squared = 0.3034
 Root MSE = 4.0886

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0039529	.0050834	0.78	0.440	-.0062524	.0141583
int_motoimm	-.00221	.0083047	-0.27	0.791	-.0188823	.0144623
male	.1214703	.0187065	6.49	0.000	.0839155	.1590251
gendermiss_flag	-.5843053	.1303269	-4.48	0.000	-.8459476	-.3226631
tsd_age	-.0267632	.0028931	-9.25	0.000	-.0325714	-.020955
doage2	-.0006401	.0017689	-0.36	0.719	-.0041913	.002911
doage2miss_flag	6.31546	4.668285	1.35	0.182	-3.056513	15.68743
race_a	.0630126	.0850807	0.74	0.462	-.107794	.2338193
race_b	.1566468	.0330944	4.73	0.000	.090207	.2230865
race_h	.2066162	.0444874	4.64	0.000	.117304	.2959283
race_i	.0763564	.1121053	0.68	0.499	-.1487043	.3014171
race_o	.2595144	.1101868	2.36	0.022	.0383052	.4807236
race_mis	.1693318	.092021	1.84	0.072	-.0154081	.3540717
tsd_edu_hs	.1180979	.0216558	5.45	0.000	.0746221	.1615736
tsd_edu_mrhs	.3734528	.031765	11.76	0.000	.3096819	.4372237
tsd_edu_mis	.2417389	.0286723	8.43	0.000	.184177	.2993009
tsd_mie_exp	.047931	.0679135	0.71	0.484	-.0884111	.1842731
tsd_mie_mis	-.0690867	.0327407	-2.11	0.040	-.1348164	-.0033569
tsd_mie_psbl	-.0573308	.031218	-1.84	0.072	-.1200035	.0053419
tsd_medicare	-.1725465	.0322198	-5.36	0.000	-.2372304	-.1078626
tsd_medicare_miss	-.271256	.0626383	-4.33	0.000	-.3970076	-.1455044
tsd_depend_1	-.1751907	.0217726	-8.05	0.000	-.2189011	-.1314803
tsd_depend_2	-.0875801	.0240565	-3.64	0.001	-.1358756	-.0392846
tsd_depend_miss	.1329699	.0564028	2.36	0.022	.0197365	.2462033
tsd_vrpr	.4594783	.0642588	7.15	0.000	.3304734	.5884833
tsd_vrpr_miss	.3516824	.0440372	7.99	0.000	.2632739	.4400908
pdcgrou2	-.1175119	.0308122	-3.81	0.000	-.1793699	-.0556538
pdcgrou3	.1926026	.0252262	7.64	0.000	.1419589	.2432463
pdcgrou4	.169015	.0295656	5.72	0.000	.1096596	.2283704

pdgroup5	-.0843579	.1980116	-0.43	0.672	-.4818828	.3131669
cohort2000	.0053355	.0665987	0.08	0.936	-.1283669	.139038
cohort2001	.1165202	.0786594	1.48	0.145	-.0413951	.2744355
cohort2002	.0289615	.1259901	0.23	0.819	-.2239743	.2818973
cohort2003	.0393588	.1490711	0.26	0.793	-.259914	.3386316
cohort2004	.2806069	.2087024	1.34	0.185	-.1383807	.6995946
award_b4_tsd	.0868275	.0754895	1.15	0.255	-.0647239	.2383789
diaward_tsd	-.0118151	.0027386	-4.31	0.000	-.017313	-.0063171
epeb4twp_flag	-.5321962	2.057229	-0.26	0.797	-4.662257	3.597864
ldwb4twp_flag	-2.327925	1.308491	-1.78	0.081	-4.95483	.2989797
ldwb4epe_flag	4.210964	.7722774	5.45	0.000	2.660552	5.761375
twpb4tsd	4.503658	.2227977	20.21	0.000	4.056373	4.950943
epeb4tsd	1.013943	.1319465	7.68	0.000	.7490489	1.278836
ldwb4tsd	13.35402	.3133212	42.62	0.000	12.725	13.98304
st_AL	.5859889	.1345122	4.36	0.000	.3159444	.8560334
st_AR	-.0516159	.1041178	-0.50	0.622	-.2606411	.1574093
st_AZ	.1580698	.1189401	1.33	0.190	-.0807125	.396852
st_CA	.8441728	.077108	10.95	0.000	.689372	.9989736
st_CO	-.1563096	.0954639	-1.64	0.108	-.3479614	.0353423
st_CT	.1289734	.1225715	1.05	0.298	-.1170992	.375046
st_DC	.7292261	.0395019	18.46	0.000	.6499226	.8085295
st_DE	.423198	.1967383	2.15	0.036	.0282293	.8181668
st_FL	.038329	.1410298	0.27	0.787	-.2448002	.3214582
st_GA	.3438885	.1564481	2.20	0.033	.0298058	.6579712
st_HI	.7962405	.2306618	3.45	0.001	.3331677	1.259313
st_IA	-.3438514	.168848	-2.04	0.047	-.6828278	-.0048749
st_ID	.6033659	.1603623	3.76	0.000	.2814251	.9253067
st_IL	-.0967574	.0618758	-1.56	0.124	-.2209782	.0274635
st_IN	.1612393	.1287963	1.25	0.216	-.0973301	.4198087
st_KS	.1548343	.1158795	1.34	0.187	-.0778035	.387472
st_KY	.0240224	.0831826	0.29	0.774	-.1429735	.1910184
st_LA	.2407159	.0806754	2.98	0.004	.0787533	.4026786
st_MA	.1004206	.1108328	0.91	0.369	-.1220855	.3229266
st_MD	.9864441	.1695385	5.82	0.000	.6460813	1.326807
st_ME	.724792	.156416	4.63	0.000	.4107739	1.03881
st_MI	.0956892	.0379967	2.52	0.015	.0194077	.1719707
st_MN	.5531999	.1532932	3.61	0.001	.2454509	.8609489
st_MO	.045398	.1163801	0.39	0.698	-.1882449	.2790408
st_MS	.2476587	.069385	3.57	0.001	.1083626	.3869549
st_MT	.2688199	.1868957	1.44	0.156	-.1063889	.6440287
st_NC	.4687318	.1110976	4.22	0.000	.245694	.6917695
st_ND	-.004411	.2223762	-0.02	0.984	-.4508499	.4420279
st_NE	.3971724	.1908659	2.08	0.042	.0139932	.7803516
st_NH	.4647823	.1764622	2.63	0.011	.1105195	.819045
st_NJ	.2588387	.1014691	2.55	0.014	.055131	.4625465
st_NM	.3977334	.0975224	4.08	0.000	.2019491	.5935177
st_NV	.0770477	.1242834	0.62	0.538	-.1724617	.326557
st_NY	.0166667	.0823841	0.20	0.840	-.1487262	.1820596
st_OH	.5093228	.081114	6.28	0.000	.3464797	.6721659
st_OK	.1640994	.1235315	1.33	0.190	-.0839003	.4120992
st_OR	-.1569165	.0359576	-4.36	0.000	-.2291045	-.0847286
st_PA	.7039395	.1146871	6.14	0.000	.4736954	.9341835
st_PR	.2455215	.1794929	1.37	0.177	-.1148256	.6058685
st_RI	.9070293	.125569	7.22	0.000	.6549391	1.159119
st_SC	-.0240862	.0543192	-0.44	0.659	-.1331364	.0849641
st_SD	.0877812	.2256046	0.39	0.699	-.3651389	.5407014
st_TN	.104552	.1127935	0.93	0.358	-.1218905	.3309944
st_TX	.7129182	.0863544	8.26	0.000	.5395545	.886282
st_UT	.6171486	.1336594	4.62	0.000	.3488162	.8854809
st_VA	.3185729	.1933704	1.65	0.106	-.0696343	.7067801
st_VT	-.1071437	.1857854	-0.58	0.567	-.4801235	.2658361
st_WA	.7195907	.0783594	9.18	0.000	.5622777	.8769037
st_WI	.0095124	.1236061	0.08	0.939	-.2386373	.2576621

st_WV	.6537856	.1273239	5.13	0.000	.3981722	.909399
st_WY	.7197592	.1898383	3.79	0.000	.338643	1.100876
tsd_unemp_mean	.0374197	.0540232	0.69	0.492	-.0710364	.1458758
tsd_unemp_cng	.0549231	.0415876	1.32	0.193	-.0285674	.1384137
pial	.0001386	.0001187	1.17	0.248	-.0000997	.000377
pia_miss	-.4016685	.1173029	-3.42	0.001	-.6371638	-.1661732
ime1	.0001069	.0000429	2.49	0.016	.0000207	.0001931
ime_miss	-.0687262	.0598407	-1.15	0.256	-.1888614	.051409
phase2_st	.4453876	.0681389	6.54	0.000	.3085929	.5821822
_cons	-.0124281	.3536702	-0.04	0.972	-.7224507	.6975946

(1) motoimm = 0

F(1, 51) = 0.60
 Prob > F = 0.4404

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > unemp.xls
 dir : seeout

Linear regression

Number of obs = 191505
 F(49, 51) = .
 Prob > F = .
 R-squared = 0.2660
 Root MSE = 5.906

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0054312	.0065102	0.83	0.408	-.0076386	.0185009
int_motoimm	-.0049998	.011105	-0.45	0.653	-.0271837	.0171841
male	.2145978	.0300169	7.15	0.000	.1543364	.2748593
gendermiss_flag	-1.076461	.2185202	-4.93	0.000	-1.515159	-.6377638
tsd_age	-.0463566	.0042669	-10.86	0.000	-.0549227	-.0377906
doage2	-.0026006	.0026238	-0.99	0.326	-.0078681	.0026669
doage2miss_flag	6.663725	5.344531	1.25	0.218	-4.065869	17.39332
race_a	.1018297	.1134781	0.90	0.374	-.1259871	.3296465
race_b	.258445	.0492362	5.25	0.000	.1595993	.3572907
race_h	.2771959	.0680129	4.08	0.000	.1406542	.4137376
race_i	.1428499	.1652312	0.86	0.391	-.1888655	.4745653
race_o	.3907701	.17087	2.29	0.026	.0477343	.7338059
race_mis	.2091463	.1236866	1.69	0.097	-.039165	.4574575
tsd_edu_hs	.1874168	.0291754	6.42	0.000	.1288448	.2459889
tsd_edu_mrhs	.6270214	.0474174	13.22	0.000	.5318269	.7222159
tsd_edu_mis	.3830974	.0396936	9.65	0.000	.3034092	.4627856
tsd_mie_exp	.0658076	.098858	0.67	0.509	-.1326582	.2642733
tsd_mie_mis	-.1008391	.0488545	-2.06	0.044	-.1989186	-.0027596
tsd_mie_psbl	-.1045868	.0409012	-2.56	0.014	-.1866994	-.0224741
tsd_medicare	-.2573395	.0460525	-5.59	0.000	-.3497937	-.1648853
tsd_medicare_miss	-.4852164	.106687	-4.55	0.000	-.6993994	-.2710334
tsd_depend_1	-.2555711	.034475	-7.41	0.000	-.3247824	-.1863597
tsd_depend_2	-.1049143	.0330235	-3.18	0.003	-.1712118	-.0386168
tsd_depend_miss	.0705695	.0772932	0.91	0.366	-.0846031	.2257421
tsd_vrpr	.4763709	.0815342	5.84	0.000	.3126841	.6400577
tsd_vrpr_miss	.1919848	.0607903	3.16	0.003	.0699432	.3140264
pdcgrou2	-.2467568	.0535285	-4.61	0.000	-.3542197	-.1392939
pdcgrou3	.2617133	.0424698	6.16	0.000	.1764516	.3469751
pdcgrou4	.2108484	.0473845	4.45	0.000	.1157199	.3059768
pdcgrou5	-.2758083	.2663723	-1.04	0.305	-.810573	.2589564

cohort2000	-.0110306	.0852325	-0.13	0.898	-.182142	.1600807
cohort2001	.1110008	.0996222	1.11	0.270	-.088999	.3110007
cohort2002	-.0123882	.1586477	-0.08	0.938	-.3308868	.3061103
cohort2003	.0421235	.1989498	0.21	0.833	-.3572849	.4415319
cohort2004	.4453069	.2965812	1.50	0.139	-.1501046	1.040718
award_b4_tsd	.214527	.1243419	1.73	0.091	-.0350996	.4641537
diaward_tsd	-.0175813	.003989	-4.41	0.000	-.0255895	-.0095732
epeb4twp_flag	-.9280096	2.879339	-0.32	0.749	-6.708524	4.852505
ldwb4twp_flag	-2.967411	1.698855	-1.75	0.087	-6.378005	.4431821
ldwb4epe_flag	7.005466	1.097128	6.39	0.000	4.80289	9.208043
twpb4tsd	6.396088	.2964628	21.57	0.000	5.800914	6.991262
epeb4tsd	1.068738	.1774723	6.02	0.000	.7124477	1.425029
ldwb4tsd	16.84679	.4005718	42.06	0.000	16.04261	17.65098
st_AL	.4969331	.17084	2.91	0.005	.1539574	.8399087
st_AR	-.3335554	.1239554	-2.69	0.010	-.5824062	-.0847046
st_AZ	.1126622	.1455389	0.77	0.442	-.1795192	.4048437
st_CA	1.018018	.1044284	9.75	0.000	.8083695	1.227667
st_CO	-.4038675	.1187265	-3.40	0.001	-.6422209	-.1655142
st_CT	-.0833879	.1451789	-0.57	0.568	-.3748468	.208071
st_DC	.8841379	.055253	16.00	0.000	.7732129	.9950628
st_DE	.4376062	.2335389	1.87	0.067	-.0312427	.9064552
st_FL	-.2102424	.1704796	-1.23	0.223	-.5524945	.1320098
st_GA	.2792775	.1827651	1.53	0.133	-.0876388	.6461937
st_HI	.9463955	.2792893	3.39	0.001	.3856989	1.507092
st_IA	-.8367372	.2054222	-4.07	0.000	-1.249139	-.4243349
st_ID	.553449	.2012659	2.75	0.008	.1493909	.9575071
st_IL	-.2814665	.0805013	-3.50	0.001	-.4430795	-.1198534
st_IN	-.0185798	.1515689	-0.12	0.903	-.3228671	.2857075
st_KS	.0254011	.1380267	0.18	0.855	-.2516991	.3025012
st_KY	-.2089615	.0996377	-2.10	0.041	-.4089925	-.0089306
st_LA	.1316024	.0960079	1.37	0.176	-.0611414	.3243462
st_MA	.0664138	.1378085	0.48	0.632	-.2102483	.3430758
st_MD	1.107982	.2103033	5.27	0.000	.6857808	1.530184
st_ME	.7099426	.1959379	3.62	0.001	.3165809	1.103304
st_MI	-.1083508	.0479153	-2.26	0.028	-.2045448	-.0121568
st_MN	.5342661	.193104	2.77	0.008	.1465936	.9219387
st_MO	-.2044733	.1388778	-1.47	0.147	-.4832821	.0743356
st_MS	.1689317	.0830082	2.04	0.047	.0022858	.3355777
st_MT	.1563953	.2209228	0.71	0.482	-.2871257	.5999163
st_NC	.3312195	.1438542	2.30	0.025	.0424201	.6200188
st_ND	-.3173936	.2616762	-1.21	0.231	-.8427305	.2079433
st_NE	.2788999	.2363865	1.18	0.244	-.1956659	.7534656
st_NH	.533385	.2077434	2.57	0.013	.1163227	.9504474
st_NJ	.1639401	.121013	1.35	0.181	-.0790038	.4068839
st_NM	.2919658	.1178048	2.48	0.017	.0554628	.5284689
st_NV	-.0764483	.1470416	-0.52	0.605	-.3716466	.2187499
st_NY	-.0389048	.1040965	-0.37	0.710	-.2478872	.1700777
st_OH	.4444441	.1093444	4.06	0.000	.224926	.6639622
st_OK	.2544458	.1499068	1.70	0.096	-.0464924	.5554084
st_OR	-.4007446	.0475473	-8.43	0.000	-.4961998	-.3052894
st_PA	.7099975	.1478896	4.80	0.000	.4130968	1.006898
st_PR	.073951	.2099687	0.35	0.726	-.3475788	.4954809
st_RI	.992093	.159917	6.20	0.000	.6710463	1.31314
st_SC	-.3834062	.071078	-5.39	0.000	-.5261012	-.2407112
st_SD	-.2512132	.2664189	-0.94	0.350	-.7860714	.283645
st_TN	-.1156269	.1338435	-0.86	0.392	-.384329	.1530753
st_TX	.7411772	.1158151	6.40	0.000	.5086686	.9736857
st_UT	.6496618	.1696919	3.83	0.000	.3089912	.9903325
st_VA	.2218915	.2264824	0.98	0.332	-.2327909	.6765738
st_VT	-.5346989	.2250827	-2.38	0.021	-.9865713	-.0828265
st_WA	.7899325	.1076159	7.34	0.000	.5738846	1.00598
st_WI	-.1231212	.1522349	-0.81	0.422	-.4287455	.1825032
st_WV	.5922511	.1621807	3.65	0.001	.2666598	.9178424

st_WY	.6293216	.2367819	2.66	0.010	.1539621	1.104681
tsd_unemp_mean	.0337758	.0628848	0.54	0.594	-.0924706	.1600223
tsd_unemp_cng	.0812516	.0608391	1.34	0.188	-.040888	.2033913
pial	.0002255	.0001681	1.34	0.186	-.0001119	.0005629
pia_miss	-.5048767	.1402343	-3.60	0.001	-.7864088	-.2233447
ime1	.0001661	.0000611	2.72	0.009	.0000434	.0002888
ime_miss	-.1948799	.0787836	-2.47	0.017	-.3530446	-.0367152
phase2_st	.5409113	.0969791	5.58	0.000	.3462175	.7356051
_cons	1.202403	.4010675	3.00	0.004	.3972259	2.007579

(1) motoimm = 0

F(1, 51) = 0.70
 Prob > F = 0.4080

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > unemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity
 note: st_AL omitted because of collinearity
 note: st_AR omitted because of collinearity
 note: st_AZ omitted because of collinearity
 note: st_CA omitted because of collinearity
 note: st_CO omitted because of collinearity
 note: st_CT omitted because of collinearity
 note: st_DC omitted because of collinearity
 note: st_DE omitted because of collinearity
 note: st_FL omitted because of collinearity
 note: st_GA omitted because of collinearity
 note: st_HI omitted because of collinearity
 note: st_IA omitted because of collinearity
 note: st_ID omitted because of collinearity
 note: st_IL omitted because of collinearity
 note: st_IN omitted because of collinearity
 note: st_KS omitted because of collinearity
 note: st_KY omitted because of collinearity
 note: st_LA omitted because of collinearity
 note: st_MA omitted because of collinearity
 note: st_MD omitted because of collinearity
 note: st_ME omitted because of collinearity
 note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity

note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(43, 11978) = .
 Prob > F = .
 R-squared = 0.1594
 Root MSE = .13386

ldwroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.000457	.0005295	0.86	0.388	-.000581	.0014949
male	.0051736	.0025554	2.02	0.043	.0001647	.0101826
gendermiss	0	(omitted)				
tsd_age	-.0009278	.000313	-2.96	0.003	-.0015412	-.0003143
doage2	-.0001133	.0002807	-0.40	0.687	-.0006636	.000437
doage2miss	0	(omitted)				
race_a	.0063536	.0104273	0.61	0.542	-.0140855	.0267927
race_b	.0083211	.0035749	2.33	0.020	.0013138	.0153284
race_h	.0140326	.004937	2.84	0.004	.0043554	.0237099
race_i	.0404885	.03921	1.03	0.302	-.0363694	.1173464
race_o	.0007815	.0071945	0.11	0.913	-.0133209	.0148839
race_mis	.0112817	.0078122	1.44	0.149	-.0040314	.0265948
tsd_edu_hs	.0068595	.0034567	1.98	0.047	.0000838	.0136352
tsd_edu_mrhs	.0151422	.0042213	3.59	0.000	.0068677	.0234167
tsd_edu_mis	.0055299	.0037352	1.48	0.139	-.0017916	.0128514
tsd_mie_exp	.002742	.0088249	0.31	0.756	-.0145561	.0200402
tsd_mie_mis	.0001273	.0041378	0.03	0.975	-.0079835	.0082381
tsd_mie_psbl	-.0026035	.0042327	-0.62	0.539	-.0109001	.0056932
tsd_medicare	-.0022229	.0036738	-0.61	0.545	-.0094241	.0049782
tsd_medicare_miss	-.0216626	.0059534	-3.64	0.000	-.0333322	-.0099929
tsd_depend_1	-.0075948	.003731	-2.04	0.042	-.0149081	-.0002815
tsd_depend_2	-.0042746	.0030821	-1.39	0.165	-.0103159	.0017668
tsd_depend_miss	.0024747	.0072736	0.34	0.734	-.0117828	.0167321
tsd_vrpr	.0180787	.0050121	3.61	0.000	.0082542	.0279032
tsd_vrpr_miss	.0193224	.0039815	4.85	0.000	.0115181	.0271268
pdcgrou2	-.005081	.0050087	-1.01	0.310	-.0148988	.0047369
pdcgrou3	.001792	.0045754	0.39	0.695	-.0071765	.0107606
pdcgrou4	.0057065	.0044775	1.27	0.203	-.0030702	.0144832
pdcgrou5	-.0035542	.0060454	-0.59	0.557	-.0154041	.0082958
cohort2000	.0008799	.0053959	0.16	0.870	-.009697	.0114567
cohort2001	.0057052	.0100151	0.57	0.569	-.013926	.0253364
cohort2002	-.0034652	.0140067	-0.25	0.805	-.0309205	.0239902
cohort2003	.0094686	.0161301	0.59	0.557	-.0221489	.0410862
cohort2004	.0120762	.0158668	0.76	0.447	-.0190253	.0431776
award_b4_tsd	-.0006001	.0077373	-0.08	0.938	-.0157665	.0145662
diaward_tsd	-.0003272	.0004495	-0.73	0.467	-.0012084	.000554
epeb4twp_flag	-.1537226	.0240257	-6.40	0.000	-.2008169	-.1066283
ldwb4twp_flag	-.0647369	.0455457	-1.42	0.155	-.1540137	.02454
ldwb4epe_flag	.1239388	.0907167	1.37	0.172	-.0538805	.3017582
twpb4tsd	.2235471	.0174263	12.83	0.000	.1893887	.2577055
epeb4tsd	.1250519	.0225655	5.54	0.000	.08082	.1692839
ldwb4tsd	-.1748514	.0178019	-9.82	0.000	-.2097459	-.1399568

st_AL		0	(omitted)				
st_AR		0	(omitted)				
st_AZ		0	(omitted)				
st_CA		0	(omitted)				
st_CO		0	(omitted)				
st_CT		0	(omitted)				
st_DC		0	(omitted)				
st_DE		0	(omitted)				
st_FL		0	(omitted)				
st_GA		0	(omitted)				
st_HI		0	(omitted)				
st_IA		0	(omitted)				
st_ID		0	(omitted)				
st_IL		0	(omitted)				
st_IN		0	(omitted)				
st_KS		0	(omitted)				
st_KY		0	(omitted)				
st_LA		0	(omitted)				
st_MA		0	(omitted)				
st_MD		0	(omitted)				
st_ME		0	(omitted)				
st_MI		0	(omitted)				
st_MN		0	(omitted)				
st_MO		0	(omitted)				
st_MS		0	(omitted)				
st_MT		0	(omitted)				
st_NC		0	(omitted)				
st_ND		0	(omitted)				
st_NE		0	(omitted)				
st_NH		0	(omitted)				
st_NJ		0	(omitted)				
st_NM		0	(omitted)				
st_NV		0	(omitted)				
st_NY		0	(omitted)				
st_OH		0	(omitted)				
st_OK		0	(omitted)				
st_OR		0	(omitted)				
st_PA		0	(omitted)				
st_PR		0	(omitted)				
st_RI		0	(omitted)				
st_SC		0	(omitted)				
st_SD		0	(omitted)				
st_TN		0	(omitted)				
st_TX		0	(omitted)				
st_UT		0	(omitted)				
st_VA		0	(omitted)				
st_VT		0	(omitted)				
st_WA		0	(omitted)				
st_WI		0	(omitted)				
st_WV		0	(omitted)				
st_WY		0	(omitted)				
pial		-.0000202	.0000142	-1.43	0.154	-.000048	7.56e-06
pia_miss		-.0353063	.0133433	-2.65	0.008	-.0614613	-.0091513
ime1		5.59e-06	4.31e-06	1.30	0.195	-2.85e-06	.000014
ime_miss		.0125439	.0083846	1.50	0.135	-.0038912	.0289789
_cons		.0232841	.0182934	1.27	0.203	-.0125739	.059142

(1) motoimm = 0

F(1, 11978) = 0.74
 Prob > F = 0.3882

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
PM_PH1NY_nounemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity
note: doage2miss_flag omitted because of collinearity
note: st_AL omitted because of collinearity
note: st_AR omitted because of collinearity
note: st_AZ omitted because of collinearity
note: st_CA omitted because of collinearity
note: st_CO omitted because of collinearity
note: st_CT omitted because of collinearity
note: st_DC omitted because of collinearity
note: st_DE omitted because of collinearity
note: st_FL omitted because of collinearity
note: st_GA omitted because of collinearity
note: st_HI omitted because of collinearity
note: st_IA omitted because of collinearity
note: st_ID omitted because of collinearity
note: st_IL omitted because of collinearity
note: st_IN omitted because of collinearity
note: st_KS omitted because of collinearity
note: st_KY omitted because of collinearity
note: st_LA omitted because of collinearity
note: st_MA omitted because of collinearity
note: st_MD omitted because of collinearity
note: st_ME omitted because of collinearity
note: st_MI omitted because of collinearity
note: st_MN omitted because of collinearity
note: st_MO omitted because of collinearity
note: st_MS omitted because of collinearity
note: st_MT omitted because of collinearity
note: st_NC omitted because of collinearity
note: st_ND omitted because of collinearity
note: st_NE omitted because of collinearity
note: st_NH omitted because of collinearity
note: st_NJ omitted because of collinearity
note: st_NM omitted because of collinearity
note: st_NV omitted because of collinearity
note: st_NY omitted because of collinearity
note: st_OH omitted because of collinearity
note: st_OK omitted because of collinearity
note: st_OR omitted because of collinearity
note: st_PA omitted because of collinearity
note: st_PR omitted because of collinearity
note: st_RI omitted because of collinearity
note: st_SC omitted because of collinearity
note: st_SD omitted because of collinearity
note: st_TN omitted because of collinearity
note: st_TX omitted because of collinearity
note: st_UT omitted because of collinearity
note: st_VA omitted because of collinearity
note: st_VT omitted because of collinearity
note: st_WA omitted because of collinearity
note: st_WI omitted because of collinearity
note: st_WV omitted because of collinearity
note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
F(43, 11978) = .
Prob > F = .
R-squared = 0.1385
Root MSE = .19003

ldwroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0001088	.0007589	0.14	0.886	-.0013789	.0015964
male	.0092247	.0035727	2.58	0.010	.0022216	.0162277
gendermiss_flag	0	(omitted)				
tsd_age	-.0017702	.0004118	-4.30	0.000	-.0025773	-.000963
doage2	.0000687	.0003598	0.19	0.849	-.0006365	.0007739
doage2miss_flag	0	(omitted)				
race_a	.0085723	.0141558	0.61	0.545	-.0191754	.0363199
race_b	.0196423	.0050781	3.87	0.000	.0096884	.0295961
race_h	.0263176	.007075	3.72	0.000	.0124495	.0401857
race_i	.0247832	.0401465	0.62	0.537	-.0539104	.1034769
race_o	.0077446	.0134187	0.58	0.564	-.0185582	.0340475
race_mis	.0063255	.0091412	0.69	0.489	-.0115928	.0242438
tsd_edu_hs	.0111402	.0049655	2.24	0.025	.0014071	.0208733
tsd_edu_mrhs	.0321209	.0061045	5.26	0.000	.0201551	.0440867
tsd_edu_mis	.0110325	.0051577	2.14	0.032	.0009226	.0211424
tsd_mie_exp	.0005704	.0116669	0.05	0.961	-.0222987	.0234395
tsd_mie_mis	.0003015	.0058258	0.05	0.959	-.0111181	.0117211
tsd_mie_psbl	-.0032961	.0057609	-0.57	0.567	-.0145885	.0079963
tsd_medicare	-.0059579	.0048455	-1.23	0.219	-.0154558	.00354
tsd_medicare_miss	-.0432176	.0080707	-5.35	0.000	-.0590374	-.0273977
tsd_depend_1	-.0200969	.0052441	-3.83	0.000	-.0303761	-.0098177
tsd_depend_2	-.0152747	.0044773	-3.41	0.001	-.0240509	-.0064985
tsd_depend_miss	-.0021546	.011056	-0.19	0.845	-.0238262	.0195171
tsd_vrpr	.0270207	.0080109	3.37	0.001	.011318	.0427235
tsd_vrpr_miss	.018655	.0067182	2.78	0.005	.0054862	.0318237
pdcgrou2	-.0123316	.0072736	-1.70	0.090	-.026589	.0019259
pdcgrou3	-.0024361	.0069109	-0.35	0.724	-.0159825	.0111103
pdcgrou4	.0014326	.0065156	0.22	0.826	-.011339	.0142042
pdcgrou5	-.0198826	.0105585	-1.88	0.060	-.040579	.0008138
cohort2000	-.0038946	.0072321	-0.54	0.590	-.0180706	.0102815
cohort2001	-.0010289	.0133578	-0.08	0.939	-.0272124	.0251546
cohort2002	-.0130393	.0197586	-0.66	0.509	-.0517694	.0256908
cohort2003	-.0118792	.0249604	-0.48	0.634	-.0608055	.0370471
cohort2004	-.0241249	.0233573	-1.03	0.302	-.069909	.0216592
award_b4_tsd	.0315677	.0148455	2.13	0.033	.0024681	.0606674
diaward_tsd	-.0007487	.0005963	-1.26	0.209	-.0019175	.0004201
epeb4twp_flag	-.1841005	.0260422	-7.07	0.000	-.2351475	-.1330535
ldwb4twp_flag	.148954	.3527157	0.42	0.673	-.542426	.8403339
ldwb4epe_flag	.3812752	.1206435	3.16	0.002	.1447944	.6177561
twpb4tsd	.2822532	.0189742	14.88	0.000	.2450607	.3194457
epeb4tsd	.1151756	.023694	4.86	0.000	.0687316	.1616196
ldwb4tsd	-.2170458	.0195047	-11.13	0.000	-.2552782	-.1788134
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				

st_KY		0	(omitted)				
st_LA		0	(omitted)				
st_MA		0	(omitted)				
st_MD		0	(omitted)				
st_ME		0	(omitted)				
st_MI		0	(omitted)				
st_MN		0	(omitted)				
st_MO		0	(omitted)				
st_MS		0	(omitted)				
st_MT		0	(omitted)				
st_NC		0	(omitted)				
st_ND		0	(omitted)				
st_NE		0	(omitted)				
st_NH		0	(omitted)				
st_NJ		0	(omitted)				
st_NM		0	(omitted)				
st_NV		0	(omitted)				
st_NY		0	(omitted)				
st_OH		0	(omitted)				
st_OK		0	(omitted)				
st_OR		0	(omitted)				
st_PA		0	(omitted)				
st_PR		0	(omitted)				
st_RI		0	(omitted)				
st_SC		0	(omitted)				
st_SD		0	(omitted)				
st_TN		0	(omitted)				
st_TX		0	(omitted)				
st_UT		0	(omitted)				
st_VA		0	(omitted)				
st_VT		0	(omitted)				
st_WA		0	(omitted)				
st_WI		0	(omitted)				
st_WV		0	(omitted)				
st_WY		0	(omitted)				
pial		-9.69e-06	.000017	-0.57	0.569	-.000043	.0000236
pia_miss		-.0413777	.0172349	-2.40	0.016	-.0751608	-.0075946
ime1		2.51e-06	5.10e-06	0.49	0.623	-7.49e-06	.0000125
ime_miss		-.0014842	.0102823	-0.14	0.885	-.0216391	.0186707
_cons		.0782414	.0238408	3.28	0.001	.0315096	.1249732

(1) motoimm = 0

F(1, 11978) = 0.02
 Prob > F = 0.8860

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_nounemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity

note: st_HI omitted because of collinearity

note: st_IA omitted because of collinearity
 note: st_ID omitted because of collinearity
 note: st_IL omitted because of collinearity
 note: st_IN omitted because of collinearity
 note: st_KS omitted because of collinearity
 note: st_KY omitted because of collinearity
 note: st_LA omitted because of collinearity
 note: st_MA omitted because of collinearity
 note: st_MD omitted because of collinearity
 note: st_ME omitted because of collinearity
 note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(43, 11978) = .
 Prob > F = .
 R-squared = 0.1378
 Root MSE = .22735

ldwroll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0013132	.0009289	-1.41	0.157	-.0031339	.0005075
male	.0113699	.0043077	2.64	0.008	.002926	.0198138
gendermiss_flag	0	(omitted)				
tsd_age	-.0028875	.0004924	-5.86	0.000	-.0038526	-.0019224
doage2	-.0004607	.0004272	-1.08	0.281	-.001298	.0003766
doage2miss_flag	0	(omitted)				
race_a	.0088875	.0169052	0.53	0.599	-.0242495	.0420245
race_b	.0300485	.006134	4.90	0.000	.0180248	.0420721
race_h	.0310284	.0082183	3.78	0.000	.0149192	.0471376
race_i	.0905688	.0548764	1.65	0.099	-.0169978	.1981354
race_o	.0177894	.0174963	1.02	0.309	-.0165062	.0520849
race_mis	.0201095	.0122423	1.64	0.100	-.0038873	.0441064

tsd_edu_hs	.020788	.0059998	3.46	0.001	.0090275	.0325485
tsd_edu_mrhs	.0448	.0073149	6.12	0.000	.0304617	.0591383
tsd_edu_mis	.0196414	.0061532	3.19	0.001	.0075801	.0317026
tsd_mie_exp	-.0043024	.0136415	-0.32	0.752	-.031042	.0224371
tsd_mie_mis	.0027427	.0067821	0.40	0.686	-.0105513	.0160367
tsd_mie_psbl	-.0015626	.0066622	-0.23	0.815	-.0146215	.0114963
tsd_medicare	-.0122931	.0057661	-2.13	0.033	-.0235955	-.0009907
tsd_medicare_miss	-.0581693	.0096644	-6.02	0.000	-.0771131	-.0392255
tsd_depend_1	-.0217674	.0064634	-3.37	0.001	-.0344367	-.0090981
tsd_depend_2	-.0170962	.0054567	-3.13	0.002	-.0277922	-.0064002
tsd_depend_miss	-.0141915	.0131096	-1.08	0.279	-.0398883	.0115053
tsd_vrpr	.0326977	.0100932	3.24	0.001	.0129133	.0524821
tsd_vrpr_miss	.0173604	.0087221	1.99	0.047	.0002637	.0344572
pdcgrou2	-.0204279	.0087653	-2.33	0.020	-.0376093	-.0032464
pdcgrou3	-.0040971	.0085772	-0.48	0.633	-.0209098	.0127157
pdcgrou4	-.0043791	.0079476	-0.55	0.582	-.0199577	.0111994
pdcgrou5	-.0323082	.0150633	-2.14	0.032	-.0618347	-.0027818
cohort2000	-.005274	.0085515	-0.62	0.537	-.0220363	.0114883
cohort2001	-.0127734	.0156529	-0.82	0.414	-.0434555	.0179087
cohort2002	-.0125286	.0244701	-0.51	0.609	-.060494	.0354368
cohort2003	-.0213345	.0301379	-0.71	0.479	-.0804096	.0377406
cohort2004	-.010904	.0315829	-0.35	0.730	-.0728116	.0510035
award_b4_tsd	.0371887	.0192518	1.93	0.053	-.0005479	.0749253
diaward_tsd	-.0012547	.0007047	-1.78	0.075	-.0026359	.0001265
epeb4twp_flag	-.2147423	.0270612	-7.94	0.000	-.2677866	-.161698
ldwb4twp_flag	.4304571	.2568851	1.68	0.094	-.0730793	.9339936
ldwb4epe_flag	.4563065	.115498	3.95	0.000	.2299117	.6827014
twpb4tsd	.3234265	.0196077	16.49	0.000	.2849922	.3618608
epeb4tsd	.0960989	.0240051	4.00	0.000	.049045	.1431529
ldwb4tsd	-.2462137	.0202859	-12.14	0.000	-.2859774	-.20645
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				

st_NY		0	(omitted)				
st_OH		0	(omitted)				
st_OK		0	(omitted)				
st_OR		0	(omitted)				
st_PA		0	(omitted)				
st_PR		0	(omitted)				
st_RI		0	(omitted)				
st_SC		0	(omitted)				
st_SD		0	(omitted)				
st_TN		0	(omitted)				
st_TX		0	(omitted)				
st_UT		0	(omitted)				
st_VA		0	(omitted)				
st_VT		0	(omitted)				
st_WA		0	(omitted)				
st_WI		0	(omitted)				
st_WV		0	(omitted)				
st_WY		0	(omitted)				
pial		-1.57e-06	.0000199	-0.08	0.937	-.0000406	.0000375
pia_miss		-.0539048	.0195237	-2.76	0.006	-.0921744	-.0156352
ime1		-1.98e-06	5.91e-06	-0.33	0.738	-.0000136	9.61e-06
ime_miss		-.0174087	.0113965	-1.53	0.127	-.0397476	.0049303
_cons		.1727645	.0282566	6.11	0.000	.1173771	.2281519

(1) motoimm = 0

F(1, 11978) = 2.00
 Prob > F = 0.1575

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_nounemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity

note: st_HI omitted because of collinearity

note: st_IA omitted because of collinearity

note: st_ID omitted because of collinearity

note: st_IL omitted because of collinearity

note: st_IN omitted because of collinearity

note: st_KS omitted because of collinearity

note: st_KY omitted because of collinearity

note: st_LA omitted because of collinearity

note: st_MA omitted because of collinearity

note: st_MD omitted because of collinearity

note: st_ME omitted because of collinearity

note: st_MI omitted because of collinearity

note: st_MN omitted because of collinearity

note: st_MO omitted because of collinearity

note: st_MS omitted because of collinearity

note: st_MT omitted because of collinearity

note: st_NC omitted because of collinearity

note: st_ND omitted because of collinearity

note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(43, 11978) = .
 Prob > F = .
 R-squared = 0.1286
 Root MSE = .25567

ldwroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0010702	.0010118	-1.06	0.290	-.0030535	.000913
male	.0159142	.0048347	3.29	0.001	.0064374	.0253911
gendermiss_flag	0	(omitted)				
tsd_age	-.003652	.0005453	-6.70	0.000	-.0047208	-.0025832
doage2	-.0003236	.0004589	-0.71	0.481	-.0012231	.0005759
doage2miss_flag	0	(omitted)				
race_a	.0150671	.019291	0.78	0.435	-.0227463	.0528806
race_b	.0417158	.0069986	5.96	0.000	.0279974	.0554341
race_h	.0301276	.0089919	3.35	0.001	.0125021	.0477531
race_i	.1028304	.0595142	1.73	0.084	-.0138271	.219488
race_o	.023424	.0200457	1.17	0.243	-.0158687	.0627168
race_mis	.0207206	.0133612	1.55	0.121	-.0054695	.0469107
tsd_edu_hs	.0251995	.0068884	3.66	0.000	.0116972	.0387018
tsd_edu_mrhs	.0567397	.0083262	6.81	0.000	.0404191	.0730603
tsd_edu_mis	.0232996	.0069461	3.35	0.001	.0096842	.0369151
tsd_mie_exp	.00905	.0157141	0.58	0.565	-.0217522	.0398522
tsd_mie_mis	.001852	.0075287	0.25	0.806	-.0129055	.0166095
tsd_mie_psbl	.0021647	.0073103	0.30	0.767	-.0121646	.016494
tsd_medicare	-.0111362	.0063576	-1.75	0.080	-.0235982	.0013257
tsd_medicare_miss	-.0583496	.0158865	-3.67	0.000	-.0894897	-.0272096
tsd_depend_1	-.0223126	.0073063	-3.05	0.002	-.0366342	-.007991
tsd_depend_2	-.0163904	.0061686	-2.66	0.008	-.0284819	-.004299
tsd_depend_miss	-.0107822	.0154619	-0.70	0.486	-.04109	.0195255
tsd_vrpr	.0270462	.011969	2.26	0.024	.0035851	.0505074
tsd_vrpr_miss	.0010663	.0105559	0.10	0.920	-.0196249	.0217576
pdcgrou2	-.0356783	.0099891	-3.57	0.000	-.0552584	-.0160981
pdcgrou3	-.0131647	.0098345	-1.34	0.181	-.0324418	.0061125
pdcgrou4	-.0178275	.0090824	-1.96	0.050	-.0356305	-.0000246
pdcgrou5	-.0507294	.0182685	-2.78	0.005	-.0865385	-.0149203

cohort2000	-.0021861	.0095881	-0.23	0.820	-.0209802	.0166081
cohort2001	-.007609	.0173994	-0.44	0.662	-.0417147	.0264967
cohort2002	-.0019557	.0272937	-0.07	0.943	-.0554558	.0515444
cohort2003	-.0289831	.0359814	-0.81	0.421	-.0995124	.0415463
cohort2004	.0090172	.0391749	0.23	0.818	-.0677719	.0858063
award_b4_tsd	.0456132	.0214347	2.13	0.033	.0035978	.0876286
diaward_tsd	-.0009903	.000781	-1.27	0.205	-.0025212	.0005405
epeb4twp_flag	-.2303864	.0277556	-8.30	0.000	-.2847918	-.1759809
ldwb4twp_flag	.3701641	.2545752	1.45	0.146	-.1288446	.8691727
ldwb4epe_flag	.5618443	.1106178	5.08	0.000	.3450154	.7786732
twpb4tsd	.3285449	.019845	16.56	0.000	.2896456	.3674443
epeb4tsd	.0727901	.0241498	3.01	0.003	.0254526	.1201276
ldwb4tsd	-.2579001	.0203834	-12.65	0.000	-.2978548	-.2179454
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				

st_WY		0	(omitted)				
pial		-4.26e-06	.000022	-0.19	0.846	-.0000474	.0000388
pia_miss		-.0620336	.0221884	-2.80	0.005	-.1055266	-.0185407
ime1		-6.50e-06	6.45e-06	-1.01	0.313	-.0000191	6.14e-06
ime_miss		-.0369443	.0124683	-2.96	0.003	-.0613842	-.0125044
_cons		.227286	.0317937	7.15	0.000	.1649651	.2896068

(1) motoimm = 0

F(1, 11978) = 1.12
 Prob > F = 0.2902

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_nounemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity

note: st_HI omitted because of collinearity

note: st_IA omitted because of collinearity

note: st_ID omitted because of collinearity

note: st_IL omitted because of collinearity

note: st_IN omitted because of collinearity

note: st_KS omitted because of collinearity

note: st_KY omitted because of collinearity

note: st_LA omitted because of collinearity

note: st_MA omitted because of collinearity

note: st_MD omitted because of collinearity

note: st_ME omitted because of collinearity

note: st_MI omitted because of collinearity

note: st_MN omitted because of collinearity

note: st_MO omitted because of collinearity

note: st_MS omitted because of collinearity

note: st_MT omitted because of collinearity

note: st_NC omitted because of collinearity

note: st_ND omitted because of collinearity

note: st_NE omitted because of collinearity

note: st_NH omitted because of collinearity

note: st_NJ omitted because of collinearity

note: st_NM omitted because of collinearity

note: st_NV omitted because of collinearity

note: st_NY omitted because of collinearity

note: st_OH omitted because of collinearity

note: st_OK omitted because of collinearity

note: st_OR omitted because of collinearity

note: st_PA omitted because of collinearity

note: st_PR omitted because of collinearity

note: st_RI omitted because of collinearity

note: st_SC omitted because of collinearity

note: st_SD omitted because of collinearity

note: st_TN omitted because of collinearity

note: st_TX omitted because of collinearity

note: st_UT omitted because of collinearity

note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(43, 11978) = .
 Prob > F = .
 R-squared = 0.1497
 Root MSE = .14503

eperoll112	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0002378	.0005869	0.41	0.685	-.0009126	.0013881
male	.0043473	.0027325	1.59	0.112	-.0010088	.0097034
gendermiss_flag	0	(omitted)				
tsd_age	-.0008731	.0003261	-2.68	0.007	-.0015124	-.0002339
doage2	-.0001987	.0002906	-0.68	0.494	-.0007684	.0003709
doage2miss_flag	0	(omitted)				
race_a	-.0024405	.0094647	-0.26	0.797	-.0209927	.0161118
race_b	.0060542	.0039211	1.54	0.123	-.0016318	.0137401
race_h	-.0001719	.0045887	-0.04	0.970	-.0091666	.0088227
race_i	.0385353	.0340531	1.13	0.258	-.0282142	.1052848
race_o	.0065693	.0109844	0.60	0.550	-.0149619	.0281006
race_mis	.0071479	.007737	0.92	0.356	-.0080179	.0223136
tsd_edu_hs	.0048218	.0039779	1.21	0.225	-.0029755	.0126191
tsd_edu_mrhs	.009663	.0046554	2.08	0.038	.0005375	.0187884
tsd_edu_mis	.0105431	.0042019	2.51	0.012	.0023068	.0187795
tsd_mie_exp	-.0064671	.0088409	-0.73	0.464	-.0237968	.0108625
tsd_mie_mis	-.0038673	.0045931	-0.84	0.400	-.0128704	.0051358
tsd_mie_psbl	-.0077526	.0045986	-1.69	0.092	-.0167666	.0012613
tsd_medicare	-.0109764	.0035598	-3.08	0.002	-.0179541	-.0039987
tsd_medicare_miss	-.0155546	.0102233	-1.52	0.128	-.035594	.0044848
tsd_depend_1	-.0081454	.0039627	-2.06	0.040	-.015913	-.0003779
tsd_depend_2	-.0073432	.0032766	-2.24	0.025	-.0137659	-.0009205
tsd_depend_miss	-.032535	.0127249	-2.56	0.011	-.0574779	-.0075921
tsd_vrpr	.0173664	.0063852	2.72	0.007	.0048504	.0298824
tsd_vrpr_miss	.0093068	.0053365	1.74	0.081	-.0011536	.0197671
pdcgrou2	.0017142	.0057673	0.30	0.766	-.0095908	.0130191
pdcgrou3	-.0054373	.0052437	-1.04	0.300	-.0157158	.0048413
pdcgrou4	-.002736	.0050793	-0.54	0.590	-.0126923	.0072203
pdcgrou5	-.005026	.0076126	-0.66	0.509	-.019948	.009896
cohort2000	-.0057191	.0054317	-1.05	0.292	-.0163662	.004928
cohort2001	-.001777	.0100123	-0.18	0.859	-.0214026	.0178486
cohort2002	-.0127387	.0147425	-0.86	0.388	-.0416363	.016159
cohort2003	-.0317105	.0194657	-1.63	0.103	-.0698665	.0064455
cohort2004	-.0331945	.0194409	-1.71	0.088	-.0713018	.0049128
award_b4_tsd	.0180572	.0112861	1.60	0.110	-.0040654	.0401798
diaward_tsd	-.0004441	.0004404	-1.01	0.313	-.0013073	.0004191
epeb4twp_flag	.0719266	.0114742	6.27	0.000	.0494354	.0944179
ldwb4twp_flag	-.1405253	.0578198	-2.43	0.015	-.2538614	-.0271892
ldwb4epe_flag	.1173451	.0870237	1.35	0.178	-.0532355	.2879257
twpb4tsd	.2656173	.0182606	14.55	0.000	.2298234	.3014111
epeb4tsd	-.1022803	.0094797	-10.79	0.000	-.1208621	-.0836985
ldwb4tsd	-.0522489	.0105269	-4.96	0.000	-.0728834	-.0316144
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				

st_CO		0	(omitted)				
st_CT		0	(omitted)				
st_DC		0	(omitted)				
st_DE		0	(omitted)				
st_FL		0	(omitted)				
st_GA		0	(omitted)				
st_HI		0	(omitted)				
st_IA		0	(omitted)				
st_ID		0	(omitted)				
st_IL		0	(omitted)				
st_IN		0	(omitted)				
st_KS		0	(omitted)				
st_KY		0	(omitted)				
st_LA		0	(omitted)				
st_MA		0	(omitted)				
st_MD		0	(omitted)				
st_ME		0	(omitted)				
st_MI		0	(omitted)				
st_MN		0	(omitted)				
st_MO		0	(omitted)				
st_MS		0	(omitted)				
st_MT		0	(omitted)				
st_NC		0	(omitted)				
st_ND		0	(omitted)				
st_NE		0	(omitted)				
st_NH		0	(omitted)				
st_NJ		0	(omitted)				
st_NM		0	(omitted)				
st_NV		0	(omitted)				
st_NY		0	(omitted)				
st_OH		0	(omitted)				
st_OK		0	(omitted)				
st_OR		0	(omitted)				
st_PA		0	(omitted)				
st_PR		0	(omitted)				
st_RI		0	(omitted)				
st_SC		0	(omitted)				
st_SD		0	(omitted)				
st_TN		0	(omitted)				
st_TX		0	(omitted)				
st_UT		0	(omitted)				
st_VA		0	(omitted)				
st_VT		0	(omitted)				
st_WA		0	(omitted)				
st_WI		0	(omitted)				
st_WV		0	(omitted)				
st_WY		0	(omitted)				
pial		1.95e-07	.000011	0.02	0.986	-.0000214	.0000218
pia_miss		-.0017751	.0151709	-0.12	0.907	-.0315125	.0279622
ime1		-2.15e-06	3.12e-06	-0.69	0.490	-8.26e-06	3.96e-06
ime_miss		-.0063755	.0067464	-0.95	0.345	-.0195995	.0068485
_cons		.0631778	.0188959	3.34	0.001	.0261389	.1002167

(1) motoimm = 0

F(1, 11978) = 0.16
 Prob > F = 0.6854

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_nounemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity
 note: st_AL omitted because of collinearity
 note: st_AR omitted because of collinearity
 note: st_AZ omitted because of collinearity
 note: st_CA omitted because of collinearity
 note: st_CO omitted because of collinearity
 note: st_CT omitted because of collinearity
 note: st_DC omitted because of collinearity
 note: st_DE omitted because of collinearity
 note: st_FL omitted because of collinearity
 note: st_GA omitted because of collinearity
 note: st_HI omitted because of collinearity
 note: st_IA omitted because of collinearity
 note: st_ID omitted because of collinearity
 note: st_IL omitted because of collinearity
 note: st_IN omitted because of collinearity
 note: st_KS omitted because of collinearity
 note: st_KY omitted because of collinearity
 note: st_LA omitted because of collinearity
 note: st_MA omitted because of collinearity
 note: st_MD omitted because of collinearity
 note: st_ME omitted because of collinearity
 note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(43, 11978) = .
 Prob > F = .
 R-squared = 0.1417
 Root MSE = .20227

	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
eperoll24					

motoimm	-.0001232	.0008092	-0.15	0.879	-.0017094	.001463
male	.005614	.003793	1.48	0.139	-.0018209	.013049
gendermiss_flag	0	(omitted)				
tsd_age	-.0015684	.0004378	-3.58	0.000	-.0024267	-.0007102
doage2	-.0000267	.0003848	-0.07	0.945	-.0007811	.0007276
doage2miss_flag	0	(omitted)				
race_a	-.0132905	.0123138	-1.08	0.280	-.0374275	.0108465
race_b	.0154941	.0054454	2.85	0.004	.0048202	.026168
race_h	.0026476	.0066227	0.40	0.689	-.010334	.0156293
race_i	.0447962	.0421049	1.06	0.287	-.0377362	.1273286
race_o	.0173221	.0158753	1.09	0.275	-.013796	.0484402
race_mis	.0110493	.0108988	1.01	0.311	-.0103141	.0324127
tsd_edu_hs	.0059208	.0054939	1.08	0.281	-.0048482	.0166898
tsd_edu_mrhs	.0266445	.0066766	3.99	0.000	.0135573	.0397316
tsd_edu_mis	.0155499	.0056624	2.75	0.006	.0044506	.0266491
tsd_mie_exp	-.0064058	.0123197	-0.52	0.603	-.0305543	.0177427
tsd_mie_mis	-.0020524	.0063148	-0.33	0.745	-.0144304	.0103256
tsd_mie_psbl	-.0102056	.0061769	-1.65	0.099	-.0223134	.0019022
tsd_medicare	-.0187329	.005047	-3.71	0.000	-.0286259	-.0088398
tsd_medicare_miss	-.028282	.0159636	-1.77	0.076	-.0595733	.0030093
tsd_depend_1	-.0074543	.0057374	-1.30	0.194	-.0187006	.003792
tsd_depend_2	-.0059904	.0047941	-1.25	0.211	-.0153877	.0034069
tsd_depend_miss	-.0650192	.0185201	-3.51	0.000	-.1013216	-.0287167
tsd_vrpr	.0317053	.009148	3.47	0.001	.0137738	.0496369
tsd_vrpr_miss	.0080593	.0077875	1.03	0.301	-.0072055	.023324
pdcgrou2	.003578	.0077362	0.46	0.644	-.0115863	.0187423
pdcgrou3	-.0065291	.0072734	-0.90	0.369	-.0207862	.007728
pdcgrou4	-.0038532	.006801	-0.57	0.571	-.0171843	.0094779
pdcgrou5	-.0178093	.0133017	-1.34	0.181	-.0438828	.0082643
cohort2000	-.0111707	.0072804	-1.53	0.125	-.0254415	.0031002
cohort2001	-.0102053	.0136251	-0.75	0.454	-.0369126	.016502
cohort2002	-.0134351	.0214873	-0.63	0.532	-.0555536	.0286834
cohort2003	-.0526436	.0309365	-1.70	0.089	-.1132841	.0079969
cohort2004	-.0817409	.0288425	-2.83	0.005	-.1382769	-.0252049
award_b4_tsd	.0453477	.0180074	2.52	0.012	.0100503	.0806452
diaward_tsd	-.0009578	.0006096	-1.57	0.116	-.0021528	.0002371
epeb4twp_flag	.0652766	.0147953	4.41	0.000	.0362755	.0942778
ldwb4twp_flag	-.2907386	.1240253	-2.34	0.019	-.5338482	-.047629
ldwb4epe_flag	.3949934	.1119192	3.53	0.000	.1756135	.6143732
twpb4tsd	.3288055	.019269	17.06	0.000	.291035	.3665759
epeb4tsd	-.1462926	.0112425	-13.01	0.000	-.1683298	-.1242554
ldwb4tsd	-.0741359	.0132694	-5.59	0.000	-.1001461	-.0481257
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				

st_MI		0	(omitted)				
st_MN		0	(omitted)				
st_MO		0	(omitted)				
st_MS		0	(omitted)				
st_MT		0	(omitted)				
st_NC		0	(omitted)				
st_ND		0	(omitted)				
st_NE		0	(omitted)				
st_NH		0	(omitted)				
st_NJ		0	(omitted)				
st_NM		0	(omitted)				
st_NV		0	(omitted)				
st_NY		0	(omitted)				
st_OH		0	(omitted)				
st_OK		0	(omitted)				
st_OR		0	(omitted)				
st_PA		0	(omitted)				
st_PR		0	(omitted)				
st_RI		0	(omitted)				
st_SC		0	(omitted)				
st_SD		0	(omitted)				
st_TN		0	(omitted)				
st_TX		0	(omitted)				
st_UT		0	(omitted)				
st_VA		0	(omitted)				
st_VT		0	(omitted)				
st_WA		0	(omitted)				
st_WI		0	(omitted)				
st_WV		0	(omitted)				
st_WY		0	(omitted)				
pia1		.0000142	.000015	0.94	0.345	-.0000152	.0000435
pia_miss		.0314129	.0208007	1.51	0.131	-.0093599	.0721857
ime1		-.0000111	4.32e-06	-2.58	0.010	-.0000196	-2.67e-06
ime_miss		-.0389288	.0082188	-4.74	0.000	-.055039	-.0228187
_cons		.1221895	.0252801	4.83	0.000	.0726364	.1717425

(1) motoimm = 0

F(1, 11978) = 0.02
 Prob > F = 0.8790

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_nounemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity

note: st_HI omitted because of collinearity

note: st_IA omitted because of collinearity

note: st_ID omitted because of collinearity

note: st_IL omitted because of collinearity

note: st_IN omitted because of collinearity

note: st_KS omitted because of collinearity

note: st_KY omitted because of collinearity
 note: st_LA omitted because of collinearity
 note: st_MA omitted because of collinearity
 note: st_MD omitted because of collinearity
 note: st_ME omitted because of collinearity
 note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(43, 11978) = .
 Prob > F = .
 R-squared = 0.1274
 Root MSE = .24131

eperoll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0003198	.0009687	-0.33	0.741	-.0022187	.0015791
male	.0047383	.0045222	1.05	0.295	-.0041259	.0136025
gendermiss_flag	0	(omitted)				
tsd_age	-.0026653	.0005308	-5.02	0.000	-.0037058	-.0016247
doage2	-.0000789	.0004704	-0.17	0.867	-.001001	.0008432
doage2miss_flag	0	(omitted)				
race_a	-.0055219	.0161618	-0.34	0.733	-.0372016	.0261578
race_b	.0219097	.0064326	3.41	0.001	.0093007	.0345186
race_h	.0057937	.0080022	0.72	0.469	-.0098919	.0214793
race_i	.0523697	.0494442	1.06	0.290	-.0445489	.1492883
race_o	.0246027	.0195546	1.26	0.208	-.0137274	.0629328
race_mis	.010462	.0127564	0.82	0.412	-.0145425	.0354665
tsd_edu_hs	.0101601	.0066533	1.53	0.127	-.0028815	.0232017
tsd_edu_mrhs	.0319914	.0078537	4.07	0.000	.0165969	.047386
tsd_edu_mis	.0219172	.0067533	3.25	0.001	.0086796	.0351547
tsd_mie_exp	-.0058358	.0145503	-0.40	0.688	-.0343568	.0226851
tsd_mie_mis	.0018814	.0073151	0.26	0.797	-.0124574	.0162202

tsd_mie_psbl	-.0070271	.0070801	-0.99	0.321	-.0209053	.006851
tsd_medicare	-.0191767	.0059972	-3.20	0.001	-.0309322	-.0074211
tsd_medicare_miss	-.0475251	.0162877	-2.92	0.004	-.0794516	-.0155986
tsd_depend_1	-.0072547	.0070104	-1.03	0.301	-.0209963	.0064868
tsd_depend_2	-.0079542	.0057761	-1.38	0.169	-.0192764	.0033679
tsd_depend_miss	-.0664879	.0204584	-3.25	0.001	-.1065897	-.0263861
tsd_vrpr	.0265837	.0117457	2.26	0.024	.0035602	.0496073
tsd_vrpr_miss	-.0140661	.0103053	-1.36	0.172	-.0342661	.0061339
pdcgrou2	-.0082439	.0094072	-0.88	0.381	-.0266835	.0101958
pdcgrou3	-.0181662	.0090124	-2.02	0.044	-.0358319	-.0005005
pdcgrou4	-.0143374	.0084033	-1.71	0.088	-.0308093	.0021345
pdcgrou5	-.0385138	.0169962	-2.27	0.023	-.071829	-.0051985
cohort2000	-.0145571	.0086364	-1.69	0.092	-.0314859	.0023717
cohort2001	-.018202	.0160805	-1.13	0.258	-.0497224	.0133185
cohort2002	-.0174429	.0258156	-0.68	0.499	-.0680455	.0331598
cohort2003	-.045074	.0351708	-1.28	0.200	-.1140145	.0238665
cohort2004	-.054179	.0361122	-1.50	0.134	-.1249649	.0166068
award_b4_tsd	.0396558	.0210822	1.88	0.060	-.0016687	.0809804
diaward_tsd	-.0015559	.0007283	-2.14	0.033	-.0029835	-.0001282
epeb4twp_flag	.059219	.016745	3.54	0.000	.0263961	.092042
ldwb4twp_flag	-.3315148	.1317967	-2.52	0.012	-.5898576	-.073172
ldwb4epe_flag	.4333445	.1142514	3.79	0.000	.2093932	.6572957
twpb4tsd	.3455902	.0195076	17.72	0.000	.3073521	.3838283
epeb4tsd	-.1758539	.011897	-14.78	0.000	-.1991739	-.1525339
ldwb4tsd	-.0866309	.0142416	-6.08	0.000	-.1145467	-.0587151
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				

st_PR		0	(omitted)				
st_RI		0	(omitted)				
st_SC		0	(omitted)				
st_SD		0	(omitted)				
st_TN		0	(omitted)				
st_TX		0	(omitted)				
st_UT		0	(omitted)				
st_VA		0	(omitted)				
st_VT		0	(omitted)				
st_WA		0	(omitted)				
st_WI		0	(omitted)				
st_WV		0	(omitted)				
st_WY		0	(omitted)				
pial		.0000385	.0000185	2.08	0.038	2.19e-06	.0000748
pia_miss		.0330383	.0231546	1.43	0.154	-.0123484	.078425
ime1		-.0000193	5.34e-06	-3.61	0.000	-.0000297	-8.81e-06
ime_miss		-.060528	.009799	-6.18	0.000	-.0797357	-.0413204
_cons		.2152842	.0305152	7.05	0.000	.1554695	.275099

(1) motoimm = 0

F(1, 11978) = 0.11
 Prob > F = 0.7413

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_nounemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity
 note: st_AL omitted because of collinearity
 note: st_AR omitted because of collinearity
 note: st_AZ omitted because of collinearity
 note: st_CA omitted because of collinearity
 note: st_CO omitted because of collinearity
 note: st_CT omitted because of collinearity
 note: st_DC omitted because of collinearity
 note: st_DE omitted because of collinearity
 note: st_FL omitted because of collinearity
 note: st_GA omitted because of collinearity
 note: st_HI omitted because of collinearity
 note: st_IA omitted because of collinearity
 note: st_ID omitted because of collinearity
 note: st_IL omitted because of collinearity
 note: st_IN omitted because of collinearity
 note: st_KS omitted because of collinearity
 note: st_KY omitted because of collinearity
 note: st_LA omitted because of collinearity
 note: st_MA omitted because of collinearity
 note: st_MD omitted because of collinearity
 note: st_ME omitted because of collinearity
 note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity

note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(43, 11978) = .
 Prob > F = .
 R-squared = 0.1207
 Root MSE = .27381

eperoll148	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0001636	.0010692	0.15	0.878	-.0019323	.0022595
male	.0067683	.0051353	1.32	0.188	-.0032978	.0168344
gendermiss_flag	0	(omitted)				
tsd_age	-.0035883	.0005972	-6.01	0.000	-.0047589	-.0024178
doage2	.0003535	.0005189	0.68	0.496	-.0006637	.0013707
doage2miss_flag	0	(omitted)				
race_a	-.0046256	.0185915	-0.25	0.804	-.0410679	.0318168
race_b	.0264845	.0072582	3.65	0.000	.0122572	.0407117
race_h	.0084494	.0091535	0.92	0.356	-.0094929	.0263916
race_i	.058102	.0545188	1.07	0.287	-.0487637	.1649678
race_o	.0308734	.0223489	1.38	0.167	-.0129342	.0746809
race_mis	.0019636	.013643	0.14	0.886	-.0247789	.0287062
tsd_edu_hs	.0091905	.0076711	1.20	0.231	-.005846	.0242271
tsd_edu_mrhs	.039847	.009056	4.40	0.000	.0220958	.0575982
tsd_edu_mis	.0209908	.0077364	2.71	0.007	.0058262	.0361554
tsd_mie_exp	-.0049351	.0162052	-0.30	0.761	-.0366999	.0268297
tsd_mie_mis	.0065553	.0082791	0.79	0.428	-.0096731	.0227838
tsd_mie_psbl	-.005973	.0078472	-0.76	0.447	-.0213548	.0094088
tsd_medicare	-.0194554	.0068064	-2.86	0.004	-.032797	-.0061137
tsd_medicare_miss	-.0500675	.0201852	-2.48	0.013	-.0896338	-.0105013
tsd_depend_1	-.0108769	.0078866	-1.38	0.168	-.026336	.0045822
tsd_depend_2	-.0132465	.0065513	-2.02	0.043	-.026088	-.0004049
tsd_depend_miss	-.0634741	.0224984	-2.82	0.005	-.1075746	-.0193736
tsd_vrpr	.0056552	.0140883	0.40	0.688	-.0219601	.0332705
tsd_vrpr_miss	-.0543635	.0125782	-4.32	0.000	-.0790188	-.0297081
pdcgrou2	-.0251931	.0107206	-2.35	0.019	-.0462072	-.004179
pdcgrou3	-.026084	.0104232	-2.50	0.012	-.0465152	-.0056527
pdcgrou4	-.0256137	.0096687	-2.65	0.008	-.0445659	-.0066614
pdcgrou5	-.0635406	.0204475	-3.11	0.002	-.103621	-.0234602
cohort2000	-.0077786	.0099076	-0.79	0.432	-.0271992	.011642
cohort2001	-.0131291	.0183365	-0.72	0.474	-.0490716	.0228135
cohort2002	-.0021002	.0293538	-0.07	0.943	-.0596383	.055438
cohort2003	-.0433967	.0407624	-1.06	0.287	-.1232976	.0365042
cohort2004	-.0013304	.044717	-0.03	0.976	-.0889829	.0863222

award_b4_tsd	.0354111	.0233971	1.51	0.130	-.010451	.0812732
diaward_tsd	-.0013958	.000831	-1.68	0.093	-.0030247	.0002332
epeb4twp_flag	.051791	.0180834	2.86	0.004	.0163446	.0872375
ldwb4twp_flag	-.3948685	.1526938	-2.59	0.010	-.6941731	-.095564
ldwb4epe_flag	.5369398	.1121047	4.79	0.000	.3171964	.7566833
twpb4tsd	.3442836	.0196545	17.52	0.000	.3057575	.3828097
epeb4tsd	-.2026263	.0122558	-16.53	0.000	-.2266497	-.1786028
ldwb4tsd	-.0970649	.0148857	-6.52	0.000	-.1262434	-.0678865
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				
st_WY	0	(omitted)				
pia1	.0000387	.0000207	1.87	0.061	-1.78e-06	.0000793
pia_miss	.0330864	.0257572	1.28	0.199	-.0174018	.0835747
ime1	-.000024	5.93e-06	-4.06	0.000	-.0000357	-.0000124
ime_miss	-.082706	.011142	-7.42	0.000	-.104546	-.0608659

_cons | .2978706 .0343297 8.68 0.000 .2305788 .3651625

(1) motoimm = 0

F(1, 11978) = 0.02
Prob > F = 0.8784

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
PM_PH1NY_nounemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity

note: st_HI omitted because of collinearity

note: st_IA omitted because of collinearity

note: st_ID omitted because of collinearity

note: st_IL omitted because of collinearity

note: st_IN omitted because of collinearity

note: st_KS omitted because of collinearity

note: st_KY omitted because of collinearity

note: st_LA omitted because of collinearity

note: st_MA omitted because of collinearity

note: st_MD omitted because of collinearity

note: st_ME omitted because of collinearity

note: st_MI omitted because of collinearity

note: st_MN omitted because of collinearity

note: st_MO omitted because of collinearity

note: st_MS omitted because of collinearity

note: st_MT omitted because of collinearity

note: st_NC omitted because of collinearity

note: st_ND omitted because of collinearity

note: st_NE omitted because of collinearity

note: st_NH omitted because of collinearity

note: st_NJ omitted because of collinearity

note: st_NM omitted because of collinearity

note: st_NV omitted because of collinearity

note: st_NY omitted because of collinearity

note: st_OH omitted because of collinearity

note: st_OK omitted because of collinearity

note: st_OR omitted because of collinearity

note: st_PA omitted because of collinearity

note: st_PR omitted because of collinearity

note: st_RI omitted because of collinearity

note: st_SC omitted because of collinearity

note: st_SD omitted because of collinearity

note: st_TN omitted because of collinearity

note: st_TX omitted because of collinearity

note: st_UT omitted because of collinearity

note: st_VA omitted because of collinearity

note: st_VT omitted because of collinearity

note: st_WA omitted because of collinearity

note: st_WI omitted because of collinearity

note: st_WV omitted because of collinearity

note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(43, 11978) = .
 Prob > F = .
 R-squared = 0.0273
 Root MSE = .1997

twproll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0000286	.0008111	-0.04	0.972	-.0016185	.0015612
male	.0097285	.0037401	2.60	0.009	.0023973	.0170596
gendermiss_flag	0	(omitted)				
tsd_age	-.0018451	.0004301	-4.29	0.000	-.0026881	-.001002
doage2	.0005428	.0003754	1.45	0.148	-.0001931	.0012786
doage2miss_flag	0	(omitted)				
race_a	-.007928	.0128101	-0.62	0.536	-.0330379	.017182
race_b	.0129718	.0052931	2.45	0.014	.0025964	.0233472
race_h	.0038154	.0066871	0.57	0.568	-.0092924	.0169232
race_i	.0669586	.0520669	1.29	0.198	-.035101	.1690181
race_o	-.0015216	.0143044	-0.11	0.915	-.0295606	.0265174
race_mis	-.0089527	.0096301	-0.93	0.353	-.0278293	.0099239
tsd_edu_hs	.0027001	.0057293	0.47	0.637	-.0085302	.0139304
tsd_edu_mrhs	.0149337	.0065791	2.27	0.023	.0020376	.0278299
tsd_edu_mis	.0120851	.0058453	2.07	0.039	.0006273	.0235429
tsd_mie_exp	.0005948	.0115885	0.05	0.959	-.0221205	.0233101
tsd_mie_mis	.0028654	.0062157	0.46	0.645	-.0093183	.0150492
tsd_mie_psbl	-.0008171	.0058245	-0.14	0.888	-.0122341	.0106
tsd_medicare	-.0201258	.0048689	-4.13	0.000	-.0296696	-.010582
tsd_medicare_miss	-.0278599	.0125958	-2.21	0.027	-.0525497	-.00317
tsd_depend_1	-.0069754	.0058218	-1.20	0.231	-.0183871	.0044363
tsd_depend_2	-.013145	.0046922	-2.80	0.005	-.0223425	-.0039474
tsd_depend_miss	-.060647	.0186719	-3.25	0.001	-.097247	-.0240469
tsd_vrpr	-.003215	.0101549	-0.32	0.752	-.0231202	.0166902
tsd_vrpr_miss	-.0253439	.0091674	-2.76	0.006	-.0433136	-.0073742
pdcgrou2	-.0182268	.007993	-2.28	0.023	-.0338944	-.0025592
pdcgrou3	-.0190397	.0075393	-2.53	0.012	-.0338179	-.0042614
pdcgrou4	-.0173353	.007147	-2.43	0.015	-.0313446	-.0033261
pdcgrou5	-.0444095	.0123588	-3.59	0.000	-.0686348	-.0201843
cohort2000	-.0063187	.0071116	-0.89	0.374	-.0202585	.0076212
cohort2001	-.0113299	.0130565	-0.87	0.386	-.0369227	.0142629
cohort2002	-.0038482	.021784	-0.18	0.860	-.0465484	.038852
cohort2003	-.0524254	.0271452	-1.93	0.053	-.1056345	.0007837
cohort2004	-.0613848	.0271573	-2.26	0.024	-.1146175	-.0081521
award_b4_tsd	.0216549	.0184868	1.17	0.241	-.0145822	.057892
diaward_tsd	-.0004565	.0006118	-0.75	0.456	-.0016557	.0007427
epeb4twp_flag	-.0534962	.0102289	-5.23	0.000	-.0735466	-.0334459
ldwb4twp_flag	-.1121877	.0791092	-1.42	0.156	-.2672546	.0428793
ldwb4epe_flag	.1484943	.0957235	1.55	0.121	-.0391393	.3361279
twpb4tsd	-.0513006	.0029207	-17.56	0.000	-.0570256	-.0455756
epeb4tsd	-.0353562	.0034437	-10.27	0.000	-.0421064	-.0286061
ldwb4tsd	-.0130085	.0036415	-3.57	0.000	-.0201465	-.0058705
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				

st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				
st_WY	0	(omitted)				
pial	.0000159	.0000129	1.23	0.218	-9.38e-06	.0000412
pia_miss	.0463384	.0202016	2.29	0.022	.00674	.0859369
ime1	-9.60e-06	3.68e-06	-2.61	0.009	-.0000168	-2.40e-06
ime_miss	-.036499	.0078705	-4.64	0.000	-.0519265	-.0210715
_cons	.154228	.0246733	6.25	0.000	.1058644	.2025916

(1) motoimm = 0

F(1, 11978) = 0.00
 Prob > F = 0.9718

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\LPM_PH1NY_nounemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity
 note: st_CT omitted because of collinearity
 note: st_DC omitted because of collinearity
 note: st_DE omitted because of collinearity
 note: st_FL omitted because of collinearity
 note: st_GA omitted because of collinearity
 note: st_HI omitted because of collinearity
 note: st_IA omitted because of collinearity
 note: st_ID omitted because of collinearity
 note: st_IL omitted because of collinearity
 note: st_IN omitted because of collinearity
 note: st_KS omitted because of collinearity
 note: st_KY omitted because of collinearity
 note: st_LA omitted because of collinearity
 note: st_MA omitted because of collinearity
 note: st_MD omitted because of collinearity
 note: st_ME omitted because of collinearity
 note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(43, 11978) = .
 Prob > F = .
 R-squared = 0.0451
 Root MSE = .25162

twproll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0000407	.001008	0.04	0.968	-.0019351	.0020165
male	.0051968	.0047224	1.10	0.271	-.0040599	.0144535
gendermiss_flag	0	(omitted)				
tsd_age	-.0026893	.0005365	-5.01	0.000	-.0037408	-.0016377
doage2	.0007557	.0004774	1.58	0.113	-.00018	.0016914

doage2miss_flag	0	(omitted)				
race_a	-.0006226	.0170756	-0.04	0.971	-.0340937	.0328484
race_b	.0189453	.0065478	2.89	0.004	.0061106	.03178
race_h	.0058918	.0084303	0.70	0.485	-.0106329	.0224164
race_i	.1216616	.0649647	1.87	0.061	-.0056797	.2490029
race_o	.0056097	.019235	0.29	0.771	-.032094	.0433135
race_mis	-.0085961	.0125146	-0.69	0.492	-.0331267	.0159346
tsd_edu_hs	.0041791	.0073084	0.57	0.567	-.0101465	.0185048
tsd_edu_mrhs	.017384	.0083544	2.08	0.037	.001008	.0337601
tsd_edu_mis	.0096665	.0073516	1.31	0.189	-.0047439	.024077
tsd_mie_exp	.0247793	.0156405	1.58	0.113	-.0058786	.0554373
tsd_mie_mis	.0073509	.0075062	0.98	0.327	-.0073626	.0220643
tsd_mie_psbl	.0081862	.0070498	1.16	0.246	-.0056327	.022005
tsd_medicare	-.0300089	.0061952	-4.84	0.000	-.0421524	-.0178653
tsd_medicare_miss	-.0520036	.01346	-3.86	0.000	-.0783873	-.0256198
tsd_depend_1	-.0111466	.0073149	-1.52	0.128	-.025485	.0031918
tsd_depend_2	-.0152522	.0061013	-2.50	0.012	-.0272117	-.0032926
tsd_depend_miss	-.0747625	.0215052	-3.48	0.001	-.1169161	-.0326088
tsd_vrpr	-.0122351	.0132786	-0.92	0.357	-.0382633	.0137931
tsd_vrpr_miss	-.0646401	.011995	-5.39	0.000	-.0881523	-.0411279
pdcgrou2	-.0361682	.009874	-3.66	0.000	-.0555228	-.0168136
pdcgrou3	-.0241367	.0097414	-2.48	0.013	-.0432315	-.005042
pdcgrou4	-.0255253	.0090445	-2.82	0.005	-.043254	-.0077965
pdcgrou5	-.0711571	.0176326	-4.04	0.000	-.1057198	-.0365944
cohort2000	-.0187119	.0089502	-2.09	0.037	-.0362558	-.0011681
cohort2001	-.0315419	.0165407	-1.91	0.057	-.0639644	.0008806
cohort2002	-.0166797	.0276937	-0.60	0.547	-.0709639	.0376045
cohort2003	-.049802	.0342808	-1.45	0.146	-.1169979	.0173939
cohort2004	-.0780169	.0337194	-2.31	0.021	-.1441125	-.0119214
award_b4_tsd	.0105624	.0225466	0.47	0.639	-.0336327	.0547574
diaward_tsd	-.0014248	.0007697	-1.85	0.064	-.0029335	.0000839
epeb4twp_flag	-.0741974	.0131097	-5.66	0.000	-.0998945	-.0485004
ldwb4twp_flag	-.1753131	.115549	-1.52	0.129	-.4018079	.0511817
ldwb4epe_flag	.2501563	.1137118	2.20	0.028	.0272627	.4730499
twpb4tsd	-.0856409	.0039171	-21.86	0.000	-.0933191	-.0779628
epeb4tsd	-.057379	.0048542	-11.82	0.000	-.0668941	-.0478639
ldwb4tsd	-.0193707	.0056722	-3.42	0.001	-.030489	-.0082523
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				

st_NC		0	(omitted)				
st_ND		0	(omitted)				
st_NE		0	(omitted)				
st_NH		0	(omitted)				
st_NJ		0	(omitted)				
st_NM		0	(omitted)				
st_NV		0	(omitted)				
st_NY		0	(omitted)				
st_OH		0	(omitted)				
st_OK		0	(omitted)				
st_OR		0	(omitted)				
st_PA		0	(omitted)				
st_PR		0	(omitted)				
st_RI		0	(omitted)				
st_SC		0	(omitted)				
st_SD		0	(omitted)				
st_TN		0	(omitted)				
st_TX		0	(omitted)				
st_UT		0	(omitted)				
st_VA		0	(omitted)				
st_VT		0	(omitted)				
st_WA		0	(omitted)				
st_WI		0	(omitted)				
st_WV		0	(omitted)				
st_WY		0	(omitted)				
pial		.0000321	.0000179	1.80	0.072	-2.88e-06	.0000671
pia_miss		.0649499	.0241047	2.69	0.007	.0177007	.1121991
ime1		-.0000163	5.29e-06	-3.09	0.002	-.0000267	-5.95e-06
ime_miss		-.0601135	.010262	-5.86	0.000	-.0802287	-.0399984
_cons		.2776555	.0312908	8.87	0.000	.2163205	.3389906

(1) motoimm = 0

F(1, 11978) = 0.00
 Prob > F = 0.9678

N:\Secure_Data-

DC1\08977_TTW_Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_nounemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity

note: st_HI omitted because of collinearity

note: st_IA omitted because of collinearity

note: st_ID omitted because of collinearity

note: st_IL omitted because of collinearity

note: st_IN omitted because of collinearity

note: st_KS omitted because of collinearity

note: st_KY omitted because of collinearity

note: st_LA omitted because of collinearity

note: st_MA omitted because of collinearity

note: st_MD omitted because of collinearity

note: st_ME omitted because of collinearity

note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(43, 11978) = .
 Prob > F = .
 R-squared = 0.0571
 Root MSE = .28977

twproll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0005332	.0011546	0.46	0.644	-.0017301	.0027965
male	.012337	.0054302	2.27	0.023	.0016929	.0229811
gendermiss_flag	0	(omitted)				
tsd_age	-.0037017	.0006226	-5.95	0.000	-.0049221	-.0024813
doage2	.0010064	.0005537	1.82	0.069	-.0000079	.0020918
doage2miss_flag	0	(omitted)				
race_a	.016467	.0211959	0.78	0.437	-.0250804	.0580145
race_b	.0185503	.0074327	2.50	0.013	.0039811	.0331195
race_h	.0058597	.0097145	0.60	0.546	-.0131823	.0249017
race_i	.0936027	.0649814	1.44	0.150	-.0337714	.2209767
race_o	.0041677	.0222078	0.19	0.851	-.0393633	.0476986
race_mis	-.0161937	.0141016	-1.15	0.251	-.0438351	.0114477
tsd_edu_hs	.013752	.0083845	1.64	0.101	-.002683	.030187
tsd_edu_mrhs	.0323055	.0095992	3.37	0.001	.0134896	.0511214
tsd_edu_mis	.01569	.0084058	1.87	0.062	-.0007867	.0321667
tsd_mie_exp	.0196911	.0173583	1.13	0.257	-.0143341	.0537162
tsd_mie_mis	.0051645	.0085758	0.60	0.547	-.0116454	.0219744
tsd_mie_psbl	.0110302	.0081067	1.36	0.174	-.0048603	.0269207
tsd_medicare	-.0299241	.0070546	-4.24	0.000	-.0437523	-.016096
tsd_medicare_miss	-.0591788	.0179878	-3.29	0.001	-.0944379	-.0239197
tsd_depend_1	-.0098429	.0084524	-1.16	0.244	-.0264109	.0067252
tsd_depend_2	-.0173063	.0069823	-2.48	0.013	-.0309927	-.0036199

tsd_depend_miss	-.0566429	.022896	-2.47	0.013	-.1015227	-.0117632
tsd_vrpr	-.0397695	.0154365	-2.58	0.010	-.0700274	-.0095115
tsd_vrpr_miss	-.1082958	.014055	-7.71	0.000	-.1358458	-.0807458
pdcgrou2	-.0527546	.0114085	-4.62	0.000	-.075117	-.0303921
pdcgrou3	-.0352549	.0112461	-3.13	0.002	-.057299	-.0132108
pdcgrou4	-.039638	.0103608	-3.83	0.000	-.0599468	-.0193292
pdcgrou5	-.0254437	.0717549	-0.35	0.723	-.166095	.1152076
cohort2000	-.0138006	.0105622	-1.31	0.191	-.0345042	.006903
cohort2001	-.0268341	.0194824	-1.38	0.168	-.0650227	.0113545
cohort2002	-.0002929	.0316214	-0.01	0.993	-.062276	.0616902
cohort2003	-.0397497	.0412801	-0.96	0.336	-.1206653	.0411659
cohort2004	-.0356751	.0433925	-0.82	0.411	-.1207314	.0493811
award_b4_tsd	.0104851	.0248907	0.42	0.674	-.0383047	.0592749
diaward_tsd	-.0011375	.000895	-1.27	0.204	-.0028919	.0006169
epeb4twp_flag	-.0956655	.0152783	-6.26	0.000	-.1256135	-.0657176
ldwb4twp_flag	-.2092517	.1348527	-1.55	0.121	-.4735847	.0550814
ldwb4epe_flag	.2918886	.118376	2.47	0.014	.0598524	.5239247
twpb4tsd	-.1177046	.0046908	-25.09	0.000	-.1268993	-.1085099
epeb4tsd	-.0811432	.0061526	-13.19	0.000	-.0932033	-.0690832
ldwb4tsd	-.0263902	.0075	-3.52	0.000	-.0410914	-.0116889
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				

st_TX		0	(omitted)				
st_UT		0	(omitted)				
st_VA		0	(omitted)				
st_VT		0	(omitted)				
st_WA		0	(omitted)				
st_WI		0	(omitted)				
st_WV		0	(omitted)				
st_WY		0	(omitted)				
pial		.0000361	.000021	1.72	0.086	-5.15e-06	.0000773
pia_miss		.0492195	.0263698	1.87	0.062	-.0024697	.1009086
ime1		-.0000227	6.21e-06	-3.66	0.000	-.0000349	-.0000105
ime_miss		-.082881	.0119562	-6.93	0.000	-.1063172	-.0594448
_cons		.3701033	.0359198	10.30	0.000	.2996946	.440512

(1) motoimm = 0

F(1, 11978) = 0.21
 Prob > F = 0.6442

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_nounemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity

note: st_HI omitted because of collinearity

note: st_IA omitted because of collinearity

note: st_ID omitted because of collinearity

note: st_IL omitted because of collinearity

note: st_IN omitted because of collinearity

note: st_KS omitted because of collinearity

note: st_KY omitted because of collinearity

note: st_LA omitted because of collinearity

note: st_MA omitted because of collinearity

note: st_MD omitted because of collinearity

note: st_ME omitted because of collinearity

note: st_MI omitted because of collinearity

note: st_MN omitted because of collinearity

note: st_MO omitted because of collinearity

note: st_MS omitted because of collinearity

note: st_MT omitted because of collinearity

note: st_NC omitted because of collinearity

note: st_ND omitted because of collinearity

note: st_NE omitted because of collinearity

note: st_NH omitted because of collinearity

note: st_NJ omitted because of collinearity

note: st_NM omitted because of collinearity

note: st_NV omitted because of collinearity

note: st_NY omitted because of collinearity

note: st_OH omitted because of collinearity

note: st_OK omitted because of collinearity

note: st_OR omitted because of collinearity

note: st_PA omitted because of collinearity

note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(43, 11978) = .
 Prob > F = .
 R-squared = 0.0701
 Root MSE = .31057

twproll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0012667	.0012221	1.04	0.300	-.0011288	.0036622
male	.0114624	.0058322	1.97	0.049	.0000304	.0228944
gendermiss_flag	0	(omitted)				
tsd_age	-.0042059	.0006732	-6.25	0.000	-.0055255	-.0028863
doage2	.0010259	.0005981	1.72	0.086	-.0001465	.0021983
doage2miss_flag	0	(omitted)				
race_a	.0228161	.0230387	0.99	0.322	-.0223436	.0679758
race_b	.0216898	.00796	2.72	0.006	.006087	.0372927
race_h	.0020215	.0102877	0.20	0.844	-.0181442	.0221871
race_i	.0986334	.0690394	1.43	0.153	-.0366951	.2339618
race_o	.0008888	.0237057	0.04	0.970	-.0455783	.0473558
race_mis	-.0251514	.0145386	-1.73	0.084	-.0536495	.0033467
tsd_edu_hs	.0158683	.009067	1.75	0.080	-.0019044	.033641
tsd_edu_mrhs	.0326973	.0102555	3.19	0.001	.0125948	.0527999
tsd_edu_mis	.0125631	.0090061	1.39	0.163	-.0050903	.0302166
tsd_mie_exp	.01864	.0181087	1.03	0.303	-.0168559	.0541359
tsd_mie_mis	.0083132	.0091756	0.91	0.365	-.0096725	.0262988
tsd_mie_psbl	.0165407	.0086325	1.92	0.055	-.0003804	.0334618
tsd_medicare	-.0339915	.0076477	-4.44	0.000	-.0489822	-.0190008
tsd_medicare_miss	-.0735571	.0184253	-3.99	0.000	-.1096737	-.0374405
tsd_depend_1	-.0031685	.009044	-0.35	0.726	-.0208962	.0145592
tsd_depend_2	-.0070087	.0075376	-0.93	0.352	-.0217836	.0077662
tsd_depend_miss	-.0738551	.0251954	-2.93	0.003	-.1232422	-.0244679
tsd_vrpr	-.0583079	.0165753	-3.52	0.000	-.0907982	-.0258176
tsd_vrpr_miss	-.1435471	.0150893	-9.51	0.000	-.1731245	-.1139697
pdcgrou2	-.0610195	.0121265	-5.03	0.000	-.0847893	-.0372497
pdcgrou3	-.0321786	.0119561	-2.69	0.007	-.0556145	-.0087426
pdcgrou4	-.0424465	.0109424	-3.88	0.000	-.0638954	-.0209976
pdcgrou5	-.0403286	.0709358	-0.57	0.570	-.1793743	.0987171
cohort2000	-.0148366	.0113237	-1.31	0.190	-.0370328	.0073597
cohort2001	-.0193147	.0208965	-0.92	0.355	-.0602751	.0216458
cohort2002	.0071674	.0337614	0.21	0.832	-.0590104	.0733453
cohort2003	-.0126018	.0448038	-0.28	0.779	-.1004244	.0752208
cohort2004	-.0169537	.0465506	-0.36	0.716	-.1082003	.074293
award_b4_tsd	.0057371	.026172	0.22	0.826	-.0455642	.0570384
diaward_tsd	-.001041	.0009648	-1.08	0.281	-.0029322	.0008503
epeb4twp_flag	-.1078989	.0165362	-6.53	0.000	-.1403126	-.0754853
ldwb4twp_flag	-.2983704	.1840839	-1.62	0.105	-.6592047	.0624639
ldwb4epe_flag	.4688278	.1130022	4.15	0.000	.2473252	.6903304

twpb4tsd	-.1386157	.0052606	-26.35	0.000	-.1489273	-.128304
epeb4tsd	-.0946368	.007065	-13.40	0.000	-.1084854	-.0807883
ldwb4tsd	-.0301882	.0089058	-3.39	0.001	-.0476451	-.0127313
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				
st_WY	0	(omitted)				
pial	.0000363	.0000222	1.63	0.102	-7.27e-06	.0000799
pia_miss	.0707938	.0287472	2.46	0.014	.0144446	.1271431
ime1	-.0000284	6.58e-06	-4.32	0.000	-.0000413	-.0000155
ime_miss	-.0993762	.0127292	-7.81	0.000	-.1243274	-.074425
_cons	.4349014	.0387006	11.24	0.000	.3590419	.5107609

(1) motoimm = 0

F(1, 11978) = 1.07
Prob > F = 0.3000

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
PM_PH1NY_nounemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity
note: doage2miss_flag omitted because of collinearity
note: st_AL omitted because of collinearity
note: st_AR omitted because of collinearity
note: st_AZ omitted because of collinearity
note: st_CA omitted because of collinearity
note: st_CO omitted because of collinearity
note: st_CT omitted because of collinearity
note: st_DC omitted because of collinearity
note: st_DE omitted because of collinearity
note: st_FL omitted because of collinearity
note: st_GA omitted because of collinearity
note: st_HI omitted because of collinearity
note: st_IA omitted because of collinearity
note: st_ID omitted because of collinearity
note: st_IL omitted because of collinearity
note: st_IN omitted because of collinearity
note: st_KS omitted because of collinearity
note: st_KY omitted because of collinearity
note: st_LA omitted because of collinearity
note: st_MA omitted because of collinearity
note: st_MD omitted because of collinearity
note: st_ME omitted because of collinearity
note: st_MI omitted because of collinearity
note: st_MN omitted because of collinearity
note: st_MO omitted because of collinearity
note: st_MS omitted because of collinearity
note: st_MT omitted because of collinearity
note: st_NC omitted because of collinearity
note: st_ND omitted because of collinearity
note: st_NE omitted because of collinearity
note: st_NH omitted because of collinearity
note: st_NJ omitted because of collinearity
note: st_NM omitted because of collinearity
note: st_NV omitted because of collinearity
note: st_NY omitted because of collinearity
note: st_OH omitted because of collinearity
note: st_OK omitted because of collinearity
note: st_OR omitted because of collinearity
note: st_PA omitted because of collinearity
note: st_PR omitted because of collinearity
note: st_RI omitted because of collinearity
note: st_SC omitted because of collinearity
note: st_SD omitted because of collinearity
note: st_TN omitted because of collinearity
note: st_TX omitted because of collinearity
note: st_UT omitted because of collinearity
note: st_VA omitted because of collinearity
note: st_VT omitted because of collinearity
note: st_WA omitted because of collinearity
note: st_WI omitted because of collinearity
note: st_WV omitted because of collinearity
note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
F(43, 11978) = .
Prob > F = .

R-squared = 0.3168
 Root MSE = .15344

-----		Robust				
-----	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	

motoimm	-.002095	.0006483	-3.23	0.001	-.0033657	-.0008243
male	-.0009736	.0029688	-0.33	0.743	-.0067929	.0048457
gendermiss_flag	0	(omitted)				
tsd_age	-.0000576	.0004017	-0.14	0.886	-.0008451	.0007298
doage2	-.0000122	.000384	-0.03	0.975	-.0007648	.0007405
doage2miss_flag	0	(omitted)				
race_a	.0054835	.0110254	0.50	0.619	-.0161281	.0270952
race_b	.000542	.0039462	0.14	0.891	-.0071932	.0082772
race_h	.001111	.0047073	0.24	0.813	-.0081161	.0103381
race_i	-.0032139	.0313026	-0.10	0.918	-.0645721	.0581444
race_o	.0259211	.0132744	1.95	0.051	-.0000989	.051941
race_mis	.0006588	.0092006	0.07	0.943	-.0173759	.0186935
tsd_edu_hs	-.0017994	.0044975	-0.40	0.689	-.0106152	.0070164
tsd_edu_mrhs	-.002005	.0051437	-0.39	0.697	-.0120875	.0080775
tsd_edu_mis	.0007028	.0049651	0.14	0.887	-.0090297	.0104352
tsd_mie_exp	.0033551	.0095981	0.35	0.727	-.0154588	.022169
tsd_mie_mis	-.0099863	.0049175	-2.03	0.042	-.0196254	-.0003471
tsd_mie_psbl	-.0061749	.0046186	-1.34	0.181	-.0152281	.0028783
tsd_medicare	-.003416	.0038521	-0.89	0.375	-.0109666	.0041347
tsd_medicare_miss	-.0122273	.0053855	-2.27	0.023	-.0227839	-.0016708
tsd_depend_1	.0017122	.0041094	0.42	0.677	-.0063428	.0097672
tsd_depend_2	-.0010879	.0033824	-0.32	0.748	-.0077179	.0055421
tsd_depend_miss	-.0057998	.0147203	-0.39	0.694	-.034654	.0230543
tsd_vrpr	-.3790244	.0170582	-22.22	0.000	-.4124612	-.3455875
tsd_vrpr_miss	-.4051677	.0167658	-24.17	0.000	-.4380314	-.372304
pdcgroup2	-.0089702	.0061898	-1.45	0.147	-.0211032	.0031627
pdcgroup3	-.0017985	.0055502	-0.32	0.746	-.0126779	.0090809
pdcgroup4	-.0041449	.0053466	-0.78	0.438	-.014625	.0063353
pdcgroup5	-.0143329	.0086453	-1.66	0.097	-.031279	.0026132
cohort2000	-.0098617	.0057802	-1.71	0.088	-.0211918	.0014684
cohort2001	-.0190658	.0103765	-1.84	0.066	-.0394055	.0012739
cohort2002	-.0108682	.0174309	-0.62	0.533	-.0450356	.0232992
cohort2003	-.0525178	.0219859	-2.39	0.017	-.0956137	-.0094218
cohort2004	-.0738076	.0230317	-3.20	0.001	-.1189534	-.0286618
award_b4_tsd	-.0115975	.0136691	-0.85	0.396	-.0383911	.0151961
diaward_tsd	-.0006956	.0004766	-1.46	0.144	-.0016297	.0002385
epeb4twp_flag	-.0147457	.012402	-1.19	0.234	-.0390555	.0095642
ldwb4twp_flag	.189074	.1656648	1.14	0.254	-.1356559	.5138039
ldwb4epe_flag	-.0082332	.0477423	-0.17	0.863	-.1018159	.0853495
twpb4tsd	.0025525	.0079363	0.32	0.748	-.0130041	.018109
epeb4tsd	.0054305	.0104725	0.52	0.604	-.0150973	.0259583
ldwb4tsd	-.0111921	.0093808	-1.19	0.233	-.0295799	.0071958
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				

st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				
st_WY	0	(omitted)				
pial	-3.14e-06	.0000126	-0.25	0.803	-.0000278	.0000215
pia_miss	.0057434	.0167598	0.34	0.732	-.0271085	.0385953
ime1	1.79e-07	3.54e-06	0.05	0.960	-6.76e-06	7.12e-06
ime_miss	-.0020765	.0072289	-0.29	0.774	-.0162464	.0120933
_cons	.4623293	.0255681	18.08	0.000	.4122117	.512447

(1) motoimm = 0

F(1, 11978) = 10.44
 Prob > F = 0.0012

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_nounemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity
 note: st_HI omitted because of collinearity
 note: st_IA omitted because of collinearity
 note: st_ID omitted because of collinearity
 note: st_IL omitted because of collinearity
 note: st_IN omitted because of collinearity
 note: st_KS omitted because of collinearity
 note: st_KY omitted because of collinearity
 note: st_LA omitted because of collinearity
 note: st_MA omitted because of collinearity
 note: st_MD omitted because of collinearity
 note: st_ME omitted because of collinearity
 note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(43, 11978) = .
 Prob > F = .
 R-squared = 0.4261
 Root MSE = .18043

	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	

srvroll24						
motoimm	-.0008832	.0007496	-1.18	0.239	-.0023526	.0005861
male	-.0029178	.0034546	-0.84	0.398	-.0096894	.0038539
gendermiss_flag	0	(omitted)				
tsd_age	-.0006603	.0004779	-1.38	0.167	-.001597	.0002764
doage2	-.0001796	.0004539	-0.40	0.692	-.0010693	.0007102
doage2miss_flag	0	(omitted)				
race_a	-.0030757	.0129527	-0.24	0.812	-.028465	.0223137
race_b	-.0098916	.0045228	-2.19	0.029	-.0187571	-.0010261
race_h	-.0040285	.0052253	-0.77	0.441	-.014271	.006214
race_i	-.0020611	.0330867	-0.06	0.950	-.0669163	.0627941

race_o	.0166239	.0141915	1.17	0.241	-.0111937	.0444416
race_mis	-.0051407	.0101005	-0.51	0.611	-.0249394	.014658
tsd_edu_hs	.0003575	.0051599	0.07	0.945	-.0097568	.0104718
tsd_edu_mrhs	.0020479	.0059787	0.34	0.732	-.0096712	.0137671
tsd_edu_mis	-.0026879	.0056347	-0.48	0.633	-.0137328	.008357
tsd_mie_exp	-.0145565	.0100582	-1.45	0.148	-.0342722	.0051593
tsd_mie_mis	-.016229	.0061096	-2.66	0.008	-.0282048	-.0042532
tsd_mie_psbl	-.013471	.005755	-2.34	0.019	-.0247516	-.0021903
tsd_medicare	-.0109144	.0045989	-2.37	0.018	-.019929	-.0018998
tsd_medicare_miss	-.0100031	.0132502	-0.75	0.450	-.0359756	.0159693
tsd_depend_1	-.0026442	.0046577	-0.57	0.570	-.0117741	.0064857
tsd_depend_2	-.0036345	.0038519	-0.94	0.345	-.0111848	.0039159
tsd_depend_miss	.0025049	.0180526	0.14	0.890	-.0328812	.037891
tsd_vrpr	-.544638	.0173477	-31.40	0.000	-.5786422	-.5106337
tsd_vrpr_miss	-.601369	.0165926	-36.24	0.000	-.6338932	-.5688448
pdcgrou2	-.0108595	.0071545	-1.52	0.129	-.0248835	.0031645
pdcgrou3	-.0113629	.0061582	-1.85	0.065	-.023434	.0007081
pdcgrou4	-.0060772	.0060468	-1.01	0.315	-.01793	.0057756
pdcgrou5	.0439248	.0705033	0.62	0.533	-.0942731	.1821227
cohort2000	.0063734	.0068638	0.93	0.353	-.0070808	.0198275
cohort2001	.008299	.012297	0.67	0.500	-.015805	.032403
cohort2002	.0291938	.0190634	1.53	0.126	-.0081735	.066561
cohort2003	-.0021132	.0295397	-0.07	0.943	-.0600157	.0557893
cohort2004	-.0828668	.0299502	-2.77	0.006	-.141574	-.0241596
award_b4_tsd	-.0162063	.0146612	-1.11	0.269	-.0449446	.012532
diaward_tsd	.0004284	.0005533	0.77	0.439	-.0006561	.0015129
epeb4twp_flag	-.03061	.0154366	-1.98	0.047	-.0608682	-.0003519
ldwb4twp_flag	.1273331	.1075339	1.18	0.236	-.0834508	.338117
ldwb4epe_flag	-.0371958	.0468615	-0.79	0.427	-.129052	.0546603
twpb4tsd	-.0042699	.0090773	-0.47	0.638	-.0220628	.013523
epeb4tsd	.0180727	.0135991	1.33	0.184	-.0085837	.0447291
ldwb4tsd	-.0257808	.0129597	-1.99	0.047	-.0511839	-.0003777
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				

st_NM		0	(omitted)				
st_NV		0	(omitted)				
st_NY		0	(omitted)				
st_OH		0	(omitted)				
st_OK		0	(omitted)				
st_OR		0	(omitted)				
st_PA		0	(omitted)				
st_PR		0	(omitted)				
st_RI		0	(omitted)				
st_SC		0	(omitted)				
st_SD		0	(omitted)				
st_TN		0	(omitted)				
st_TX		0	(omitted)				
st_UT		0	(omitted)				
st_VA		0	(omitted)				
st_VT		0	(omitted)				
st_WA		0	(omitted)				
st_WI		0	(omitted)				
st_WV		0	(omitted)				
st_WY		0	(omitted)				
pial		.0000114	.0000153	0.74	0.457	-.0000186	.0000413
pia_miss		-.0048414	.0205107	-0.24	0.813	-.0450456	.0353629
ime1		-3.46e-06	4.47e-06	-0.77	0.439	-.0000122	5.31e-06
ime_miss		-.0019132	.0088824	-0.22	0.829	-.0193241	.0154977
_cons		.6591773	.0268885	24.52	0.000	.6064715	.7118831

(1) motoimm = 0

F(1, 11978) = 1.39
 Prob > F = 0.2387

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_nounemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity
 note: st_AL omitted because of collinearity
 note: st_AR omitted because of collinearity
 note: st_AZ omitted because of collinearity
 note: st_CA omitted because of collinearity
 note: st_CO omitted because of collinearity
 note: st_CT omitted because of collinearity
 note: st_DC omitted because of collinearity
 note: st_DE omitted because of collinearity
 note: st_FL omitted because of collinearity
 note: st_GA omitted because of collinearity
 note: st_HI omitted because of collinearity
 note: st_IA omitted because of collinearity
 note: st_ID omitted because of collinearity
 note: st_IL omitted because of collinearity
 note: st_IN omitted because of collinearity
 note: st_KS omitted because of collinearity
 note: st_KY omitted because of collinearity
 note: st_LA omitted because of collinearity
 note: st_MA omitted because of collinearity
 note: st_MD omitted because of collinearity
 note: st_ME omitted because of collinearity
 note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity

note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(43, 11978) = .
 Prob > F = .
 R-squared = 0.5499
 Root MSE = .17608

srvroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0005663	.0007543	-0.75	0.453	-.0020449	.0009122
male	-.0012215	.0033729	-0.36	0.717	-.0078329	.0053898
gendermiss_flag	0	(omitted)				
tsd_age	-.0008841	.0004719	-1.87	0.061	-.0018092	.0000409
doage2	.0001322	.0004456	0.30	0.767	-.0007412	.0010055
doage2miss_flag	0	(omitted)				
race_a	-.0118362	.0130685	-0.91	0.365	-.0374527	.0137803
race_b	-.0060465	.0044037	-1.37	0.170	-.0146785	.0025855
race_h	-.0050034	.0051955	-0.96	0.336	-.0151874	.0051806
race_i	.0142581	.0274463	0.52	0.603	-.039541	.0680573
race_o	.0016742	.0138237	0.12	0.904	-.0254226	.028771
race_mis	-.0068864	.0098474	-0.70	0.484	-.0261888	.0124161
tsd_edu_hs	.004052	.0050828	0.80	0.425	-.005911	.0140151
tsd_edu_mrhs	.0067003	.0058894	1.14	0.255	-.004844	.0182445
tsd_edu_mis	-.0029419	.0055331	-0.53	0.595	-.0137877	.0079039
tsd_mie_exp	-.0235142	.0095576	-2.46	0.014	-.0422486	-.0047799
tsd_mie_mis	-.0163716	.0060704	-2.70	0.007	-.0282706	-.0044726
tsd_mie_psbl	-.0159348	.0056266	-2.83	0.005	-.0269638	-.0049057
tsd_medicare	-.0110623	.004521	-2.45	0.014	-.0199243	-.0022004
tsd_medicare_miss	-.003713	.0117431	-0.32	0.752	-.0267315	.0193054
tsd_depend_1	-.0057991	.0046415	-1.25	0.212	-.0148973	.003299
tsd_depend_2	-.005505	.0037144	-1.48	0.138	-.0127857	.0017757
tsd_depend_miss	.0030586	.018489	0.17	0.869	-.0331827	.0393
tsd_vrpr	-.6905411	.0153702	-44.93	0.000	-.7206692	-.660413
tsd_vrpr_miss	-.7549145	.0143612	-52.57	0.000	-.7830648	-.7267642
pdcgrou2	-.010585	.0069983	-1.51	0.130	-.0243027	.0031327
pdcgrou3	-.0111122	.0059243	-1.88	0.061	-.0227247	.0005004

pdcgrou4	-.0021278	.0058537	-0.36	0.716	-.0136021	.0093465
pdcgrou5	.0412853	.0700076	0.59	0.555	-.0959408	.1785115
cohort2000	.0108123	.0066247	1.63	0.103	-.0021732	.0237978
cohort2001	.0172135	.0117206	1.47	0.142	-.0057607	.0401877
cohort2002	.0275901	.0180732	1.53	0.127	-.0078362	.0630165
cohort2003	-.0238459	.0284093	-0.84	0.401	-.0795327	.0318409
cohort2004	-.0984154	.0311273	-3.16	0.002	-.1594299	-.0374008
award_b4_tsd	.0002069	.0139975	0.01	0.988	-.0272305	.0276444
diaward_tsd	.0006712	.0005291	1.27	0.205	-.0003659	.0017084
epeb4twp_flag	-.0327344	.0144656	-2.26	0.024	-.0610893	-.0043795
ldwb4twp_flag	.0698939	.0648125	1.08	0.281	-.0571491	.196937
ldwb4epe_flag	-.0592075	.0501968	-1.18	0.238	-.1576014	.0391864
twpb4tsd	-.0006671	.0088485	-0.08	0.940	-.0180116	.0166774
epeb4tsd	.0147141	.0124684	1.18	0.238	-.009726	.0391543
ldwb4tsd	-.0233942	.011607	-2.02	0.044	-.0461458	-.0006426
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				

st_WI		0	(omitted)				
st_WV		0	(omitted)				
st_WY		0	(omitted)				
pial		8.36e-06	.0000156	0.54	0.591	-.0000222	.0000389
pia_miss		-.0047212	.0210237	-0.22	0.822	-.045931	.0364887
ime1		-2.94e-06	4.56e-06	-0.64	0.520	-.0000119	6.01e-06
ime_miss		.0022569	.0088691	0.25	0.799	-.015128	.0196417
_cons		.7994537	.0253422	31.55	0.000	.7497788	.8491285

(1) motoimm = 0

F(1, 11978) = 0.56
 Prob > F = 0.4528

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_nounemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity
 note: doage2miss_flag omitted because of collinearity
 note: st_AL omitted because of collinearity
 note: st_AR omitted because of collinearity
 note: st_AZ omitted because of collinearity
 note: st_CA omitted because of collinearity
 note: st_CO omitted because of collinearity
 note: st_CT omitted because of collinearity
 note: st_DC omitted because of collinearity
 note: st_DE omitted because of collinearity
 note: st_FL omitted because of collinearity
 note: st_GA omitted because of collinearity
 note: st_HI omitted because of collinearity
 note: st_IA omitted because of collinearity
 note: st_ID omitted because of collinearity
 note: st_IL omitted because of collinearity
 note: st_IN omitted because of collinearity
 note: st_KS omitted because of collinearity
 note: st_KY omitted because of collinearity
 note: st_LA omitted because of collinearity
 note: st_MA omitted because of collinearity
 note: st_MD omitted because of collinearity
 note: st_ME omitted because of collinearity
 note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity

note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(43, 11978) = .
 Prob > F = .
 R-squared = 0.6460
 Root MSE = .1664

-----		Robust				-----	
-----	srvroll48	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
	motoimm	-.0008945	.0007265	-1.23	0.218	-.0023185	.0005295
	male	-.0044854	.0032014	-1.40	0.161	-.0107606	.0017898
	gendermiss_flag	0	(omitted)				
	tsd_age	-.0007643	.0004408	-1.73	0.083	-.0016283	.0000997
	doage2	-.0000902	.0004125	-0.22	0.827	-.0008989	.0007184
	doage2miss_flag	0	(omitted)				
	race_a	-.0076142	.0130262	-0.58	0.559	-.0331477	.0179193
	race_b	-.0012645	.0041942	-0.30	0.763	-.0094857	.0069568
	race_h	-.0058561	.0050551	-1.16	0.247	-.0157649	.0040526
	race_i	.0050696	.0259708	0.20	0.845	-.0458374	.0559767
	race_o	.0101081	.0105136	0.96	0.336	-.0105002	.0307164
	race_mis	-.0032655	.0091017	-0.36	0.720	-.0211063	.0145752
	tsd_edu_hs	.0018386	.0049926	0.37	0.713	-.0079478	.0116249
	tsd_edu_mrhs	.0054994	.0056122	0.98	0.327	-.0055014	.0165002
	tsd_edu_mis	-.0007415	.0053581	-0.14	0.890	-.0112442	.0097612
	tsd_mie_exp	-.0134873	.0084184	-1.60	0.109	-.0299888	.0030141
	tsd_mie_mis	-.0141586	.0058278	-2.43	0.015	-.025582	-.0027352
	tsd_mie_psbl	-.0161448	.005469	-2.95	0.003	-.026865	-.0054246
	tsd_medicare	-.0111529	.0042731	-2.61	0.009	-.0195289	-.0027769
	tsd_medicare_miss	.0046024	.0159574	0.29	0.773	-.0266766	.0358815
	tsd_depend_1	-.0065796	.0044465	-1.48	0.139	-.0152954	.0021363
	tsd_depend_2	-.0065129	.0034803	-1.87	0.061	-.0133348	.0003091
	tsd_depend_miss	-.0107983	.018005	-0.60	0.549	-.0460911	.0244945
	tsd_vrpr	-.8036344	.0121497	-66.14	0.000	-.8274498	-.779819
	tsd_vrpr_miss	-.8734863	.0106355	-82.13	0.000	-.8943336	-.852639
	pdcgrou2	-.0120687	.0065949	-1.83	0.067	-.0249957	.0008583
	pdcgrou3	-.0128366	.0054995	-2.33	0.020	-.0236166	-.0020566
	pdcgrou4	-.0037279	.0054391	-0.69	0.493	-.0143894	.0069337
	pdcgrou5	.0399812	.0702007	0.57	0.569	-.0976234	.1775859
	cohort2000	.0132393	.0063638	2.08	0.038	.0007653	.0257133
	cohort2001	.0238162	.0110474	2.16	0.031	.0021614	.0454709
	cohort2002	.0255399	.0170282	1.50	0.134	-.0078382	.0589179
	cohort2003	-.017078	.030092	-0.57	0.570	-.0760632	.0419072
	cohort2004	-.1135407	.0332343	-3.42	0.001	-.1786854	-.048396
	award_b4_tsd	.0042309	.0136055	0.31	0.756	-.0224382	.0308999
	diaward_tsd	.0009029	.0005003	1.80	0.071	-.0000778	.0018836
	epeb4twp_flag	-.0330513	.0150218	-2.20	0.028	-.0624965	-.0036062
	ldwb4twp_flag	.0114024	.0457852	0.25	0.803	-.078344	.1011487
	ldwb4epe_flag	-.01132	.0172985	-0.65	0.513	-.0452278	.0225879
	twpb4tsd	-.0055078	.0083119	-0.66	0.508	-.0218005	.0107849
	epeb4tsd	.0124328	.013244	0.94	0.348	-.0135275	.0383931
	ldwb4tsd	-.0287745	.0118002	-2.44	0.015	-.0519047	-.0056442
	st_AL	0	(omitted)				
	st_AR	0	(omitted)				

st_AZ		0	(omitted)				
st_CA		0	(omitted)				
st_CO		0	(omitted)				
st_CT		0	(omitted)				
st_DC		0	(omitted)				
st_DE		0	(omitted)				
st_FL		0	(omitted)				
st_GA		0	(omitted)				
st_HI		0	(omitted)				
st_IA		0	(omitted)				
st_ID		0	(omitted)				
st_IL		0	(omitted)				
st_IN		0	(omitted)				
st_KS		0	(omitted)				
st_KY		0	(omitted)				
st_LA		0	(omitted)				
st_MA		0	(omitted)				
st_MD		0	(omitted)				
st_ME		0	(omitted)				
st_MI		0	(omitted)				
st_MN		0	(omitted)				
st_MO		0	(omitted)				
st_MS		0	(omitted)				
st_MT		0	(omitted)				
st_NC		0	(omitted)				
st_ND		0	(omitted)				
st_NE		0	(omitted)				
st_NH		0	(omitted)				
st_NJ		0	(omitted)				
st_NM		0	(omitted)				
st_NV		0	(omitted)				
st_NY		0	(omitted)				
st_OH		0	(omitted)				
st_OK		0	(omitted)				
st_OR		0	(omitted)				
st_PA		0	(omitted)				
st_PR		0	(omitted)				
st_RI		0	(omitted)				
st_SC		0	(omitted)				
st_SD		0	(omitted)				
st_TN		0	(omitted)				
st_TX		0	(omitted)				
st_UT		0	(omitted)				
st_VA		0	(omitted)				
st_VT		0	(omitted)				
st_WA		0	(omitted)				
st_WI		0	(omitted)				
st_WV		0	(omitted)				
st_WY		0	(omitted)				
pial		-6.11e-07	.0000144	-0.04	0.966	-.0000289	.0000277
pia_miss		-.0033165	.0200423	-0.17	0.869	-.0426028	.0359697
ime1		-3.86e-07	4.15e-06	-0.09	0.926	-8.51e-06	7.74e-06
ime_miss		-.0000346	.0080689	-0.00	0.997	-.0158509	.0157818
_cons		.9244806	.0219633	42.09	0.000	.8814289	.9675323

(1) motoimm = 0

F(1, 11978) = 1.52
 Prob > F = 0.2183

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_nounemp.xls

```

dir : seeout
note: gendermiss_flag omitted because of collinearity
note: doage2miss_flag omitted because of collinearity
note: st_AL omitted because of collinearity
note: st_AR omitted because of collinearity
note: st_AZ omitted because of collinearity
note: st_CA omitted because of collinearity
note: st_CO omitted because of collinearity
note: st_CT omitted because of collinearity
note: st_DC omitted because of collinearity
note: st_DE omitted because of collinearity
note: st_FL omitted because of collinearity
note: st_GA omitted because of collinearity
note: st_HI omitted because of collinearity
note: st_IA omitted because of collinearity
note: st_ID omitted because of collinearity
note: st_IL omitted because of collinearity
note: st_IN omitted because of collinearity
note: st_KS omitted because of collinearity
note: st_KY omitted because of collinearity
note: st_LA omitted because of collinearity
note: st_MA omitted because of collinearity
note: st_MD omitted because of collinearity
note: st_ME omitted because of collinearity
note: st_MI omitted because of collinearity
note: st_MN omitted because of collinearity
note: st_MO omitted because of collinearity
note: st_MS omitted because of collinearity
note: st_MT omitted because of collinearity
note: st_NC omitted because of collinearity
note: st_ND omitted because of collinearity
note: st_NE omitted because of collinearity
note: st_NH omitted because of collinearity
note: st_NJ omitted because of collinearity
note: st_NM omitted because of collinearity
note: st_NV omitted because of collinearity
note: st_NY omitted because of collinearity
note: st_OH omitted because of collinearity
note: st_OK omitted because of collinearity
note: st_OR omitted because of collinearity
note: st_PA omitted because of collinearity
note: st_PR omitted because of collinearity
note: st_RI omitted because of collinearity
note: st_SC omitted because of collinearity
note: st_SD omitted because of collinearity
note: st_TN omitted because of collinearity
note: st_TX omitted because of collinearity
note: st_UT omitted because of collinearity
note: st_VA omitted because of collinearity
note: st_VT omitted because of collinearity
note: st_WA omitted because of collinearity
note: st_WI omitted because of collinearity
note: st_WV omitted because of collinearity
note: st_WY omitted because of collinearity

```

Linear regression

```

Number of obs = 12023
F( 43, 11978) = .
Prob > F = .
R-squared = 0.4932
Root MSE = 1.0544

```

| Robust

nstwl2	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0073492	.0040942	1.80	0.073	-.000676	.0153744
male	.0399946	.0202405	1.98	0.048	.00032	.0796691
gendermiss_flag	0	(omitted)				
tsd_age	-.0034066	.0022682	-1.50	0.133	-.0078526	.0010395
doage2	.0005645	.0017755	0.32	0.751	-.0029157	.0040447
doage2miss_flag	0	(omitted)				
race_a	.0202584	.0700232	0.29	0.772	-.1169984	.1575153
race_b	.0379371	.029622	1.28	0.200	-.0201267	.096001
race_h	.0941417	.0352259	2.67	0.008	.0250932	.1631902
race_i	-.2917289	.216937	-1.34	0.179	-.7169606	.1335029
race_o	.0204162	.0489955	0.42	0.677	-.0756228	.1164553
race_mis	.0390393	.0594028	0.66	0.511	-.0773998	.1554785
tsd_edu_hs	.0828655	.0275169	3.01	0.003	.0289279	.1368032
tsd_edu_mrhs	.0809517	.0321928	2.51	0.012	.0178486	.1440547
tsd_edu_mis	.0270697	.0293547	0.92	0.356	-.0304702	.0846097
tsd_mie_exp	-.0005317	.0604668	-0.01	0.993	-.1190566	.1179931
tsd_mie_mis	-.0080318	.0326717	-0.25	0.806	-.0720737	.0560101
tsd_mie_psbl	-.0295895	.0336632	-0.88	0.379	-.0955749	.0363958
tsd_medicare	-.0478368	.0274327	-1.74	0.081	-.1016094	.0059358
tsd_medicare_miss	-.0762989	.0351102	-2.17	0.030	-.1451206	-.0074771
tsd_depend_1	-.0081927	.0287367	-0.29	0.776	-.0645213	.0481358
tsd_depend_2	-.0224971	.0243288	-0.92	0.355	-.0701856	.0251913
tsd_depend_miss	.0804642	.0481	1.67	0.094	-.0138195	.174748
tsd_vrpr	.0875676	.035218	2.49	0.013	.0185347	.1566005
tsd_vrpr_miss	.1234593	.0272346	4.53	0.000	.0700751	.1768434
pdcgrou2	-.0365126	.0370727	-0.98	0.325	-.1091811	.0361559
pdcgrou3	.0537577	.034429	1.56	0.118	-.0137288	.1212442
pdcgrou4	.0662635	.033287	1.99	0.047	.0010155	.1315114
pdcgrou5	-.0007119	.0388715	-0.02	0.985	-.0769064	.0754827
cohort2000	.0163382	.0470652	0.35	0.728	-.0759172	.1085936
cohort2001	.0040051	.0762799	0.05	0.958	-.145516	.1535261
cohort2002	-.0489503	.0967531	-0.51	0.613	-.238602	.1407014
cohort2003	.1756261	.1409302	1.25	0.213	-.10062	.4518722
cohort2004	.4163276	.1854576	2.24	0.025	.0528005	.7798546
award_b4_tsd	.0382043	.0389349	0.98	0.326	-.0381144	.1145231
diaward_tsd	-.0026044	.0031463	-0.83	0.408	-.0087716	.0035628
epeb4twp_flag	-1.373145	.2322021	-5.91	0.000	-1.828299	-.9179911
ldwb4twp_flag	.1408505	.5785329	0.24	0.808	-.9931676	1.274869
ldwb4epe_flag	.9219606	.5995668	1.54	0.124	-.2532874	2.097209
twpb4tsd	1.225575	.1164313	10.53	0.000	.9973505	1.453799
epeb4tsd	1.216896	.2240532	5.43	0.000	.7777156	1.656077
ldwb4tsd	6.472763	.3714612	17.43	0.000	5.744639	7.200887
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				

st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				
st_WY	0	(omitted)				
pial	-.000412	.0001498	-2.75	0.006	-.0007056	-.0001185
pia_miss	-.5124542	.1465436	-3.50	0.000	-.7997035	-.2252049
ime1	.000128	.0000461	2.78	0.005	.0000377	.0002183
ime_miss	.2990129	.0892973	3.35	0.001	.1239758	.4740501
_cons	.0388135	.1277511	0.30	0.761	-.2115994	.2892264

(1) motoimm = 0

F(1, 11978) = 3.22
 Prob > F = 0.0727

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_nounemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity

note: st_HI omitted because of collinearity

note: st_IA omitted because of collinearity

note: st_ID omitted because of collinearity

note: st_IL omitted because of collinearity

note: st_IN omitted because of collinearity
 note: st_KS omitted because of collinearity
 note: st_KY omitted because of collinearity
 note: st_LA omitted because of collinearity
 note: st_MA omitted because of collinearity
 note: st_MD omitted because of collinearity
 note: st_ME omitted because of collinearity
 note: st_MI omitted because of collinearity
 note: st_MN omitted because of collinearity
 note: st_MO omitted because of collinearity
 note: st_MS omitted because of collinearity
 note: st_MT omitted because of collinearity
 note: st_NC omitted because of collinearity
 note: st_ND omitted because of collinearity
 note: st_NE omitted because of collinearity
 note: st_NH omitted because of collinearity
 note: st_NJ omitted because of collinearity
 note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(43, 11978) = .
 Prob > F = .
 R-squared = 0.3967
 Root MSE = 2.486

nstw24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0073679	.0098938	0.74	0.456	-.0120255	.0267613
male	.1249121	.0474741	2.63	0.009	.0318552	.2179691
gendermiss_flag	0	(omitted)				
tsd_age	-.0145603	.0054417	-2.68	0.007	-.0252268	-.0038937
doage2	-.0002208	.0045679	-0.05	0.961	-.0091747	.0087331
doage2miss_flag	0	(omitted)				
race_a	.1044736	.1826806	0.57	0.567	-.25361	.4625571
race_b	.1344241	.0679429	1.98	0.048	.0012449	.2676033
race_h	.2615819	.0797139	3.28	0.001	.1053297	.4178341
race_i	-.0046262	.6125607	-0.01	0.994	-1.205345	1.196092
race_o	.17025	.1644066	1.04	0.300	-.1520136	.4925135
race_mis	.1544607	.1422582	1.09	0.278	-.1243884	.4333098
tsd_edu_hs	.1865287	.0639318	2.92	0.004	.0612119	.3118454
tsd_edu_mrhs	.3070339	.0782527	3.92	0.000	.1536459	.460422
tsd_edu_mis	.1408701	.0696275	2.02	0.043	.0043889	.2773513

tsd_mie_exp	-.0111845	.1496036	-0.07	0.940	-.3044318	.2820629
tsd_mie_mis	-.0263481	.0773239	-0.34	0.733	-.1779155	.1252193
tsd_mie_psbl	-.1158531	.0786782	-1.47	0.141	-.2700752	.038369
tsd_medicare	-.1111413	.0657827	-1.69	0.091	-.2400862	.0178035
tsd_medicare_miss	-.3696697	.0986207	-3.75	0.000	-.5629823	-.1763572
tsd_depend_1	-.1324662	.0683607	-1.94	0.053	-.2664643	.0015319
tsd_depend_2	-.1389698	.057868	-2.40	0.016	-.2524004	-.0255392
tsd_depend_miss	.0774284	.1195328	0.65	0.517	-.1568753	.3117321
tsd_vrpr	.3205938	.0901941	3.55	0.000	.1437987	.4973888
tsd_vrpr_miss	.3193066	.0714757	4.47	0.000	.1792026	.4594106
pdgroup2	-.1690898	.0897345	-1.88	0.060	-.344984	.0068044
pdgroup3	.0348843	.0835095	0.42	0.676	-.1288078	.1985764
pdgroup4	.0997765	.0814048	1.23	0.220	-.0597901	.2593431
pdgroup5	-.1410577	.1032824	-1.37	0.172	-.3435079	.0613925
cohort2000	-.0117233	.1070716	-0.11	0.913	-.2216009	.1981542
cohort2001	-.0601556	.1769723	-0.34	0.734	-.40705	.2867387
cohort2002	-.2559603	.2344727	-1.09	0.275	-.7155648	.2036443
cohort2003	.0607201	.2974367	0.20	0.838	-.5223039	.6437442
cohort2004	.6173899	.4005011	1.54	0.123	-.1676572	1.402437
award_b4_tsd	.2459513	.1181904	2.08	0.037	.014279	.4776237
diaward_tsd	-.0107647	.0075359	-1.43	0.153	-.0255364	.004007
epeb4twp_flag	-2.520751	.4757436	-5.30	0.000	-3.453285	-1.588216
ldwb4twp_flag	-1.611023	2.85422	-0.56	0.572	-7.205757	3.983711
ldwb4epe_flag	3.212168	1.589579	2.02	0.043	.0963347	6.328001
twpb4tsd	3.621848	.2822124	12.83	0.000	3.068666	4.175031
epeb4tsd	1.904637	.4529833	4.20	0.000	1.016716	2.792558
ldwb4tsd	11.52844	.7450185	15.47	0.000	10.06808	12.9888
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				

st_OR		0	(omitted)				
st_PA		0	(omitted)				
st_PR		0	(omitted)				
st_RI		0	(omitted)				
st_SC		0	(omitted)				
st_SD		0	(omitted)				
st_TN		0	(omitted)				
st_TX		0	(omitted)				
st_UT		0	(omitted)				
st_VA		0	(omitted)				
st_VT		0	(omitted)				
st_WA		0	(omitted)				
st_WI		0	(omitted)				
st_WV		0	(omitted)				
st_WY		0	(omitted)				
pial		-.0007128	.0002982	-2.39	0.017	-.0012973	-.0001283
pia_miss		-1.001611	.2880274	-3.48	0.001	-1.566191	-.4370303
ime1		.0002307	.0000919	2.51	0.012	.0000506	.0004108
ime_miss		.4271086	.1760579	2.43	0.015	.0820065	.7722106
_cons		.6470797	.3123077	2.07	0.038	.0349061	1.259253

(1) motoimm = 0

F(1, 11978) = 0.55
 Prob > F = 0.4565

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_nounemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity

note: st_HI omitted because of collinearity

note: st_IA omitted because of collinearity

note: st_ID omitted because of collinearity

note: st_IL omitted because of collinearity

note: st_IN omitted because of collinearity

note: st_KS omitted because of collinearity

note: st_KY omitted because of collinearity

note: st_LA omitted because of collinearity

note: st_MA omitted because of collinearity

note: st_MD omitted because of collinearity

note: st_ME omitted because of collinearity

note: st_MI omitted because of collinearity

note: st_MN omitted because of collinearity

note: st_MO omitted because of collinearity

note: st_MS omitted because of collinearity

note: st_MT omitted because of collinearity

note: st_NC omitted because of collinearity

note: st_ND omitted because of collinearity

note: st_NE omitted because of collinearity

note: st_NH omitted because of collinearity

note: st_NJ omitted because of collinearity

note: st_NM omitted because of collinearity
 note: st_NV omitted because of collinearity
 note: st_NY omitted because of collinearity
 note: st_OH omitted because of collinearity
 note: st_OK omitted because of collinearity
 note: st_OR omitted because of collinearity
 note: st_PA omitted because of collinearity
 note: st_PR omitted because of collinearity
 note: st_RI omitted because of collinearity
 note: st_SC omitted because of collinearity
 note: st_SD omitted because of collinearity
 note: st_TN omitted because of collinearity
 note: st_TX omitted because of collinearity
 note: st_UT omitted because of collinearity
 note: st_VA omitted because of collinearity
 note: st_VT omitted because of collinearity
 note: st_WA omitted because of collinearity
 note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(43, 11978) = .
 Prob > F = .
 R-squared = 0.3261
 Root MSE = 4.2312

nstw36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.007537	.0168959	0.45	0.656	-.0255818	.0406557
male	.2015748	.0809336	2.49	0.013	.0429318	.3602177
gendermiss_flag	0	(omitted)				
tsd_age	-.0367487	.0091331	-4.02	0.000	-.0546511	-.0188463
doage2	-.0006142	.0078461	-0.08	0.938	-.0159939	.0147655
doage2miss_flag	0	(omitted)				
race_a	.2005792	.3128295	0.64	0.521	-.4126173	.8137757
race_b	.3287528	.1129956	2.91	0.004	.1072632	.5502424
race_h	.4901769	.1428469	3.43	0.001	.2101738	.77018
race_i	.5718228	1.111373	0.51	0.607	-1.606648	2.750293
race_o	.3084806	.3015474	1.02	0.306	-.2826011	.8995623
race_mis	.4321924	.2445616	1.77	0.077	-.047188	.9115728
tsd_edu_hs	.3655684	.107303	3.41	0.001	.1552372	.5758997
tsd_edu_mrhs	.7089219	.1343636	5.28	0.000	.4455474	.9722963
tsd_edu_mis	.3296054	.1167005	2.82	0.005	.1008536	.5583573
tsd_mie_exp	-.0915244	.2536045	-0.36	0.718	-.5886303	.4055814
tsd_mie_mis	-.0635063	.1314557	-0.48	0.629	-.3211809	.1941682
tsd_mie_psbl	-.231063	.1315496	-1.76	0.079	-.4889215	.0267956
tsd_medicare	-.1876008	.1112097	-1.69	0.092	-.4055899	.0303883
tsd_medicare_miss	-.8264444	.1699485	-4.86	0.000	-1.159571	-.4933177
tsd_depend_1	-.2871639	.1164519	-2.47	0.014	-.5154285	-.0588993
tsd_depend_2	-.2862574	.0987325	-2.90	0.004	-.479789	-.0927257
tsd_depend_miss	.0255085	.2083019	0.12	0.903	-.382797	.433814
tsd_vrpr	.6144155	.157557	3.90	0.000	.3055783	.9232528
tsd_vrpr_miss	.4894909	.1257539	3.89	0.000	.2429929	.7359889
pdcgrou2	-.3356089	.1507357	-2.23	0.026	-.6310754	-.0401424
pdcgrou3	.0453241	.1433901	0.32	0.752	-.2357438	.326392
pdcgrou4	.1272114	.1371432	0.93	0.354	-.1416114	.3960342
pdcgrou5	-.3892213	.2082399	-1.87	0.062	-.7974053	.0189626
cohort2000	-.1314016	.177675	-0.74	0.460	-.4796734	.2168702
cohort2001	-.3238464	.299198	-1.08	0.279	-.910323	.2626301
cohort2002	-.6248562	.4146214	-1.51	0.132	-1.437581	.1878689

cohort2003	-.3214659	.4994724	-0.64	0.520	-1.300513	.6575809
cohort2004	.2685473	.5754912	0.47	0.641	-.8595087	1.396603
award_b4_tsd	.5042517	.2477325	2.04	0.042	.0186559	.9898476
diaward_tsd	-.0284799	.0129768	-2.19	0.028	-.0539166	-.0030432
epeb4twp_flag	-3.900324	.7353251	-5.30	0.000	-5.341681	-2.458968
ldwb4twp_flag	1.139327	6.67524	0.17	0.864	-11.94523	14.22388
ldwb4epe_flag	7.019238	2.62917	2.67	0.008	1.865638	12.17284
twpb4tsd	5.988163	.4565915	13.11	0.000	5.09317	6.883157
epeb4tsd	2.419649	.6977614	3.47	0.001	1.051924	3.787375
ldwb4tsd	15.85836	1.144592	13.86	0.000	13.61477	18.10194
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				
st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				
st_WY	0	(omitted)				
pial	-.0007854	.0004428	-1.77	0.076	-.0016534	.0000826
pia_miss	-1.316238	.4123732	-3.19	0.001	-2.124557	-.5079199

ime1		.0002647	.0001361	1.94	0.052	-2.07e-06	.0005315
ime_miss		.2985577	.25567	1.17	0.243	-.2025968	.7997123
_cons		1.949213	.5280616	3.69	0.000	.9141269	2.9843

(1) motoimm = 0

F(1, 11978) = 0.20
 Prob > F = 0.6555

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_nounemp.xls

dir : seeout

note: gendermiss_flag omitted because of collinearity

note: doage2miss_flag omitted because of collinearity

note: st_AL omitted because of collinearity

note: st_AR omitted because of collinearity

note: st_AZ omitted because of collinearity

note: st_CA omitted because of collinearity

note: st_CO omitted because of collinearity

note: st_CT omitted because of collinearity

note: st_DC omitted because of collinearity

note: st_DE omitted because of collinearity

note: st_FL omitted because of collinearity

note: st_GA omitted because of collinearity

note: st_HI omitted because of collinearity

note: st_IA omitted because of collinearity

note: st_ID omitted because of collinearity

note: st_IL omitted because of collinearity

note: st_IN omitted because of collinearity

note: st_KS omitted because of collinearity

note: st_KY omitted because of collinearity

note: st_LA omitted because of collinearity

note: st_MA omitted because of collinearity

note: st_MD omitted because of collinearity

note: st_ME omitted because of collinearity

note: st_MI omitted because of collinearity

note: st_MN omitted because of collinearity

note: st_MO omitted because of collinearity

note: st_MS omitted because of collinearity

note: st_MT omitted because of collinearity

note: st_NC omitted because of collinearity

note: st_ND omitted because of collinearity

note: st_NE omitted because of collinearity

note: st_NH omitted because of collinearity

note: st_NJ omitted because of collinearity

note: st_NM omitted because of collinearity

note: st_NV omitted because of collinearity

note: st_NY omitted because of collinearity

note: st_OH omitted because of collinearity

note: st_OK omitted because of collinearity

note: st_OR omitted because of collinearity

note: st_PA omitted because of collinearity

note: st_PR omitted because of collinearity

note: st_RI omitted because of collinearity

note: st_SC omitted because of collinearity

note: st_SD omitted because of collinearity

note: st_TN omitted because of collinearity

note: st_TX omitted because of collinearity

note: st_UT omitted because of collinearity

note: st_VA omitted because of collinearity

note: st_VT omitted because of collinearity

note: st_WA omitted because of collinearity

note: st_WI omitted because of collinearity
 note: st_WV omitted because of collinearity
 note: st_WY omitted because of collinearity

Linear regression

Number of obs = 12023
 F(43, 11978) = .
 Prob > F = .
 R-squared = 0.2813
 Root MSE = 6.1969

nstw48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0011262	.0248521	0.05	0.964	-.0475879	.0498403
male	.2839207	.1184836	2.40	0.017	.0516736	.5161678
gendermiss_flag	0	(omitted)				
tsd_age	-.0666994	.0133624	-4.99	0.000	-.0928919	-.0405069
doage2	-.0019488	.0115494	-0.17	0.866	-.0245874	.0206899
doage2miss_flag	0	(omitted)				
race_a	.3795632	.4607663	0.82	0.410	-.5236133	1.28274
race_b	.5925412	.1638906	3.62	0.000	.2712891	.9137934
race_h	.699559	.2118681	3.30	0.001	.2842633	1.114855
race_i	1.391577	1.69726	0.82	0.412	-1.935327	4.718481
race_o	.6164943	.4588185	1.34	0.179	-.2828643	1.515853
race_mis	.768118	.3609167	2.13	0.033	.0606627	1.475573
tsd_edu_hs	.5477814	.1578937	3.47	0.001	.2382841	.8572787
tsd_edu_mrhs	1.10338	.1970646	5.60	0.000	.7171015	1.489659
tsd_edu_mis	.5277169	.1706124	3.09	0.002	.193289	.8621448
tsd_mie_exp	-.2007603	.3606923	-0.56	0.578	-.9077757	.5062551
tsd_mie_mis	-.0893313	.1910359	-0.47	0.640	-.4637926	.2851299
tsd_mie_psbl	-.3199357	.1899475	-1.68	0.092	-.6922636	.0523922
tsd_medicare	-.2292121	.1613224	-1.42	0.155	-.5454301	.087006
tsd_medicare_miss	-1.275043	.2565478	-4.97	0.000	-1.777918	-.7721675
tsd_depend_1	-.4438332	.1710293	-2.60	0.009	-.7790784	-.1085881
tsd_depend_2	-.4438119	.145625	-3.05	0.002	-.7292604	-.1583633
tsd_depend_miss	.0122319	.3103565	0.04	0.969	-.5961171	.620581
tsd_vrpr	.9827158	.232268	4.23	0.000	.5274329	1.437999
tsd_vrpr_miss	.6259062	.1852444	3.38	0.001	.2627972	.9890151
pdcgrou2	-.5796409	.2207709	-2.63	0.009	-1.012388	-.1468941
pdcgrou3	.0461789	.2144629	0.22	0.830	-.3742031	.4665609
pdcgrou4	.0892768	.2013801	0.44	0.658	-.3054609	.4840145
pdcgrou5	-.7482891	.3331973	-2.25	0.025	-1.40141	-.0951683
cohort2000	-.2055512	.2578897	-0.80	0.425	-.7110569	.2999544
cohort2001	-.5723669	.4383985	-1.31	0.192	-1.431699	.2869652
cohort2002	-.8259631	.6202622	-1.33	0.183	-2.041778	.3898513
cohort2003	-.5332567	.7433984	-0.72	0.473	-1.990438	.9239246
cohort2004	.2058454	.7972221	0.26	0.796	-1.356839	1.76853
award_b4_tsd	.708811	.3912276	1.81	0.070	-.0580586	1.475681
diaward_tsd	-.0430674	.0190778	-2.26	0.024	-.080463	-.0056718
epeb4twp_flag	-5.327032	1.0062	-5.29	0.000	-7.299347	-3.354717
ldwb4twp_flag	.1518144	9.907042	0.02	0.988	-19.26759	19.57122
ldwb4epe_flag	10.81124	3.377552	3.20	0.001	4.190687	17.43179
twpb4tsd	8.362731	.6347924	13.17	0.000	7.118435	9.607027
epeb4tsd	2.746356	.9489638	2.89	0.004	.8862336	4.606479
ldwb4tsd	20.04257	1.550134	12.93	0.000	17.00405	23.08108
st_AL	0	(omitted)				
st_AR	0	(omitted)				
st_AZ	0	(omitted)				
st_CA	0	(omitted)				
st_CO	0	(omitted)				
st_CT	0	(omitted)				
st_DC	0	(omitted)				

st_DE	0	(omitted)				
st_FL	0	(omitted)				
st_GA	0	(omitted)				
st_HI	0	(omitted)				
st_IA	0	(omitted)				
st_ID	0	(omitted)				
st_IL	0	(omitted)				
st_IN	0	(omitted)				
st_KS	0	(omitted)				
st_KY	0	(omitted)				
st_LA	0	(omitted)				
st_MA	0	(omitted)				
st_MD	0	(omitted)				
st_ME	0	(omitted)				
st_MI	0	(omitted)				
st_MN	0	(omitted)				
st_MO	0	(omitted)				
st_MS	0	(omitted)				
st_MT	0	(omitted)				
st_NC	0	(omitted)				
st_ND	0	(omitted)				
st_NE	0	(omitted)				
st_NH	0	(omitted)				
st_NJ	0	(omitted)				
st_NM	0	(omitted)				
st_NV	0	(omitted)				
st_NY	0	(omitted)				
st_OH	0	(omitted)				
st_OK	0	(omitted)				
st_OR	0	(omitted)				
st_PA	0	(omitted)				
st_PR	0	(omitted)				
st_RI	0	(omitted)				
st_SC	0	(omitted)				
st_SD	0	(omitted)				
st_TN	0	(omitted)				
st_TX	0	(omitted)				
st_UT	0	(omitted)				
st_VA	0	(omitted)				
st_VT	0	(omitted)				
st_WA	0	(omitted)				
st_WI	0	(omitted)				
st_WV	0	(omitted)				
st_WY	0	(omitted)				
pial	-.0007217	.0006035	-1.20	0.232	-.0019046	.0004613
pia_miss	-1.663259	.5469958	-3.04	0.002	-2.735459	-.5910585
ime1	.0002257	.0001844	1.22	0.221	-.0001356	.0005871
ime_miss	-.0445224	.3414728	-0.13	0.896	-.7138645	.6248197
_cons	3.680815	.7677863	4.79	0.000	2.175829	5.1858

(1) motoimm = 0

F(1, 11978) = 0.00
 Prob > F = 0.9639

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NY_nounemp.xls

dir : seeout

note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080

F(45, 51) = .
 Prob > F = .
 R-squared = 0.1204
 Root MSE = .14385

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0002795	.0008336	-0.34	0.739	-.0019529	.001394
male	.0017182	.0011343	1.51	0.136	-.0005591	.0039955
gendermiss_flag	-.0117759	.0024324	-4.84	0.000	-.0166592	-.0068926
tsd_age	-.000801	.0001491	-5.37	0.000	-.0011004	-.0005015
doage2	-.0000883	.0001341	-0.66	0.513	-.0003575	.0001808
doage2miss_flag	-.0009926	.0062008	-0.16	0.873	-.0134412	.011456
race_a	.0025978	.0041433	0.63	0.533	-.0057202	.0109158
race_b	.0092587	.0040875	2.27	0.028	.0010527	.0174646
race_h	-.0001267	.0016443	-0.08	0.939	-.0034279	.0031745
race_i	-.0042956	.0051021	-0.84	0.404	-.0145385	.0059473
race_o	.0032306	.0065133	0.50	0.622	-.0098455	.0163067
race_mis	-.0021884	.0039513	-0.55	0.582	-.010121	.0057442
tsd_edu_hs	.002301	.0012505	1.84	0.072	-.0002094	.0048114
tsd_edu_mrhs	.0085497	.0017156	4.98	0.000	.0051056	.0119938
tsd_edu_mis	.0058312	.0018494	3.15	0.003	.0021184	.009544
tsd_mie_exp	.006376	.0041627	1.53	0.132	-.0019811	.014733
tsd_mie_mis	.0016291	.0024084	0.68	0.502	-.0032059	.0064641
tsd_mie_psbl	-.001084	.0023569	-0.46	0.648	-.0058155	.0036476
tsd_medicare	-.008643	.0012374	-6.98	0.000	-.0111273	-.0061587
tsd_medicare_miss	-.0081109	.002089	-3.88	0.000	-.0123048	-.0039171
tsd_depend_1	.0001362	.0014997	0.09	0.928	-.0028745	.0031469
tsd_depend_2	-.0030688	.0023137	-1.33	0.191	-.0077139	.0015762
tsd_depend_miss	.0004416	.0028942	0.15	0.879	-.0053688	.006252
tsd_vrpr	.0098629	.0025554	3.86	0.000	.0047326	.0149931
tsd_vrpr_miss	.0115241	.0028086	4.10	0.000	.0058855	.0171626
pdcgrou2	.0000719	.0016469	0.04	0.965	-.0032344	.0033782
pdcgrou3	.0036266	.0032849	1.10	0.275	-.0029682	.0102214
pdcgrou4	.0041911	.0019626	2.14	0.038	.0002509	.0081312
pdcgrou5	.0204513	.0257617	0.79	0.431	-.0312674	.0721699
cohort2000	.0029862	.0028678	1.04	0.303	-.0027711	.0087436
cohort2001	.0018476	.0055046	0.34	0.739	-.0092034	.0128986
cohort2002	.0000307	.0054292	0.01	0.996	-.0108688	.0109302
cohort2003	.0021873	.0080329	0.27	0.786	-.0139393	.018314
cohort2004	.0061171	.0076694	0.80	0.429	-.0092799	.0215141
award_b4_tsd	-.0048537	.0034326	-1.41	0.163	-.0117449	.0020375
diaward_tsd	-.0002463	.0001945	-1.27	0.211	-.0006368	.0001443
epeb4twp_flag	-.0357592	.0377764	-0.95	0.348	-.1115984	.04008
ldwb4twp_flag	.3032021	.0976543	3.10	0.003	.1071528	.4992514
ldwb4epe_flag	.0925776	.0246964	3.75	0.000	.0429976	.1421576
twpb4tsd	.1828924	.0069954	26.14	0.000	.1688485	.1969363
epeb4tsd	.106462	.0121512	8.76	0.000	.0820674	.1308566
ldwb4tsd	-.1529899	.0082956	-18.44	0.000	-.1696441	-.1363358
st_AL	-.0181387	.0014446	-12.56	0.000	-.0210389	-.0152385
st_AR	.0564957	.0013651	41.39	0.000	.0537553	.0592362
st_AZ	.005917	.0014143	4.18	0.000	.0030778	.0087563
st_CA	.0499968	.0013263	37.70	0.000	.0473341	.0526594
st_CO	.0021658	.0015273	1.42	0.162	-.0009003	.0052319
st_CT	.0122535	.0018012	6.80	0.000	.0086374	.0158695
st_DC	.3289469	.0025237	130.34	0.000	.3238804	.3340135
st_DE	.0009642	.0016385	0.59	0.559	-.0023252	.0042536
st_FL	.0052666	.0013955	3.77	0.000	.0024651	.0080682
st_GA	.0008653	.0016365	0.53	0.599	-.0024202	.0041507
st_HI	-.0123261	.0019828	-6.22	0.000	-.0163067	-.0083454

st_IA	.0057124	.0015351	3.72	0.000	.0026306	.0087942
st_ID	-.0341177	.0020893	-16.33	0.000	-.0383121	-.0299232
st_IL	.0079389	.0012954	6.13	0.000	.0053383	.0105394
st_IN	.0029676	.0020707	1.43	0.158	-.0011894	.0071246
st_KS	-.0080084	.0014274	-5.61	0.000	-.010874	-.0051428
st_KY	-.0258586	.0013711	-18.86	0.000	-.0286111	-.023106
st_LA	.0402496	.0028718	14.02	0.000	.0344841	.0460151
st_MA	.0113467	.0015537	7.30	0.000	.0082276	.0144659
st_MD	.0141592	.0018819	7.52	0.000	.0103811	.0179372
st_ME	.0938701	.0024411	38.45	0.000	.0889694	.0987709
st_MI	.0264826	.0014645	18.08	0.000	.0235425	.0294227
st_MN	-.0271554	.0016436	-16.52	0.000	-.0304552	-.0238557
st_MO	.0349155	.0017536	19.91	0.000	.0313949	.038436
st_MS	-.0202215	.0021903	-9.23	0.000	-.0246186	-.0158244
st_MT	.0043051	.0031045	1.39	0.172	-.0019274	.0105375
st_NC	-.0301049	.0014525	-20.73	0.000	-.0330209	-.027189
st_ND	0	(omitted)				
st_NE	-.0454663	.0028546	-15.93	0.000	-.0511972	-.0397354
st_NH	-.0445607	.0021754	-20.48	0.000	-.0489279	-.0401934
st_NJ	-.00669	.0015459	-4.33	0.000	-.0097936	-.0035864
st_NM	-.016897	.0025866	-6.53	0.000	-.0220898	-.0117042
st_NV	.0017495	.0019584	0.89	0.376	-.0021821	.0056811
st_NY	0	(omitted)				
st_OH	-.0168116	.0011752	-14.31	0.000	-.0191708	-.0144523
st_OK	.0017048	.0012173	1.40	0.167	-.000739	.0041487
st_OR	-.0012047	.0013954	-0.86	0.392	-.004006	.0015967
st_PA	.0094381	.0016604	5.68	0.000	.0061048	.0127715
st_PR	-.0144318	.0025652	-5.63	0.000	-.0195816	-.0092819
st_RI	.1355295	.0017198	78.80	0.000	.1320768	.1389822
st_SC	.0015369	.0016872	0.91	0.367	-.0018503	.0049241
st_SD	-.0555516	.0027148	-20.46	0.000	-.0610018	-.0501013
st_TN	.0157303	.0016378	9.60	0.000	.0124423	.0190184
st_TX	.0176228	.0016664	10.58	0.000	.0142773	.0209683
st_UT	-.0213177	.0019396	-10.99	0.000	-.0252115	-.0174238
st_VA	.0458886	.0021109	21.74	0.000	.0416507	.0501264
st_VT	.0066157	.0017725	3.73	0.000	.0030573	.0101741
st_WA	.0708276	.0014723	48.11	0.000	.0678719	.0737833
st_WI	.0062886	.0013695	4.59	0.000	.0035393	.0090379
st_WV	.006155	.0013412	4.59	0.000	.0034624	.0088476
st_WY	-.0120565	.0026865	-4.49	0.000	-.0174499	-.0066631
pial	-.00002	6.63e-06	-3.02	0.004	-.0000333	-6.71e-06
pia_miss	-.0339003	.0067096	-5.05	0.000	-.0473704	-.0204303
ime1	8.39e-06	2.38e-06	3.52	0.001	3.61e-06	.0000132
ime_miss	.0103598	.0034672	2.99	0.004	.0033991	.0173204
_cons	.0288317	.0071521	4.03	0.000	.0144733	.0431902

(1) motoimm = 0

F(1, 51) = 0.11
 Prob > F = 0.7388

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_nounemp.x
 > ls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.1154

Root MSE = .19579

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0001241	.0012787	0.10	0.923	-.0024429	.0026911
male	.0020541	.0020355	1.01	0.318	-.0020323	.0061406
gendermiss_flag	-.0187015	.00311	-6.01	0.000	-.0249451	-.0124579
tsd_age	-.0017342	.0001597	-10.86	0.000	-.0020548	-.0014137
doage2	-.0000415	.0001521	-0.27	0.786	-.0003468	.0002638
doage2miss_flag	-.0156178	.010956	-1.43	0.160	-.0376129	.0063773
race_a	.0081926	.0055022	1.49	0.143	-.0028535	.0192387
race_b	.014647	.0049003	2.99	0.004	.0048092	.0244848
race_h	.0074695	.0040173	1.86	0.069	-.0005956	.0155347
race_i	-.0000239	.0066205	-0.00	0.997	-.0133152	.0132674
race_o	-.0080916	.0084734	-0.95	0.344	-.0251026	.0089194
race_mis	.0085743	.0075108	1.14	0.259	-.0065042	.0236529
tsd_edu_hs	.0021781	.0016922	1.29	0.204	-.001219	.0055753
tsd_edu_mrhs	.018972	.0028281	6.71	0.000	.0132944	.0246496
tsd_edu_mis	.0112623	.0023766	4.74	0.000	.006491	.0160336
tsd_mie_exp	.0076413	.0056606	1.35	0.183	-.0037229	.0190055
tsd_mie_mis	-.002367	.00398	-0.59	0.555	-.0103573	.0056232
tsd_mie_psbl	-.0014285	.0033501	-0.43	0.672	-.008154	.005297
tsd_medicare	-.011176	.0016899	-6.61	0.000	-.0145687	-.0077833
tsd_medicare_miss	-.0275793	.0032026	-8.61	0.000	-.0340089	-.0211497
tsd_depend_1	-.0085732	.0017856	-4.80	0.000	-.012158	-.0049883
tsd_depend_2	-.0080592	.0026465	-3.05	0.004	-.0133723	-.0027461
tsd_depend_miss	-.0090229	.005467	-1.65	0.105	-.0199982	.0019525
tsd_vrpr	.0155007	.0039017	3.97	0.000	.0076676	.0233338
tsd_vrpr_miss	.0114122	.0043063	2.65	0.011	.0027669	.0200575
pdcgrou2	-.0084928	.0021086	-4.03	0.000	-.0127259	-.0042596
pdcgrou3	.0042103	.0031767	1.33	0.191	-.0021672	.0105878
pdcgrou4	.0042309	.002129	1.99	0.052	-.0000432	.0085051
pdcgrou5	.0115975	.0259739	0.45	0.657	-.0405472	.0637423
cohort2000	-.0025172	.0031485	-0.80	0.428	-.0088381	.0038038
cohort2001	-.0086899	.0068313	-1.27	0.209	-.0224043	.0050246
cohort2002	-.006657	.0105894	-0.63	0.532	-.0279162	.0146022
cohort2003	.0083547	.01044	0.80	0.427	-.0126044	.0293138
cohort2004	-.0125433	.0134642	-0.93	0.356	-.0395738	.0144872
award_b4_tsd	.0053331	.0067381	0.79	0.432	-.0081943	.0188605
diaward_tsd	-.0009631	.0002801	-3.44	0.001	-.0015253	-.0004009
epeb4twp_flag	-.0377342	.0420378	-0.90	0.374	-.1221287	.0466603
ldwb4twp_flag	.2717136	.1099376	2.47	0.017	.0510046	.4924226
ldwb4epe_flag	.328229	.0447595	7.33	0.000	.2383704	.4180875
twpb4tsd	.2400316	.0105898	22.67	0.000	.2187717	.2612914
epeb4tsd	.1024258	.0101467	10.09	0.000	.0820554	.1227963
ldwb4tsd	-.1946764	.0084433	-23.06	0.000	-.2116269	-.1777259
st_AL	.0269437	.0030677	8.78	0.000	.020785	.0331023
st_AR	.0571114	.0030372	18.80	0.000	.051014	.0632088
st_AZ	.0214948	.0031936	6.73	0.000	.0150833	.0279063
st_CA	.0675876	.0030991	21.81	0.000	.0613658	.0738094
st_CO	.0201968	.0031907	6.33	0.000	.0137912	.0266024
st_CT	.0569822	.0034559	16.49	0.000	.0500442	.0639203
st_DC	.3133545	.0044677	70.14	0.000	.3043853	.3223237
st_DE	.0250138	.0032562	7.68	0.000	.0184767	.031551
st_FL	.0197813	.0030919	6.40	0.000	.0135742	.0259885
st_GA	.0114868	.003261	3.52	0.001	.0049401	.0180336
st_HI	-.0170959	.0035801	-4.78	0.000	-.0242832	-.0099086
st_IA	.0146625	.0031421	4.67	0.000	.0083545	.0209704
st_ID	-.0441238	.0036056	-12.24	0.000	-.0513624	-.0368852
st_IL	.024644	.0030369	8.11	0.000	.0185472	.0307409

st_IN	.0685098	.0037274	18.38	0.000	.0610268	.0759927
st_KS	-.0089618	.0032833	-2.73	0.009	-.0155534	-.0023703
st_KY	-.0307141	.0032994	-9.31	0.000	-.0373379	-.0240903
st_LA	.1223348	.0049287	24.82	0.000	.11244	.1322297
st_MA	.0346169	.0032003	10.82	0.000	.0281921	.0410418
st_MD	-.0010728	.0037659	-0.28	0.777	-.0086332	.0064876
st_ME	.0896911	.0034587	25.93	0.000	.0827476	.0966347
st_MI	.0160193	.0033481	4.78	0.000	.0092978	.0227409
st_MN	.0020445	.0035238	0.58	0.564	-.0050297	.0091188
st_MO	.0226378	.0033525	6.75	0.000	.0159074	.0293682
st_MS	-.0289394	.0036035	-8.03	0.000	-.0361738	-.0217051
st_MT	-.0204415	.0057276	-3.57	0.001	-.03194	-.0089429
st_NC	-.0379244	.0031555	-12.02	0.000	-.0442594	-.0315894
st_ND	0	(omitted)				
st_NE	-.0001178	.0036036	-0.03	0.974	-.0073523	.0071166
st_NH	.0056877	.0038039	1.50	0.141	-.0019489	.0133242
st_NJ	.0041602	.0035635	1.17	0.248	-.0029938	.0113142
st_NM	-.0263108	.0034667	-7.59	0.000	-.0332706	-.0193511
st_NV	-.0121973	.003797	-3.21	0.002	-.01982	-.0045746
st_NY	0	(omitted)				
st_OH	.0062721	.0029558	2.12	0.039	.0003381	.0122061
st_OK	.0112097	.0029935	3.74	0.000	.0052	.0172195
st_OR	.0046611	.003115	1.50	0.141	-.0015924	.0109147
st_PA	-.0000925	.0034517	-0.03	0.979	-.0070219	.006837
st_PR	-.021383	.0045179	-4.73	0.000	-.0304531	-.0123128
st_RI	.1258824	.0039953	31.51	0.000	.1178615	.1339034
st_SC	.0087311	.003207	2.72	0.009	.0022928	.0151694
st_SD	.0747315	.0046378	16.11	0.000	.0654208	.0840422
st_TN	.0077177	.0032487	2.38	0.021	.0011957	.0142397
st_TX	.009857	.0032747	3.01	0.004	.0032828	.0164312
st_UT	-.0338652	.0040717	-8.32	0.000	-.0420394	-.025691
st_VA	.077049	.0035732	21.56	0.000	.0698754	.0842225
st_VT	.0176689	.0033416	5.29	0.000	.0109603	.0243775
st_WA	.0588774	.0031721	18.56	0.000	.0525091	.0652458
st_WI	.0167067	.0030725	5.44	0.000	.0105383	.0228751
st_WV	.0044996	.0035678	1.26	0.213	-.002663	.0116622
st_WY	-.0252883	.0038424	-6.58	0.000	-.0330023	-.0175743
pial	-.0000211	9.62e-06	-2.20	0.033	-.0000404	-1.82e-06
pia_miss	-.0374561	.0088909	-4.21	0.000	-.0553053	-.0196069
ime1	8.45e-06	3.55e-06	2.38	0.021	1.31e-06	.0000156
ime_miss	.0002265	.0051777	0.04	0.965	-.0101682	.0106211
_cons	.0817664	.0091696	8.92	0.000	.0633576	.1001752

(1) motoimm = 0

F(1, 51) = 0.01
 Prob > F = 0.9230

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_nounemp.x

> ls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.1123
 Root MSE = .23198

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0006618	.0009703	-0.68	0.498	-.0026097	.0012861
male	.0035377	.0025548	1.38	0.172	-.0015913	.0086667
gendermiss_flag	-.0271298	.0031478	-8.62	0.000	-.0334492	-.0208103
tsd_age	-.0025625	.0002013	-12.73	0.000	-.0029665	-.0021584
doage2	-.0001252	.000151	-0.83	0.411	-.0004284	.000178
doage2miss_flag	-.0316023	.0174339	-1.81	0.076	-.0666023	.0033978
race_a	.0015224	.0077013	0.20	0.844	-.0139386	.0169834
race_b	.0217199	.0040183	5.41	0.000	.0136527	.029787
race_h	.0131389	.0061794	2.13	0.038	.0007333	.0255446
race_i	.003518	.0128381	0.27	0.785	-.0222556	.0292916
race_o	-.0135319	.0074999	-1.80	0.077	-.0285886	.0015248
race_mis	.0072041	.0082782	0.87	0.388	-.0094151	.0238232
tsd_edu_hs	.0055149	.0024075	2.29	0.026	.0006817	.0103481
tsd_edu_mrhs	.0302297	.0038639	7.82	0.000	.0224725	.0379869
tsd_edu_mis	.0171974	.0032843	5.24	0.000	.010604	.0237908
tsd_mie_exp	.0044841	.0056889	0.79	0.434	-.0069368	.015905
tsd_mie_mis	-.0039897	.0046883	-0.85	0.399	-.0134018	.0054223
tsd_mie_psbl	-.0056093	.0036008	-1.56	0.125	-.0128382	.0016195
tsd_medicare	-.0139982	.0019713	-7.10	0.000	-.0179558	-.0100406
tsd_medicare_miss	-.0397405	.0028415	-13.99	0.000	-.045445	-.034036
tsd_depend_1	-.0118115	.0025817	-4.58	0.000	-.0169944	-.0066286
tsd_depend_2	-.0079881	.0018926	-4.22	0.000	-.0117876	-.0041887
tsd_depend_miss	-.0153251	.0081699	-1.88	0.066	-.0317268	.0010767
tsd_vrpr	.0124173	.0056621	2.19	0.033	.0010502	.0237844
tsd_vrpr_miss	-.0032581	.0060336	-0.54	0.592	-.0153711	.0088549
pdcgrou2	-.0148614	.0026758	-5.55	0.000	-.0202332	-.0094895
pdcgrou3	.0013354	.0032987	0.40	0.687	-.005287	.0079579
pdcgrou4	.0009624	.0030535	0.32	0.754	-.0051677	.0070926
pdcgrou5	.0006836	.0266108	0.03	0.980	-.0527398	.054107
cohort2000	.0001173	.0028131	0.04	0.967	-.0055303	.0057648
cohort2001	-.0027386	.0069708	-0.39	0.696	-.016733	.0112558
cohort2002	-.0007053	.0085696	-0.08	0.935	-.0179095	.0164988
cohort2003	.0421758	.0119818	3.52	0.001	.0181214	.0662303
cohort2004	.0196709	.0130029	1.51	0.136	-.0064334	.0457752
award_b4_tsd	.0156135	.0090461	1.73	0.090	-.0025474	.0337744
diaward_tsd	-.0009739	.0003328	-2.93	0.005	-.0016421	-.0003057
epeb4twp_flag	-.0440264	.0442896	-0.99	0.325	-.1329415	.0448887
ldwb4twp_flag	.2497192	.113517	2.20	0.032	.0218244	.477614
ldwb4epe_flag	.4368516	.0531941	8.21	0.000	.3300599	.5436433
twpb4tsd	.2693617	.0136316	19.76	0.000	.241995	.2967284
epeb4tsd	.0936198	.0096313	9.72	0.000	.0742841	.1129555
ldwb4tsd	-.2208475	.0079281	-27.86	0.000	-.2367637	-.2049312
st_AL	.0018361	.0207056	0.09	0.930	-.039732	.0434043
st_AR	.0346005	.020627	1.68	0.100	-.00681	.076011
st_AZ	.0226579	.0206775	1.10	0.278	-.0188539	.0641697
st_CA	.0757748	.0206971	3.66	0.001	.0342238	.1173259
st_CO	.0126775	.0207024	0.61	0.543	-.0288843	.0542393
st_CT	.025792	.0207792	1.24	0.220	-.015924	.0675079
st_DC	.2799298	.0209967	13.33	0.000	.2377771	.3220824
st_DE	.0279671	.0207031	1.35	0.183	-.0135962	.0695304
st_FL	.0153499	.0206724	0.74	0.461	-.0261517	.0568514
st_GA	.0037521	.0207236	0.18	0.857	-.0378522	.0453564
st_HI	-.039304	.0208857	-1.88	0.066	-.0812338	.0026258
st_IA	.0097537	.0207013	0.47	0.640	-.0318058	.0513133
st_ID	-.0717719	.0207765	-3.45	0.001	-.1134824	-.0300614
st_IL	.0187705	.0206768	0.91	0.368	-.0227399	.0602809
st_IN	.0791122	.0208916	3.79	0.000	.0371706	.1210539
st_KS	-.031544	.0207608	-1.52	0.135	-.0732231	.0101351
st_KY	.0020326	.0207859	0.10	0.922	-.0396967	.0437619

st_LA	.0958133	.0212385	4.51	0.000	.0531752	.1384514
st_MA	.0292458	.0206833	1.41	0.163	-.0122777	.0707693
st_MD	.0270054	.0207889	1.30	0.200	-.0147301	.0687409
st_ME	.1714259	.0207954	8.24	0.000	.1296774	.2131744
st_MI	.0132297	.0207232	0.64	0.526	-.0283738	.0548332
st_MN	.0121102	.0208399	0.58	0.564	-.0297278	.0539481
st_MO	-.0087125	.020723	-0.42	0.676	-.0503157	.0328906
st_MS	.172001	.0208229	8.26	0.000	.1301972	.2138048
st_MT	-.0675995	.0220913	-3.06	0.004	-.1119497	-.0232493
st_NC	-.0381	.0206848	-1.84	0.071	-.0796265	.0034266
st_ND	0	(omitted)				
st_NE	-.0230612	.020778	-1.11	0.272	-.0647748	.0186525
st_NH	.0386296	.0207813	1.86	0.069	-.0030906	.0803498
st_NJ	.0354097	.0208073	1.70	0.095	-.0063627	.0771822
st_NM	-.0502399	.0208559	-2.41	0.020	-.0921098	-.0083699
st_NV	-.0051421	.0208695	-0.25	0.806	-.0470393	.0367551
st_NY	0	(omitted)				
st_OH	.0097569	.0206656	0.47	0.639	-.0317309	.0512448
st_OK	.0054071	.0206524	0.26	0.795	-.0360544	.0468686
st_OR	.0009894	.0206792	0.05	0.962	-.0405259	.0425046
st_PA	.0129534	.0207717	0.62	0.536	-.0287475	.0546543
st_PR	-.0543332	.0213345	-2.55	0.014	-.0971639	-.0115025
st_RI	.0955108	.0208888	4.57	0.000	.0535748	.1374468
st_SC	-.0045853	.0206754	-0.22	0.825	-.0460929	.0369224
st_SD	.1921919	.0212604	9.04	0.000	.1495098	.234874
st_TN	.0638177	.0207491	3.08	0.003	.0221621	.1054733
st_TX	-.0175531	.020689	-0.85	0.400	-.059088	.0239819
st_UT	-.0663142	.0210118	-3.16	0.003	-.1084972	-.0241312
st_VA	.0886353	.0207788	4.27	0.000	.04692	.1303505
st_VT	.0159352	.0207114	0.77	0.445	-.0256447	.0575151
st_WA	.0631338	.0207114	3.05	0.004	.0215538	.1047137
st_WI	.0044541	.0206819	0.22	0.830	-.0370665	.0459748
st_WV	-.0189162	.0208811	-0.91	0.369	-.0608368	.0230044
st_WY	-.0542821	.0209156	-2.60	0.012	-.0962719	-.0122923
pial	-.0000208	8.76e-06	-2.37	0.021	-.0000384	-3.20e-06
pia_miss	-.0458728	.0099127	-4.63	0.000	-.0657735	-.0259722
ime1	8.52e-06	3.56e-06	2.39	0.020	1.37e-06	.0000157
ime_miss	-.0093592	.0059516	-1.57	0.122	-.0213076	.0025893
_cons	.149289	.0230984	6.46	0.000	.1029169	.195661

(1) motoimm = 0

F(1, 51) = 0.47
 Prob > F = 0.4983

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_nounemp.x

> ls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.1132
 Root MSE = .25605

(Std. Err. adjusted for 52 clusters in tsd_state)

ldwroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
-----------	-------	------------------	---	------	----------------------

motoimm	-.0004545	.0010687	-0.43	0.672	-.0026	.0016911
male	.005621	.0030204	1.86	0.069	-.0004427	.0116847
gendermiss_flag	-.0363099	.0045127	-8.05	0.000	-.0453696	-.0272502
tsd_age	-.0032817	.0002372	-13.84	0.000	-.0037578	-.0028055
doage2	-.0002438	.0001745	-1.40	0.168	-.0005941	.0001065
doage2miss_flag	.2887342	.2521984	1.14	0.258	-.2175753	.7950436
race_a	.0045751	.010155	0.45	0.654	-.0158119	.024962
race_b	.0261129	.0046032	5.67	0.000	.0168716	.0353541
race_h	.0138911	.0068735	2.02	0.049	.0000919	.0276903
race_i	.0097064	.0175451	0.55	0.583	-.0255168	.0449296
race_o	-.0126678	.007438	-1.70	0.095	-.0276003	.0022646
race_mis	.0099219	.0109781	0.90	0.370	-.0121176	.0319614
tsd_edu_hs	.0067248	.002181	3.08	0.003	.0023463	.0111033
tsd_edu_mrhs	.0363989	.0048854	7.45	0.000	.026591	.0462068
tsd_edu_mis	.0171772	.0031973	5.37	0.000	.0107584	.0235959
tsd_mie_exp	.0109601	.0052606	2.08	0.042	.0003991	.0215211
tsd_mie_mis	-.0033744	.004542	-0.74	0.461	-.0124928	.0057441
tsd_mie_psbl	-.0067546	.0033414	-2.02	0.048	-.0134627	-.0000464
tsd_medicare	-.0165309	.0023962	-6.90	0.000	-.0213415	-.0117204
tsd_medicare_miss	-.050751	.0039604	-12.81	0.000	-.0587018	-.0428002
tsd_depend_1	-.013141	.0042848	-3.07	0.003	-.021743	-.0045389
tsd_depend_2	-.0071827	.002289	-3.14	0.003	-.011778	-.0025873
tsd_depend_mis	-.0254808	.0075447	-3.38	0.001	-.0406274	-.0103342
tsd_vrpr	.0047658	.0050167	0.95	0.347	-.0053057	.0148372
tsd_vrpr_miss	-.0187954	.0053063	-3.54	0.001	-.0294483	-.0081426
pdcgrou2	-.0224516	.0028268	-7.94	0.000	-.0281267	-.0167766
pdcgrou3	.0021102	.0067712	0.31	0.757	-.0114836	.0157039
pdcgrou4	-.0024554	.0036378	-0.67	0.503	-.0097585	.0048477
pdcgrou5	-.0090212	.0268774	-0.34	0.739	-.0629798	.0449374
cohort2000	.0015485	.0040022	0.39	0.700	-.0064863	.0095833
cohort2001	-.0000317	.0090053	-0.00	0.997	-.0181106	.0180471
cohort2002	-.0017081	.010002	-0.17	0.865	-.021788	.0183717
cohort2003	.0594043	.0168591	3.52	0.001	.0255583	.0932503
cohort2004	.036986	.0154872	2.39	0.021	.0058942	.0680778
award_b4_tsd	.0251592	.0082596	3.05	0.004	.0085773	.0417411
diaward_tsd	-.0009994	.0003823	-2.61	0.012	-.0017668	-.0002319
epeb4twp_flag	-.0787336	.0443993	-1.77	0.082	-.1678689	.0104017
ldwb4twp_flag	.3015222	.1010176	2.98	0.004	.0987209	.5043235
ldwb4epe_flag	.5642654	.0447791	12.60	0.000	.4743677	.6541631
twpb4tsd	.2869498	.011869	24.18	0.000	.2631218	.3107777
epeb4tsd	.079034	.0098518	8.02	0.000	.0592556	.0988124
ldwb4tsd	-.2375034	.0076934	-30.87	0.000	-.2529486	-.2220581
st_AL	-.0244058	.0431026	-0.57	0.574	-.1109379	.0621263
st_AR	.0111185	.043037	0.26	0.797	-.0752818	.0975189
st_AZ	.0131553	.0430275	0.31	0.761	-.0732259	.0995366
st_CA	.0748354	.0430144	1.74	0.088	-.0115196	.1611903
st_CO	-.0013242	.0430478	-0.03	0.976	-.0877462	.0850978
st_CT	.0261043	.0430742	0.61	0.547	-.0603708	.1125793
st_DC	.2500207	.0434316	5.76	0.000	.1628281	.3372133
st_DE	.0190603	.0430425	0.44	0.660	-.0673512	.1054718
st_FL	.0082096	.0430148	0.19	0.849	-.0781463	.0945654
st_GA	.0287075	.0430955	0.67	0.508	-.0578104	.1152253
st_HI	-.0643721	.0432427	-1.49	0.143	-.1511854	.0224413
st_IA	-.0051788	.043054	-0.12	0.905	-.0916133	.0812557
st_ID	.0470381	.0430882	1.09	0.280	-.0394651	.1335413
st_IL	.0097004	.0430237	0.23	0.823	-.0766732	.0960741
st_IN	.0910545	.0431177	2.11	0.040	.0044921	.1776169
st_KS	-.0533342	.0430492	-1.24	0.221	-.139759	.0330907
st_KY	.0350635	.0430795	0.81	0.419	-.0514223	.1215493
st_LA	.0709256	.0432944	1.64	0.108	-.0159916	.1578427
st_MA	.023719	.043038	0.55	0.584	-.0626834	.1101215
st_MD	-.0001928	.0430986	-0.00	0.996	-.0867169	.0863313

st_ME	.1439617	.0432401	3.33	0.002	.0571537	.2307697
st_MI	.0117881	.0430589	0.27	0.785	-.0746562	.0982323
st_MN	-.0157917	.0431215	-0.37	0.716	-.1023617	.0707783
st_MO	-.0147444	.0430773	-0.34	0.734	-.1012257	.0717368
st_MS	.1424436	.0430851	3.31	0.002	.0559465	.2289406
st_MT	-.111569	.0438156	-2.55	0.014	-.1995324	-.0236055
st_NC	-.0366926	.0430409	-0.85	0.398	-.1231008	.0497156
st_ND	0	(omitted)				
st_NE	-.0448854	.0430723	-1.04	0.302	-.1313565	.0415858
st_NH	.014301	.0430626	0.33	0.741	-.0721507	.1007527
st_NJ	.0107159	.0431234	0.25	0.805	-.075858	.0972898
st_NM	-.0743984	.0431693	-1.72	0.091	-.1610644	.0122676
st_NV	.0014028	.0431624	0.03	0.974	-.0852494	.088055
st_NY	0	(omitted)				
st_OH	-.0138418	.0430173	-0.32	0.749	-.1002027	.0725192
st_OK	-.0055484	.0430047	-0.13	0.898	-.091884	.0807871
st_OR	-.0115256	.0430498	-0.27	0.790	-.0979516	.0749004
st_PA	-.0144322	.043076	-0.34	0.739	-.1009108	.0720465
st_PR	-.0771968	.0433427	-1.78	0.081	-.164211	.0098173
st_RI	.0683487	.0431208	1.59	0.119	-.0182199	.1549172
st_SC	-.0174877	.043015	-0.41	0.686	-.103844	.0688685
st_SD	.1687593	.0433618	3.89	0.000	.081707	.2558117
st_TN	.0370608	.0430968	0.86	0.394	-.0494595	.1235812
st_TX	-.0034343	.0430558	-0.08	0.937	-.0898723	.0830038
st_UT	-.0969103	.0432955	-2.24	0.030	-.1838296	-.0099911
st_VA	.0612169	.043083	1.42	0.161	-.0252759	.1477097
st_VT	.0030537	.0430842	0.07	0.944	-.0834414	.0895489
st_WA	.0690741	.043084	1.60	0.115	-.0174206	.1555688
st_WI	-.0018222	.0430363	-0.04	0.966	-.0882212	.0845768
st_WV	-.0428072	.0432108	-0.99	0.327	-.1295564	.043942
st_WY	-.0818748	.0431539	-1.90	0.063	-.1685098	.0047602
pial	-.0000162	.0000112	-1.45	0.153	-.0000387	6.24e-06
pia_miss	-.0404717	.0092081	-4.40	0.000	-.0589577	-.0219857
ime1	5.93e-06	4.58e-06	1.29	0.202	-3.27e-06	.0000151
ime_miss	-.0227461	.0075069	-3.03	0.004	-.0378169	-.0076753
_cons	.2150461	.0457991	4.70	0.000	.1231005	.3069917

(1) motoimm = 0

F(1, 51) = 0.18
 Prob > F = 0.6724

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_nounemp.x

> ls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.1218
 Root MSE = .15741

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0003003	.000701	-0.43	0.670	-.0017077	.0011071
male	.0009988	.0006033	1.66	0.104	-.0002124	.00221

gendermiss_flag	-.0063012	.0016861	-3.74	0.000	-.0096862	-.0029163
tsd_age	-.0006582	.0001724	-3.82	0.000	-.0010043	-.0003121
doage2	-.0003053	.0001786	-1.71	0.093	-.0006638	.0000532
doage2miss_flag	-.0196688	.0128119	-1.54	0.131	-.0453898	.0060521
race_a	.0078973	.0079943	0.99	0.328	-.008152	.0239466
race_b	.0042613	.0014796	2.88	0.006	.0012908	.0072317
race_h	-.0050597	.0036327	-1.39	0.170	-.0123526	.0022333
race_i	.0023827	.0071053	0.34	0.739	-.0118817	.0166471
race_o	-.0127444	.0091783	-1.39	0.171	-.0311706	.0056818
race_mis	.0011459	.0064678	0.18	0.860	-.0118386	.0141305
tsd_edu_hs	.0019705	.0020987	0.94	0.352	-.0022428	.0061838
tsd_edu_mrhs	.0099444	.0017621	5.64	0.000	.0064069	.0134819
tsd_edu_mis	.0118647	.0022671	5.23	0.000	.0073133	.0164161
tsd_mie_exp	.0001441	.0035838	0.04	0.968	-.0070506	.0073389
tsd_mie_mis	-.0013867	.0016358	-0.85	0.401	-.0046707	.0018973
tsd_mie_psbl	-.0033199	.0019237	-1.73	0.090	-.0071819	.0005422
tsd_medicare	-.0067474	.0023109	-2.92	0.005	-.0113868	-.0021081
tsd_medicare_mis	-.0153301	.0052091	-2.94	0.005	-.0257877	-.0048724
tsd_depend_1	-.0064577	.0024086	-2.68	0.010	-.0112932	-.0016223
tsd_depend_2	-.008822	.0015115	-5.84	0.000	-.0118563	-.0057876
tsd_depend_miss	-.0221515	.0056047	-3.95	0.000	-.0334034	-.0108996
tsd_vrpr	.0152841	.0031906	4.79	0.000	.0088787	.0216895
tsd_vrpr_miss	-.0004531	.0037151	-0.12	0.903	-.0079115	.0070052
pdcgrou2	.0022768	.001924	1.18	0.242	-.0015858	.0061394
pdcgrou3	-.0041745	.0025498	-1.64	0.108	-.0092933	.0009444
pdcgrou4	-.0028519	.0025695	-1.11	0.272	-.0080104	.0023066
pdcgrou5	.0373014	.0270368	1.38	0.174	-.0169773	.0915802
cohort2000	-.009994	.0018914	-5.28	0.000	-.013791	-.0061969
cohort2001	-.0083058	.0041614	-2.00	0.051	-.0166601	.0000485
cohort2002	-.0083837	.0069365	-1.21	0.232	-.0223093	.005542
cohort2003	-.0237018	.0075075	-3.16	0.003	-.0387738	-.0086298
cohort2004	-.0241042	.0075085	-3.21	0.002	-.0391782	-.0090302
award_b4_tsd	-.0045572	.0074368	-0.61	0.543	-.0194873	.0103729
diaward_tsd	-.0008542	.0001791	-4.77	0.000	-.0012137	-.0004947
epeb4twp_flag	.2890712	.0959977	3.01	0.004	.0963477	.4817946
ldwb4twp_flag	-.0356111	.0393127	-0.91	0.369	-.1145348	.0433125
ldwb4epe_flag	.0954306	.0268289	3.56	0.001	.0415693	.149292
twpb4tsd	.2344885	.0090853	25.81	0.000	.2162489	.252728
epeb4tsd	-.0928389	.004876	-19.04	0.000	-.1026277	-.08305
ldwb4tsd	-.0455927	.002992	-15.24	0.000	-.0515993	-.0395861
st_AL	.0407303	.002103	19.37	0.000	.0365083	.0449523
st_AR	.0533793	.0020046	26.63	0.000	.0493549	.0574036
st_AZ	.0146944	.0018183	8.08	0.000	.011044	.0183448
st_CA	.0209398	.0019171	10.92	0.000	.017091	.0247885
st_CO	.0092508	.0016604	5.57	0.000	.0059174	.0125841
st_CT	.0715284	.0021455	33.34	0.000	.0672211	.0758357
st_DC	-.0135776	.00426	-3.19	0.002	-.0221299	-.0050253
st_DE	.014054	.0018709	7.51	0.000	.0102981	.01781
st_FL	.0118588	.0016174	7.33	0.000	.0086117	.015106
st_GA	.0072874	.001819	4.01	0.000	.0036356	.0109391
st_HI	-.0106866	.0038303	-2.79	0.007	-.0183762	-.0029971
st_IA	.0171017	.0020535	8.33	0.000	.0129791	.0212242
st_ID	.1048519	.0023595	44.44	0.000	.1001149	.1095889
st_IL	.0205795	.0016042	12.83	0.000	.0173589	.0238
st_IN	-.004765	.0020408	-2.33	0.024	-.0088621	-.0006679
st_KS	.0019726	.0013191	1.50	0.141	-.0006755	.0046207
st_KY	.0258442	.0018419	14.03	0.000	.0221464	.029542
st_LA	-.0600759	.0028054	-21.41	0.000	-.065708	-.0544438
st_MA	.0190374	.0018367	10.36	0.000	.0153499	.0227248
st_MD	-.0363909	.001812	-20.08	0.000	-.0400287	-.0327532
st_ME	.0046003	.0023416	1.96	0.055	-.0001006	.0093013
st_MI	.018568	.0021926	8.47	0.000	.0141662	.0229698
st_MN	.0438851	.0019231	22.82	0.000	.0400242	.0477459

st_MO	.0379387	.0021271	17.84	0.000	.0336683	.0422091
st_MS	-.020494	.0013576	-15.10	0.000	-.0232196	-.0177684
st_MT	-.0120459	.0048977	-2.46	0.017	-.0218784	-.0022134
st_NC	-.0228691	.0016667	-13.72	0.000	-.026215	-.0195231
st_ND	0	(omitted)				
st_NE	-.0049543	.0021726	-2.28	0.027	-.0093159	-.0005927
st_NH	-.0494293	.0019973	-24.75	0.000	-.053439	-.0454195
st_NJ	-.0031566	.002086	-1.51	0.136	-.0073445	.0010313
st_NM	.0048218	.0021801	2.21	0.031	.0004451	.0091986
st_NV	-.0007935	.0026826	-0.30	0.769	-.0061791	.0045921
st_NY	0	(omitted)				
st_OH	-.0154624	.0018218	-8.49	0.000	-.0191197	-.011805
st_OK	.0128557	.0018147	7.08	0.000	.0092126	.0164988
st_OR	.0124117	.0018192	6.82	0.000	.0087595	.0160639
st_PA	-.0378812	.0023808	-15.91	0.000	-.0426609	-.0331016
st_PR	.0066988	.0041387	1.62	0.112	-.00161	.0150077
st_RI	.1072049	.0028799	37.23	0.000	.1014233	.1129865
st_SC	.0100854	.0014302	7.05	0.000	.0072141	.0129566
st_SD	.0830785	.0031331	26.52	0.000	.0767885	.0893684
st_TN	-.0217534	.0016135	-13.48	0.000	-.0249926	-.0185143
st_TX	.009719	.0016042	6.06	0.000	.0064985	.0129396
st_UT	-.0244697	.0028461	-8.60	0.000	-.0301834	-.0187559
st_VA	.0084186	.002396	3.51	0.001	.0036085	.0132287
st_VT	.0177849	.0020445	8.70	0.000	.0136804	.0218894
st_WA	-.033103	.0018552	-17.84	0.000	-.0368274	-.0293785
st_WI	.0174564	.0018399	9.49	0.000	.0137627	.0211501
st_WV	.0008447	.0029604	0.29	0.777	-.0050985	.0067879
st_WY	-.010192	.0025052	-4.07	0.000	-.0152214	-.0051626
pial	6.23e-08	8.40e-06	0.01	0.994	-.0000168	.0000169
pia_miss	-.0056366	.0089742	-0.63	0.533	-.0236531	.0123799
ime1	1.24e-06	2.62e-06	0.47	0.638	-4.01e-06	6.49e-06
ime_miss	-.0052094	.0039372	-1.32	0.192	-.0131137	.0026949
_cons	.0594185	.0087644	6.78	0.000	.0418232	.0770138

(1) motoimm = 0

F(1, 51) = 0.18
 Prob > F = 0.6701

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PHINONY_nounemp.x

> ls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.1165
 Root MSE = .21084

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0003546	.0005694	-0.62	0.536	-.0014978 .0007885
male	.001087	.0012447	0.87	0.387	-.0014119 .0035859
gendermiss_flag	-.0165211	.0027427	-6.02	0.000	-.0220273 -.011015
tsd_age	-.0017569	.00024	-7.32	0.000	-.0022387 -.0012751
doage2	-.0001036	.0002268	-0.46	0.650	-.0005589 .0003517

doage2miss_flag	.2940524	.2564882	1.15	0.257	-.2208691	.8089739
race_a	.000586	.0084539	0.07	0.945	-.016386	.0175579
race_b	.0100195	.002844	3.52	0.001	.0043098	.0157291
race_h	-.0015529	.0065769	-0.24	0.814	-.0147565	.0116507
race_i	-.0084286	.0067986	-1.24	0.221	-.0220773	.0052201
race_o	-.0185651	.0114633	-1.62	0.112	-.0415787	.0044485
race_mis	.0019941	.0053871	0.37	0.713	-.008821	.0128091
tsd_edu_hs	.0040801	.0035204	1.16	0.252	-.0029873	.0111476
tsd_edu_mrhs	.0179971	.0033589	5.36	0.000	.0112539	.0247403
tsd_edu_mis	.019571	.0035618	5.49	0.000	.0124204	.0267216
tsd_mie_exp	-.0030485	.0064284	-0.47	0.637	-.015954	.0098571
tsd_mie_mis	-.0091749	.0033965	-2.70	0.009	-.0159936	-.0023562
tsd_mie_psbl	-.0094196	.0025619	-3.68	0.001	-.0145627	-.0042764
tsd_medicare	-.0120584	.002871	-4.20	0.000	-.0178222	-.0062945
tsd_medicare_miss	-.0320839	.0070413	-4.56	0.000	-.0462199	-.0179479
tsd_depend_1	-.0119181	.0040551	-2.94	0.005	-.020059	-.0037773
tsd_depend_2	-.011751	.0038141	-3.08	0.003	-.0194082	-.0040939
tsd_depend_miss	-.0389843	.0118582	-3.29	0.002	-.0627907	-.0151779
tsd_vrpr	.0199095	.0056966	3.49	0.001	.0084731	.031346
tsd_vrpr_miss	-.0107331	.0049539	-2.17	0.035	-.0206785	-.0007877
pdcgrou2	.0014561	.0034283	0.42	0.673	-.0054265	.0083388
pdcgrou3	-.0064527	.0035525	-1.82	0.075	-.0135847	.0006792
pdcgrou4	-.000442	.0034856	-0.13	0.900	-.0074397	.0065556
pdcgrou5	.0292002	.0274282	1.06	0.292	-.0258642	.0842646
cohort2000	-.0177344	.0026729	-6.63	0.000	-.0231004	-.0123684
cohort2001	-.0155288	.0050062	-3.10	0.003	-.0255793	-.0054783
cohort2002	-.0106716	.0082943	-1.29	0.204	-.027323	.0059799
cohort2003	.0015741	.0090031	0.17	0.862	-.0165003	.0196484
cohort2004	-.0560772	.0099698	-5.62	0.000	-.0760924	-.0360621
award_b4_tsd	.0119322	.0088842	1.34	0.185	-.0059036	.0297679
diaward_tsd	-.0012558	.0001792	-7.01	0.000	-.0016155	-.0008962
epeb4twp_flag	.3025787	.0937812	3.23	0.002	.1143051	.4908523
ldwb4twp_flag	-.0761132	.0461881	-1.65	0.106	-.1688397	.0166132
ldwb4epe_flag	.286904	.0458984	6.25	0.000	.1947591	.3790489
twpb4tsd	.2822841	.0121499	23.23	0.000	.2578923	.306676
epeb4tsd	-.1311796	.0062626	-20.95	0.000	-.1437523	-.1186068
ldwb4tsd	-.0643802	.0038027	-16.93	0.000	-.0720144	-.0567461
st_AL	.0869478	.0036114	24.08	0.000	.0796976	.094198
st_AR	.0551441	.0027111	20.34	0.000	.0497013	.0605869
st_AZ	.0337915	.0025238	13.39	0.000	.0287248	.0388582
st_CA	.0621387	.0027249	22.80	0.000	.0566683	.0676092
st_CO	.0310044	.0023843	13.00	0.000	.0262177	.035791
st_CT	.0570384	.0030418	18.75	0.000	.0509318	.063145
st_DC	-.0326617	.0053182	-6.14	0.000	-.0433384	-.021985
st_DE	.0367685	.0033956	10.83	0.000	.0299516	.0435854
st_FL	.0316313	.0024968	12.67	0.000	.0266188	.0366439
st_GA	.0027126	.0030424	0.89	0.377	-.0033952	.0088205
st_HI	-.0127017	.0043964	-2.89	0.006	-.0215278	-.0038755
st_IA	.0405362	.0029367	13.80	0.000	.0346405	.0464318
st_ID	.0992034	.0032428	30.59	0.000	.0926932	.1057135
st_IL	.0415466	.002463	16.87	0.000	.0366019	.0464912
st_IN	.0231748	.0025241	9.18	0.000	.0181074	.0282422
st_KS	.0000383	.0024448	0.02	0.988	-.0048699	.0049465
st_KY	.0773773	.002768	27.95	0.000	.0718203	.0829344
st_LA	.0285051	.0034797	8.19	0.000	.0215194	.0354909
st_MA	.0419757	.0025209	16.65	0.000	.0369149	.0470366
st_MD	-.0464934	.0034485	-13.48	0.000	-.0534166	-.0395702
st_ME	.0031396	.0032249	0.97	0.335	-.0033348	.0096139
st_MI	.0349279	.0030729	11.37	0.000	.0287588	.0410971
st_MN	.07164	.0030502	23.49	0.000	.0655165	.0777635
st_MO	.0292486	.0025157	11.63	0.000	.0241982	.034299
st_MS	.1254128	.002533	49.51	0.000	.1203276	.130498
st_MT	-.0515342	.0069415	-7.42	0.000	-.0654698	-.0375986

st_NC	-.0283233	.0023565	-12.02	0.000	-.0330541	-.0235925
st_ND	0	(omitted)				
st_NE	-.000934	.0026136	-0.36	0.722	-.006181	.004313
st_NH	-.0555357	.003043	-18.25	0.000	-.0616447	-.0494267
st_NJ	.010479	.0025634	4.09	0.000	.0053328	.0156252
st_NM	.0058629	.0030298	1.94	0.059	-.0002196	.0119454
st_NV	-.0123382	.0036656	-3.37	0.001	-.0196973	-.0049791
st_NY	0	(omitted)				
st_OH	.0076252	.002608	2.92	0.005	.0023895	.0128608
st_OK	.0217716	.0025469	8.55	0.000	.0166585	.0268848
st_OR	.0283116	.0025671	11.03	0.000	.023158	.0334652
st_PA	-.0263385	.0029946	-8.80	0.000	-.0323503	-.0203267
st_PR	-.0006862	.0080227	-0.09	0.932	-.0167924	.0154201
st_RI	.0894581	.0050961	17.55	0.000	.0792274	.0996889
st_SC	.0218038	.0023617	9.23	0.000	.0170625	.026545
st_SD	.0765058	.0047875	15.98	0.000	.0668945	.0861172
st_TN	.0124374	.0023937	5.20	0.000	.0076318	.0172429
st_TX	.0256946	.0024513	10.48	0.000	.0207734	.0306157
st_UT	.0711709	.0045341	15.70	0.000	.0620684	.0802734
st_VA	.0014305	.0029147	0.49	0.626	-.0044211	.007282
st_VT	.0401192	.0029209	13.74	0.000	.0342552	.0459831
st_WA	-.0456247	.0027209	-16.77	0.000	-.0510871	-.0401622
st_WI	.0312227	.0027514	11.35	0.000	.025699	.0367464
st_WV	-.0087674	.0055993	-1.57	0.124	-.0200086	.0024737
st_WY	-.017851	.0034068	-5.24	0.000	-.0246903	-.0110116
pial	9.04e-06	.0000106	0.85	0.400	-.0000123	.0000304
pia_miss	.0023679	.0128977	0.18	0.855	-.0235253	.0282612
ime1	-1.40e-06	3.30e-06	-0.42	0.673	-8.01e-06	5.22e-06
ime_miss	-.0191737	.0040809	-4.70	0.000	-.0273664	-.0109811
_cons	.1159357	.0154123	7.52	0.000	.0849942	.1468773

(1) motoimm = 0

F(1, 51) = 0.39
 Prob > F = 0.5362

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_nounemp.x

> ls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.1161
 Root MSE = .25256

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0002803	.000689	-0.41	0.686	-.0016636	.0011031
male	-.002444	.0015175	-1.61	0.113	-.0054905	.0006025
gendermiss_flag	-.0288224	.0030982	-9.30	0.000	-.0350424	-.0226025
tsd_age	-.0028252	.0002474	-11.42	0.000	-.0033219	-.0023286
doage2	-.0001282	.0002251	-0.57	0.571	-.0005801	.0003237
doage2miss_flag	.2741639	.2461893	1.11	0.271	-.2200819	.7684096
race_a	.0040362	.0136027	0.30	0.768	-.0232725	.0313448
race_b	.0181154	.0030172	6.00	0.000	.0120581	.0241728

race_h	-.0008382	.006612	-0.13	0.900	-.0141123	.0124359
race_i	-.0065866	.009006	-0.73	0.468	-.0246669	.0114937
race_o	-.0259396	.0107196	-2.42	0.019	-.0474602	-.0044191
race_mis	.0018721	.0098152	0.19	0.849	-.0178328	.021577
tsd_edu_hs	.0038971	.0032702	1.19	0.239	-.0026682	.0104623
tsd_edu_mrhs	.0238319	.0040837	5.84	0.000	.0156335	.0320302
tsd_edu_mis	.0200024	.0048196	4.15	0.000	.0103267	.0296781
tsd_mie_exp	-.0083706	.0064505	-1.30	0.200	-.0213206	.0045793
tsd_mie_mis	-.0102488	.0035727	-2.87	0.006	-.0174214	-.0030763
tsd_mie_psbl	-.0153719	.002408	-6.38	0.000	-.0202063	-.0105376
tsd_medicare	-.0152312	.0022161	-6.87	0.000	-.0196801	-.0107822
tsd_medicare_miss	-.0478257	.0072974	-6.55	0.000	-.0624758	-.0331757
tsd_depend_1	-.0151383	.0053358	-2.84	0.007	-.0258504	-.0044263
tsd_depend_2	-.0118037	.0037187	-3.17	0.003	-.0192693	-.0043381
tsd_depend_miss	-.0416859	.011552	-3.61	0.001	-.0648774	-.0184944
tsd_vrpr	.0078279	.0063167	1.24	0.221	-.0048534	.0205092
tsd_vrpr_miss	-.0408069	.0058784	-6.94	0.000	-.0526083	-.0290054
pdcgrou2	-.0035216	.0039749	-0.89	0.380	-.0115015	.0044584
pdcgrou3	-.0086923	.0049511	-1.76	0.085	-.018632	.0012474
pdcgrou4	-.0060235	.0032965	-1.83	0.074	-.0126416	.0005946
pdcgrou5	.0148243	.0278128	0.53	0.596	-.0410123	.0706608
cohort2000	-.0115722	.0039672	-2.92	0.005	-.0195366	-.0036078
cohort2001	-.0069357	.00668	-1.04	0.304	-.0203465	.006475
cohort2002	-.0011936	.0098692	-0.12	0.904	-.0210069	.0186196
cohort2003	.0736216	.0186985	3.94	0.000	.0360828	.1111604
cohort2004	-.0098575	.0159093	-0.62	0.538	-.0417968	.0220819
award_b4_tsd	.0241119	.0102775	2.35	0.023	.003479	.0447448
diaward_tsd	-.0010939	.000288	-3.80	0.000	-.0016721	-.0005157
epeb4twp_flag	.3108129	.0943971	3.29	0.002	.1213028	.500323
ldwb4twp_flag	-.1113722	.0558159	-2.00	0.051	-.2234274	.000683
ldwb4epe_flag	.4357215	.0489232	8.91	0.000	.337504	.533939
twpb4tsd	.3094819	.0098338	31.47	0.000	.2897397	.329224
epeb4tsd	-.1657848	.0062073	-26.71	0.000	-.1782464	-.1533232
ldwb4tsd	-.0810135	.0048223	-16.80	0.000	-.0906947	-.0713322
st_AL	.0838885	.0067818	12.37	0.000	.0702735	.0975035
st_AR	.0521169	.0061639	8.46	0.000	.0397425	.0644914
st_AZ	.066097	.0061117	10.81	0.000	.0538273	.0783668
st_CA	.0814114	.006176	13.18	0.000	.0690126	.0938103
st_CO	.0512963	.0060462	8.48	0.000	.039158	.0634347
st_CT	.0451731	.0061668	7.33	0.000	.0327927	.0575535
st_DC	-.0441703	.00787	-5.61	0.000	-.05997	-.0283705
st_DE	.0662363	.0062585	10.58	0.000	.0536717	.0788009
st_FL	.0520812	.0060026	8.68	0.000	.0400305	.0641319
st_GA	.0478849	.0064826	7.39	0.000	.0348705	.0608993
st_HI	-.0143343	.0067412	-2.13	0.038	-.0278679	-.0008007
st_IA	.0580945	.006397	9.08	0.000	.0452519	.070937
st_ID	.0949006	.0061401	15.46	0.000	.0825737	.1072275
st_IL	.0644603	.0060572	10.64	0.000	.0522999	.0766207
st_IN	.0556619	.0060779	9.16	0.000	.0434599	.0678638
st_KS	.0459734	.0062653	7.34	0.000	.0333952	.0585516
st_KY	.0762458	.0062	12.30	0.000	.0637987	.0886929
st_LA	.0272314	.0063794	4.27	0.000	.0144242	.0400386
st_MA	.0656262	.006121	10.72	0.000	.0533379	.0779146
st_MD	.0036428	.0062245	0.59	0.561	-.0088535	.016139
st_ME	-.0031801	.006609	-0.48	0.632	-.0164482	.010088
st_MI	.0226097	.0063545	3.56	0.001	.0098526	.0353669
st_MN	.0609562	.0063183	9.65	0.000	.0482716	.0736408
st_MO	.0408801	.0061852	6.61	0.000	.0284628	.0532975
st_MS	.1138868	.0064854	17.56	0.000	.1008669	.1269067
st_MT	-.0876276	.0115021	-7.62	0.000	-.110719	-.0645362
st_NC	.018878	.0059864	3.15	0.003	.0068598	.0308962
st_ND	0	(omitted)				
st_NE	.0047794	.0062695	0.76	0.449	-.0078072	.017366

st_NH	-.0010647	.0063483	-0.17	0.867	-.0138095	.0116802
st_NJ	.0645716	.0062836	10.28	0.000	.0519566	.0771865
st_NM	.0070388	.0065339	1.08	0.286	-.0060785	.0201562
st_NV	.0510492	.0069159	7.38	0.000	.037165	.0649334
st_NY	0	(omitted)				
st_OH	.0058038	.0061394	0.95	0.349	-.0065215	.0181291
st_OK	.0448195	.0061595	7.28	0.000	.0324537	.0571853
st_OR	.0441912	.0062505	7.07	0.000	.0316428	.0567395
st_PA	-.0151507	.0061725	-2.45	0.018	-.0275425	-.0027589
st_PR	-.0153929	.0090194	-1.71	0.094	-.0335001	.0027144
st_RI	.0734484	.0081168	9.05	0.000	.0571533	.0897436
st_SC	.0376656	.0060675	6.21	0.000	.0254847	.0498465
st_SD	.2179398	.0072354	30.12	0.000	.2034142	.2324655
st_TN	.0470352	.006093	7.72	0.000	.034803	.0592674
st_TX	.0201721	.0059907	3.37	0.001	.0081453	.0321989
st_UT	.0533011	.0081264	6.56	0.000	.0369867	.0696156
st_VA	-.0056282	.0061877	-0.91	0.367	-.0180505	.0067941
st_VT	.0529488	.0064597	8.20	0.000	.0399804	.0659171
st_WA	-.0223984	.0062464	-3.59	0.001	-.0349385	-.0098583
st_WI	.0508048	.0062522	8.13	0.000	.038253	.0633567
st_WV	-.021268	.0080161	-2.65	0.011	-.0373611	-.0051749
st_WY	-.0232094	.0065527	-3.54	0.001	-.0363645	-.0100542
pial	.0000243	.0000123	1.98	0.053	-3.23e-07	.000049
pia_miss	-.002229	.0163535	-0.14	0.892	-.0350601	.0306021
ime1	-6.00e-06	4.23e-06	-1.42	0.162	-.0000145	2.49e-06
ime_miss	-.0375179	.0049706	-7.55	0.000	-.0474967	-.0275391
_cons	.1783699	.015838	11.26	0.000	.1465739	.210166

(1) motoimm = 0

F(1, 51) = 0.17
 Prob > F = 0.6859

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_nounemp.x

> ls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.1180
 Root MSE = .27971

(Std. Err. adjusted for 52 clusters in tsd_state)

eperoll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	.0000567	.000942	0.06	0.952	-.0018344 .0019478
male	-.0014981	.0016408	-0.91	0.366	-.0047921 .0017959
gendermiss_flag	-.0411834	.0039212	-10.50	0.000	-.0490555 -.0333113
tsd_age	-.0035473	.0002151	-16.49	0.000	-.0039791 -.0031154
doage2	-.0002592	.0002575	-1.01	0.319	-.000776 .0002577
doage2miss_flag	.2574815	.2377839	1.08	0.284	-.2198896 .7348526
race_a	-.0016304	.0152029	-0.11	0.915	-.0321515 .0288907
race_b	.0222919	.003571	6.24	0.000	.0151228 .029461
race_h	-.0023769	.0072212	-0.33	0.743	-.0168741 .0121202
race_i	-.0061973	.0145774	-0.43	0.673	-.0354626 .023068
race_o	-.0373371	.0115794	-3.22	0.002	-.0605837 -.0140906

race_mis	.000444	.0086995	0.05	0.959	-.0170209	.017909
tsd_edu_hs	.0055328	.0032997	1.68	0.100	-.0010917	.0121573
tsd_edu_mrhs	.0278883	.0047724	5.84	0.000	.0183074	.0374693
tsd_edu_mis	.0214965	.0060837	3.53	0.001	.0092831	.03371
tsd_mie_exp	-.0002437	.0079125	-0.03	0.976	-.0161287	.0156414
tsd_mie_mis	-.0089594	.0035894	-2.50	0.016	-.0161655	-.0017533
tsd_mie_psbl	-.0155666	.0032479	-4.79	0.000	-.022087	-.0090462
tsd_medicare	-.0172686	.0024032	-7.19	0.000	-.0220933	-.012444
tsd_medicare_miss	-.0632935	.007365	-8.59	0.000	-.0780793	-.0485077
tsd_depend_1	-.0168206	.0048954	-3.44	0.001	-.0266485	-.0069927
tsd_depend_2	-.0081443	.00334	-2.44	0.018	-.0148496	-.001439
tsd_depend_miss	-.0577095	.0122781	-4.70	0.000	-.0823588	-.0330601
tsd_vrpr	-.0053236	.0073175	-0.73	0.470	-.0200141	.0093669
tsd_vrpr_miss	-.0674562	.0066331	-10.17	0.000	-.0807727	-.0541397
pdcgrou2	-.0086943	.0058881	-1.48	0.146	-.0205151	.0031264
pdcgrou3	-.0113487	.0064976	-1.75	0.087	-.0243932	.0016958
pdcgrou4	-.010152	.0038708	-2.62	0.011	-.017923	-.002381
pdcgrou5	.0258224	.0284641	0.91	0.369	-.0313217	.0829665
cohort2000	-.0085178	.0043493	-1.96	0.056	-.0172494	.0002137
cohort2001	-.0023689	.008652	-0.27	0.785	-.0197385	.0150008
cohort2002	-.0048217	.0119505	-0.40	0.688	-.0288132	.0191699
cohort2003	.0947195	.0192218	4.93	0.000	.0561302	.1333088
cohort2004	.0104869	.0225632	0.46	0.644	-.0348106	.0557844
award_b4_tsd	.039568	.0127222	3.11	0.003	.0140271	.0651089
diaward_tsd	-.0011766	.0003798	-3.10	0.003	-.0019391	-.000414
epeb4twp_flag	.3150897	.0960014	3.28	0.002	.1223589	.5078204
ldwb4twp_flag	-.1395112	.0655818	-2.13	0.038	-.2711722	-.0078502
ldwb4epe_flag	.5467578	.0413831	13.21	0.000	.4636777	.6298378
twpb4tsd	.3209443	.0081581	39.34	0.000	.3045663	.3373224
epeb4tsd	-.1907266	.0058141	-32.80	0.000	-.202399	-.1790543
ldwb4tsd	-.0919418	.0052313	-17.58	0.000	-.1024442	-.0814395
st_AL	.0771201	.0101975	7.56	0.000	.0566478	.0975924
st_AR	.0484757	.0098144	4.94	0.000	.0287725	.0681789
st_AZ	.0849687	.0096031	8.85	0.000	.0656896	.1042478
st_CA	.0799064	.0095064	8.41	0.000	.0608215	.0989913
st_CO	.0655395	.00951	6.89	0.000	.0464473	.0846316
st_CT	.1286969	.0097294	13.23	0.000	.1091643	.1482295
st_DC	-.0529119	.0111088	-4.76	0.000	-.0752138	-.0306101
st_DE	.0802978	.0096702	8.30	0.000	.0608841	.0997114
st_FL	.0702579	.0094741	7.42	0.000	.0512377	.089278
st_GA	.0778393	.0099274	7.84	0.000	.0579092	.0977693
st_HI	-.0144426	.0097803	-1.48	0.146	-.0340775	.0051922
st_IA	.072519	.0098608	7.35	0.000	.0527226	.0923154
st_ID	.0933029	.0094933	9.83	0.000	.0742444	.1123615
st_IL	.0799817	.009587	8.34	0.000	.0607349	.0992284
st_IN	.0514982	.0095307	5.40	0.000	.0323645	.070632
st_KS	.0920038	.0095192	9.67	0.000	.0728932	.1111144
st_KY	.0756525	.0096767	7.82	0.000	.0562257	.0950792
st_LA	.0286253	.0097966	2.92	0.005	.0089578	.0482927
st_MA	.087442	.0096285	9.08	0.000	.0681118	.1067721
st_MD	-.0011029	.0096122	-0.11	0.909	-.0204002	.0181943
st_ME	-.0099579	.0100086	-0.99	0.324	-.0300511	.0101352
st_MI	.0413385	.0097271	4.25	0.000	.0218105	.0608666
st_MN	.0528562	.0096893	5.46	0.000	.0334041	.0723082
st_MO	.0560606	.0096669	5.80	0.000	.0366535	.0754676
st_MS	.1037741	.0097838	10.61	0.000	.0841323	.1234159
st_MT	-.1219025	.0151542	-8.04	0.000	-.1523259	-.0914791
st_NC	.0155393	.0094646	1.64	0.107	-.0034617	.0345403
st_ND	0	(omitted)				
st_NE	.0608997	.009812	6.21	0.000	.0412012	.0805981
st_NH	-.0030526	.0096412	-0.32	0.753	-.0224081	.0163029
st_NJ	.0615761	.0098843	6.23	0.000	.0417327	.0814196
st_NM	.0092294	.0102898	0.90	0.374	-.0114283	.0298871

st_NV	.0440924	.0103049	4.28	0.000	.0234045	.0647802
st_NY	0	(omitted)				
st_OH	.0028644	.0095203	0.30	0.765	-.0162484	.0219773
st_OK	.0603769	.0095897	6.30	0.000	.0411248	.079629
st_OR	.061983	.0096952	6.39	0.000	.042519	.0814469
st_PA	-.0221919	.009697	-2.29	0.026	-.0416595	-.0027243
st_PR	-.0163618	.012506	-1.31	0.197	-.0414686	.008745
st_RI	.2066402	.0105761	19.54	0.000	.1854078	.2278725
st_SC	.0500058	.0095484	5.24	0.000	.0308366	.069175
st_SD	.2190518	.0106554	20.56	0.000	.1976603	.2404434
st_TN	.1240923	.0094827	13.09	0.000	.1050549	.1431297
st_TX	.0179437	.0095245	1.88	0.065	-.0011775	.0370648
st_UT	.0429016	.0118298	3.63	0.001	.0191523	.0666509
st_VA	-.0117939	.0097988	-1.20	0.234	-.0314659	.0078781
st_VT	.0846915	.0099756	8.49	0.000	.0646646	.1047184
st_WA	-.0290655	.0096766	-3.00	0.004	-.0484922	-.0096389
st_WI	.0693564	.0097081	7.14	0.000	.0498665	.0888462
st_WV	-.0283268	.0109488	-2.59	0.013	-.0503075	-.0063461
st_WY	-.0295459	.0096979	-3.05	0.004	-.0490152	-.0100767
pial	.0000348	.0000142	2.45	0.018	6.31e-06	.0000633
pia_miss	.0142483	.0189087	0.75	0.455	-.0237126	.0522091
ime1	-.0000105	4.83e-06	-2.18	0.034	-.0000202	-8.18e-07
ime_miss	-.055641	.0063479	-8.77	0.000	-.0683849	-.042897
_cons	.2296657	.020599	11.15	0.000	.1883115	.27102

(1) motoimm = 0

F(1, 51) = 0.00
 Prob > F = 0.9522

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_nounemp.x

> ls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.0263
 Root MSE = .19944

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll12	Robust					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0005572	.0009111	0.61	0.544	-.0012719	.0023863
male	-.0015892	.0013163	-1.21	0.233	-.0042317	.0010533
gendermiss_flag	-.0322653	.002515	-12.83	0.000	-.0373145	-.0272161
tsd_age	-.0016763	.0002444	-6.86	0.000	-.002167	-.0011855
doage2	.0000167	.0002001	0.08	0.934	-.000385	.0004183
doage2miss_flag	-.0470761	.0157404	-2.99	0.004	-.0786764	-.0154759
race_a	.0006611	.0090004	0.07	0.942	-.017408	.0187302
race_b	.0057589	.0040154	1.43	0.158	-.0023024	.0138201
race_h	.0023436	.0045362	0.52	0.608	-.0067632	.0114505
race_i	-.0158211	.006772	-2.34	0.023	-.0294164	-.0022257
race_o	-.0220145	.0045553	-4.83	0.000	-.0311597	-.0128694
race_mis	.0059182	.0091966	0.64	0.523	-.0125448	.0243812
tsd_edu_hs	.0019737	.0028948	0.68	0.498	-.0038378	.0077852
tsd_edu_mrhs	.016559	.0036837	4.50	0.000	.0091636	.0239545

tsd_edu_mis	.0065409	.0024057	2.72	0.009	.0017113	.0113704
tsd_mie_exp	.0044009	.0036212	1.22	0.230	-.002869	.0116708
tsd_mie_mis	-.0093177	.0024793	-3.76	0.000	-.014295	-.0043403
tsd_mie_psbl	.0030513	.0025025	1.22	0.228	-.0019726	.0080752
tsd_medicare	-.0157232	.0019234	-8.17	0.000	-.0195845	-.0118619
tsd_medicare_mis	-.0361031	.0039612	-9.11	0.000	-.0440555	-.0281507
tsd_depend_1	-.0088719	.0018047	-4.92	0.000	-.012495	-.0052488
tsd_depend_2	-.0004312	.0022587	-0.19	0.849	-.0049657	.0041032
tsd_depend_mis	-.0301917	.0057918	-5.21	0.000	-.0418191	-.0185643
tsd_vrpr	-.0122413	.0077026	-1.59	0.118	-.0277049	.0032224
tsd_vrpr_mis	-.0355616	.0063111	-5.63	0.000	-.0482317	-.0228915
pdcgrou2	-.017691	.0021556	-8.21	0.000	-.0220185	-.0133634
pdcgrou3	-.0135212	.0020431	-6.62	0.000	-.0176228	-.0094196
pdcgrou4	-.0127544	.0018833	-6.77	0.000	-.0165352	-.0089736
pdcgrou5	-.0039757	.0247347	-0.16	0.873	-.0536326	.0456812
cohort2000	-.0110123	.003634	-3.03	0.004	-.0183079	-.0037166
cohort2001	-.0181376	.0059283	-3.06	0.004	-.0300392	-.006236
cohort2002	-.0142763	.0106154	-1.34	0.185	-.0355876	.007035
cohort2003	-.0340683	.0087754	-3.88	0.000	-.0516857	-.016451
cohort2004	-.0432171	.0121812	-3.55	0.001	-.0676719	-.0187624
award_b4_tsd	.012407	.006415	1.93	0.059	-.0004717	.0252857
diaward_tsd	-.0008695	.0002684	-3.24	0.002	-.0014082	-.0003307
epeb4twp_flag	.0255965	.0723035	0.35	0.725	-.1195589	.1707519
ldwb4twp_flag	.004422	.0851336	0.05	0.959	-.1664909	.1753348
ldwb4epe_flag	.1367697	.0342965	3.99	0.000	.0679165	.2056228
twpb4tsd	-.0474401	.0017632	-26.91	0.000	-.0509799	-.0439003
epeb4tsd	-.0333026	.0020094	-16.57	0.000	-.0373366	-.0292686
ldwb4tsd	-.0136248	.0013218	-10.31	0.000	-.0162785	-.0109711
st_AL	.0408344	.0063696	6.41	0.000	.0280468	.053622
st_AR	-.0022526	.0063269	-0.36	0.723	-.0149545	.0104493
st_AZ	.0371556	.0062759	5.92	0.000	.0245563	.049755
st_CA	.0464619	.006255	7.43	0.000	.0339044	.0590194
st_CO	.0376304	.0062208	6.05	0.000	.0251417	.0501191
st_CT	-.0062579	.0064462	-0.97	0.336	-.0191991	.0066833
st_DC	-.0201812	.0064887	-3.11	0.003	-.0332078	-.0071545
st_DE	.0476629	.0062207	7.66	0.000	.0351743	.0601516
st_FL	.0400248	.0062285	6.43	0.000	.0275206	.0525289
st_GA	.063089	.00621	10.16	0.000	.0506218	.0755562
st_HI	-.0151939	.0067854	-2.24	0.030	-.0288161	-.0015717
st_IA	.0383345	.0062116	6.17	0.000	.0258642	.0508048
st_ID	.0066174	.0063627	1.04	0.303	-.0061562	.0193911
st_IL	.0425943	.0062535	6.81	0.000	.0300399	.0551488
st_IN	.0001222	.0062569	0.02	0.984	-.012439	.0126834
st_KS	-.0003777	.006249	-0.06	0.952	-.0129232	.0121677
st_KY	.0569561	.0062601	9.10	0.000	.0443885	.0695237
st_LA	.1114986	.0065725	16.96	0.000	.0983038	.1246933
st_MA	.0450046	.0062029	7.26	0.000	.0325517	.0574575
st_MD	-.0065929	.0063762	-1.03	0.306	-.0193936	.0062078
st_ME	-.005489	.0062778	-0.87	0.386	-.0180923	.0071143
st_MI	.0535853	.0061838	8.67	0.000	.0411708	.0659999
st_MN	.0334621	.0062712	5.34	0.000	.0208721	.0460521
st_MO	.0458302	.0061429	7.46	0.000	.0334979	.0581625
st_MS	.0693971	.0063044	11.01	0.000	.0567405	.0820536
st_MT	-.0690886	.0095066	-7.27	0.000	-.0881738	-.0500034
st_NC	.0278295	.006163	4.52	0.000	.0154567	.0402022
st_ND	0	(omitted)				
st_NE	.0113512	.006409	1.77	0.083	-.0015154	.0242179
st_NH	.0135176	.006171	2.19	0.033	.0011288	.0259064
st_NJ	.0184695	.0063025	2.93	0.005	.0058166	.0311224
st_NM	.0922751	.0064492	14.31	0.000	.0793278	.1052223
st_NV	.0290482	.0062912	4.62	0.000	.0164181	.0416783
st_NY	0	(omitted)				
st_OH	.0235134	.0063361	3.71	0.001	.0107932	.0362336

st_OK	.0318277	.0062271	5.11	0.000	.0193263	.0443291
st_OR	.029317	.0061949	4.73	0.000	.0168803	.0417537
st_PA	.0039887	.0062035	0.64	0.523	-.0084653	.0164428
st_PR	.0328563	.0079984	4.11	0.000	.0167988	.0489138
st_RI	-.0094624	.0065612	-1.44	0.155	-.0226345	.0037097
st_SC	.0247404	.0062459	3.96	0.000	.0122011	.0372796
st_SD	.0191222	.0063121	3.03	0.004	.0064501	.0317943
st_TN	.0304638	.0061683	4.94	0.000	.0180805	.0428471
st_TX	.0026402	.0062278	0.42	0.673	-.0098627	.0151431
st_UT	.0072829	.0063807	1.14	0.259	-.0055269	.0200926
st_VA	.0039705	.0062332	0.64	0.527	-.0085431	.0164841
st_VT	.0493636	.0062331	7.92	0.000	.0368502	.061877
st_WA	-.003751	.0061996	-0.61	0.548	-.0161971	.0086951
st_WI	.0316381	.0061948	5.11	0.000	.0192016	.0440747
st_WV	-.0038872	.0063804	-0.61	0.545	-.0166965	.0089221
st_WY	-.0266732	.006668	-4.00	0.000	-.0400599	-.0132866
pial	.0000321	6.02e-06	5.33	0.000	.00002	.0000442
pia_miss	.0310189	.0049439	6.27	0.000	.0210935	.0409442
ime1	-.000012	2.21e-06	-5.41	0.000	-.0000164	-7.53e-06
ime_miss	-.0322457	.0053976	-5.97	0.000	-.0430819	-.0214095
_cons	.1297666	.0094142	13.78	0.000	.1108669	.1486664

(1) motoimm = 0

F(1, 51) = 0.37
 Prob > F = 0.5436

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_nounemp.x
 > ls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs =	43080
F(45, 51) =	.
Prob > F =	.
R-squared =	0.0426
Root MSE =	.25318

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0005454	.000623	0.88	0.385	-.0007054	.0017962
male	-.0031186	.0024053	-1.30	0.201	-.0079475	.0017103
gendermiss_flag	-.0532001	.003764	-14.13	0.000	-.0607567	-.0456435
tsd_age	-.0028015	.0001936	-14.47	0.000	-.0031902	-.0024127
doage2	-.0001185	.0001766	-0.67	0.505	-.000473	.000236
doage2miss_flag	-.077252	.0280688	-2.75	0.008	-.1336025	-.0209016
race_a	.0043941	.0149872	0.29	0.771	-.025694	.0344822
race_b	.0110949	.0030394	3.65	0.001	.0049931	.0171967
race_h	.0014041	.0062367	0.23	0.823	-.0111167	.0139248
race_i	-.0181966	.0098225	-1.85	0.070	-.0379161	.0015229
race_o	-.0276852	.0096272	-2.88	0.006	-.0470125	-.0083579
race_mis	.0013452	.0109631	0.12	0.903	-.0206643	.0233546
tsd_edu_hs	.0051493	.00236	2.18	0.034	.0004114	.0098873
tsd_edu_mrhs	.023215	.0033493	6.93	0.000	.0164911	.029939
tsd_edu_mis	.0082626	.0033517	2.47	0.017	.0015339	.0149914
tsd_mie_exp	-.0005393	.0047751	-0.11	0.911	-.0101257	.0090471
tsd_mie_mis	-.0074394	.0021003	-3.54	0.001	-.0116559	-.0032228

tsd_mie_psbl	.0026775	.0033569	0.80	0.429	-.0040617	.0094166
tsd_medicare	-.0228186	.0025105	-9.09	0.000	-.0278587	-.0177785
tsd_medicare_miss	-.0597939	.0044321	-13.49	0.000	-.0686916	-.0508961
tsd_depend_1	-.0083885	.0028108	-2.98	0.004	-.0140315	-.0027456
tsd_depend_2	-.0005444	.0034105	-0.16	0.874	-.0073912	.0063024
tsd_depend_miss	-.0485263	.0064902	-7.48	0.000	-.0615558	-.0354968
tsd_vrpr	-.038452	.0072811	-5.28	0.000	-.0530695	-.0238346
tsd_vrpr_miss	-.0751833	.0068692	-10.94	0.000	-.0889739	-.0613928
pdcgrou2	-.0275498	.0047482	-5.80	0.000	-.0370823	-.0180174
pdcgrou3	-.0233551	.0041221	-5.67	0.000	-.0316306	-.0150796
pdcgrou4	-.0221565	.0043537	-5.09	0.000	-.030897	-.0134161
pdcgrou5	.002596	.0299628	0.09	0.931	-.0575569	-.0627489
cohort2000	-.0111241	.0048557	-2.29	0.026	-.0208724	-.0013757
cohort2001	-.0163569	.0085482	-1.91	0.061	-.0335182	.0008045
cohort2002	-.0134957	.0144066	-0.94	0.353	-.0424182	.0154268
cohort2003	.0069247	.0168052	0.41	0.682	-.0268132	.0406625
cohort2004	-.0503271	.0138608	-3.63	0.001	-.0781539	-.0225003
award_b4_tsd	.0264273	.0063759	4.14	0.000	.0136272	.0392274
diaward_tsd	-.0009101	.0003967	-2.29	0.026	-.0017066	-.0001136
epeb4twp_flag	.0639471	.067749	0.94	0.350	-.0720647	.1999588
ldwb4twp_flag	.0128748	.0739991	0.17	0.863	-.1356847	.1614342
ldwb4epe_flag	.2694058	.0307721	8.75	0.000	.2076282	.3311835
twpb4tsd	-.0786194	.00291	-27.02	0.000	-.0844615	-.0727773
epeb4tsd	-.0560551	.0031117	-18.01	0.000	-.0623021	-.0498081
ldwb4tsd	-.0246153	.0013854	-17.77	0.000	-.0273966	-.0218341
st_AL	.0326728	.0111258	2.94	0.005	.0103367	.0550088
st_AR	.0558473	.0111307	5.02	0.000	.0335015	.0781932
st_AZ	.0762774	.011089	6.88	0.000	.0540154	.0985394
st_CA	.059134	.0110275	5.36	0.000	.0369953	.0812727
st_CO	.0633597	.0110475	5.74	0.000	.0411811	.0855384
st_CT	.0483761	.0111312	4.35	0.000	.0260293	.0707229
st_DC	-.0290355	.0123706	-2.35	0.023	-.0538705	-.0042006
st_DE	.0762622	.0110167	6.92	0.000	.0541452	.0983792
st_FL	.0667371	.0110422	6.04	0.000	.0445689	.0889053
st_GA	.0936359	.0110261	8.49	0.000	.0715001	.1157716
st_HI	-.0217372	.0116017	-1.87	0.067	-.0450286	.0015542
st_IA	.0596045	.0110499	5.39	0.000	.0374209	.0817881
st_ID	.0136737	.0111492	1.23	0.226	-.0087093	.0360566
st_IL	.0695159	.0110498	6.29	0.000	.0473326	.0916992
st_IN	.038737	.0110426	3.51	0.001	.0165681	.0609059
st_KS	.0455407	.0110493	4.12	0.000	.0233583	.0677232
st_KY	.0588678	.0111002	5.30	0.000	.0365832	.0811524
st_LA	.1228329	.0112424	10.93	0.000	.1002629	.145403
st_MA	.0752882	.0110288	6.83	0.000	.0531469	.0974294
st_MD	-.0096413	.0110311	-0.87	0.386	-.0317872	.0125046
st_ME	-.0100068	.0112889	-0.89	0.380	-.0326704	.0126567
st_MI	.0492872	.011008	4.48	0.000	.0271877	.0713868
st_MN	.0692269	.0110234	6.28	0.000	.0470965	.0913573
st_MO	.043955	.0109794	4.00	0.000	.021913	.0659971
st_MS	.064833	.0111537	5.81	0.000	.0424409	.087225
st_MT	-.1263767	.0137201	-9.21	0.000	-.1539209	-.0988324
st_NC	.0544425	.0109614	4.97	0.000	.0324366	.0764484
st_ND	0	(omitted)				
st_NE	.0205003	.0111237	1.84	0.071	-.0018314	.0428319
st_NH	.0216154	.0110809	1.95	0.057	-.0006304	.0438613
st_NJ	.0757781	.0111723	6.78	0.000	.0533489	.0982074
st_NM	.0907706	.0112547	8.07	0.000	.0681758	.1133653
st_NV	.0235047	.0111478	2.11	0.040	.0011246	.0458847
st_NY	0	(omitted)				
st_OH	.0217292	.0110693	1.96	0.055	-.0004933	.0439516
st_OK	.0544579	.0110329	4.94	0.000	.0323083	.0766074
st_OR	.0509292	.0110119	4.62	0.000	.0288218	.0730366
st_PA	.0236029	.0109905	2.15	0.037	.0015386	.0456672

st_PR	.0410229	.0128984	3.18	0.003	.0151283	.0669175
st_RI	.1226121	.0114314	10.73	0.000	.0996626	.1455617
st_SC	.0448288	.0110105	4.07	0.000	.0227243	.0669333
st_SD	.0326914	.0111361	2.94	0.005	.0103348	.055048
st_TN	.1084396	.0109957	9.86	0.000	.086365	.1305143
st_TX	.0039314	.0110471	0.36	0.723	-.0182465	.0261093
st_UT	.1111369	.0111523	9.97	0.000	.0887478	.133526
st_VA	.041021	.0110526	3.71	0.001	.018832	.0632099
st_VT	.0682579	.0110564	6.17	0.000	.0460612	.0904546
st_WA	-.0083525	.0110801	-0.75	0.454	-.0305967	.0138916
st_WI	.0554734	.0110202	5.03	0.000	.0333495	.0775974
st_WV	-.0159993	.0114572	-1.40	0.169	-.0390006	.007002
st_WY	-.0384505	.0112803	-3.41	0.001	-.0610966	-.0158045
pial	.0000475	9.83e-06	4.84	0.000	.0000278	.0000672
pia_miss	.0389053	.0063271	6.15	0.000	.026203	.0516075
ime1	-.0000165	3.60e-06	-4.58	0.000	-.0000237	-9.26e-06
ime_miss	-.0509562	.0066667	-7.64	0.000	-.0643401	-.0375723
_cons	.2184784	.0173636	12.58	0.000	.1836195	.2533373

(1) motoimm = 0

F(1, 51) = 0.77
 Prob > F = 0.3855

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_nounemp.x

> ls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.0544
 Root MSE = .28643

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0007544	.0007349	1.03	0.309	-.000721	.0022298
male	-.0028781	.0023416	-1.23	0.225	-.007579	.0018229
gendermiss_flag	-.0723972	.0043987	-16.46	0.000	-.0812279	-.0635664
tsd_age	-.0035548	.0002692	-13.20	0.000	-.0040954	-.0030143
doage2	-.0002295	.0002192	-1.05	0.300	-.0006695	.0002105
doage2miss_flag	-.0992642	.0372088	-2.67	0.010	-.173964	-.0245643
race_a	.0044253	.015969	0.28	0.783	-.0276337	.0364844
race_b	.0153898	.0034203	4.50	0.000	.0085233	.0222563
race_h	.002348	.0069617	0.34	0.737	-.0116282	.0163241
race_i	-.0115838	.0108385	-1.07	0.290	-.033343	.0101754
race_o	-.0383983	.0127525	-3.01	0.004	-.064	-.0127966
race_mis	.0017416	.0133288	0.13	0.897	-.0250171	.0285002
tsd_edu_hs	.0095135	.0031672	3.00	0.004	.0031552	.0158719
tsd_edu_mrhs	.0313378	.0038879	8.06	0.000	.0235324	.0391431
tsd_edu_mis	.0080256	.0043018	1.87	0.068	-.0006106	.0166618
tsd_mie_exp	.0054985	.0072965	0.75	0.455	-.0091499	.0201469
tsd_mie_mis	-.0068004	.0028275	-2.41	0.020	-.0124767	-.001124
tsd_mie_psbl	.0058398	.0033424	1.75	0.087	-.0008704	.0125501
tsd_medicare	-.0286783	.0037044	-7.74	0.000	-.0361152	-.0212414
tsd_medicare_miss	-.077279	.0055077	-14.03	0.000	-.0883362	-.0662217

tsd_depend_1	-.0072353	.0037973	-1.91	0.062	-.0148587	.0003882
tsd_depend_2	.0041002	.004483	0.91	0.365	-.0048998	.0131003
tsd_depend_miss	-.0657876	.0103003	-6.39	0.000	-.0864662	-.045109
tsd_vrpr	-.0563004	.0074177	-7.59	0.000	-.0711921	-.0414088
tsd_vrpr_miss	-.1061105	.006052	-17.53	0.000	-.1182604	-.0939606
pdcgrou2	-.0347941	.0070755	-4.92	0.000	-.0489987	-.0205895
pdcgrou3	-.0261441	.0059163	-4.42	0.000	-.0380216	-.0142665
pdcgrou4	-.0299288	.0052052	-5.75	0.000	-.0403786	-.019479
pdcgrou5	.0076073	.0278112	0.27	0.786	-.048226	.0634407
cohort2000	-.0109076	.0054343	-2.01	0.050	-.0218174	2.23e-06
cohort2001	-.0147603	.0089882	-1.64	0.107	-.032805	.0032843
cohort2002	-.0154518	.0155649	-0.99	0.326	-.0466998	.0157961
cohort2003	.0462619	.024984	1.85	0.070	-.0038956	.0964193
cohort2004	-.0248039	.0196813	-1.26	0.213	-.0643157	.0147079
award_b4_tsd	.031929	.0092621	3.45	0.001	.0133345	.0505235
diaward_tsd	-.0009235	.0003792	-2.44	0.018	-.0016848	-.0001622
epeb4twp_flag	.2270022	.0984119	2.31	0.025	.029432	.4245724
ldwb4twp_flag	.029189	.1302959	0.22	0.824	-.2323909	.2907688
ldwb4epe_flag	.3514705	.025053	14.03	0.000	.3011744	.4017666
twpb4tsd	-.1036625	.0033272	-31.16	0.000	-.1103422	-.0969828
epeb4tsd	-.0735535	.0034701	-21.20	0.000	-.08052	-.066587
ldwb4tsd	-.0310002	.0023501	-13.19	0.000	-.0357182	-.0262822
st_AL	.0252287	.0164102	1.54	0.130	-.0077162	.0581736
st_AR	.0516389	.0162922	3.17	0.003	.018931	.0843468
st_AZ	.1002295	.0162782	6.16	0.000	.0675498	.1329093
st_CA	.0916265	.0162405	5.64	0.000	.0590223	.1242308
st_CO	.0829818	.0162505	5.11	0.000	.0503575	.1156062
st_CT	.0740269	.0163587	4.53	0.000	.0411854	.1068684
st_DC	-.0335979	.0184332	-1.82	0.074	-.070604	.0034082
st_DE	.0937714	.0162146	5.78	0.000	.0612192	.1263237
st_FL	.0904958	.0162382	5.57	0.000	.0578963	.1230952
st_GA	.1098884	.0161994	6.78	0.000	.0773668	.1424101
st_HI	-.027142	.0171617	-1.58	0.120	-.0615955	.0073115
st_IA	.0811049	.0162661	4.99	0.000	.0484492	.1137605
st_ID	.0172716	.0164416	1.05	0.298	-.0157363	.0502796
st_IL	.0880392	.0162675	5.41	0.000	.0553809	.1206974
st_IN	.0389083	.0162397	2.40	0.020	.0063058	.0715109
st_KS	.0920812	.0162109	5.68	0.000	.0595365	.1246259
st_KY	.0598487	.0163245	3.67	0.001	.027076	.0926215
st_LA	.1333639	.0164609	8.10	0.000	.1003173	.1664106
st_MA	.1005944	.016251	6.19	0.000	.0679691	.1332197
st_MD	-.011732	.0162027	-0.72	0.472	-.0442604	.0207963
st_ME	-.0160032	.0166043	-0.96	0.340	-.0493377	.0173314
st_MI	.1256193	.0162035	7.75	0.000	.0930895	.1581492
st_MN	.063418	.0162854	3.89	0.000	.0307236	.0961124
st_MO	.0392189	.0161576	2.43	0.019	.0067811	.0716567
st_MS	.0586295	.0163086	3.59	0.001	.0258886	.0913704
st_MT	.8375596	.01874	44.69	0.000	.7999375	.8751817
st_NC	.0539393	.0161586	3.34	0.002	.0214995	.086379
st_ND	0	(omitted)				
st_NE	.0784721	.0162365	4.83	0.000	.0458759	.1110683
st_NH	.0272015	.0163141	1.67	0.102	-.0055504	.0599535
st_NJ	.0927846	.0165413	5.61	0.000	.0595765	.1259927
st_NM	.0871356	.0164755	5.29	0.000	.0540597	.1202114
st_NV	.0910489	.0163797	5.56	0.000	.0581653	.1239325
st_NY	0	(omitted)				
st_OH	.0199008	.0162618	1.22	0.227	-.0127462	.0525477
st_OK	.0767928	.0162062	4.74	0.000	.0442575	.1093281
st_OR	.0710494	.0162403	4.37	0.000	.0384456	.1036533
st_PA	.0200762	.0161947	1.24	0.221	-.012436	.0525884
st_PR	.0378356	.0173395	2.18	0.034	.0030251	.0726462
st_RI	.1148223	.0163623	7.02	0.000	.0819735	.147671
st_SC	.0603165	.0162207	3.72	0.000	.0277521	.0928809

st_SD	.0419472	.016426	2.55	0.014	.0089706	.0749239
st_TN	.187014	.0162154	11.53	0.000	.1544601	.2195678
st_TX	.0034585	.0162138	0.21	0.832	-.029092	.036009
st_UT	.1023845	.0163499	6.26	0.000	.0695608	.1352082
st_VA	.0382664	.0162827	2.35	0.023	.0055775	.0709553
st_VT	.0956911	.0163072	5.87	0.000	.062953	.1284292
st_WA	-.0115773	.0162269	-0.71	0.479	-.0441541	.0209995
st_WI	.0737322	.0162374	4.54	0.000	.0411341	.1063302
st_WV	-.0281431	.0166207	-1.69	0.097	-.0615106	.0052244
st_WY	-.0471185	.0163083	-2.89	0.006	-.0798588	-.0143783
pial	.0000702	9.81e-06	7.16	0.000	.0000505	.0000899
pia_miss	.0674496	.0145248	4.64	0.000	.0382898	.0966093
ime1	-.000023	3.87e-06	-5.95	0.000	-.0000307	-.0000152
ime_miss	-.0680294	.0076381	-8.91	0.000	-.0833635	-.0526953
_cons	.2712543	.0243632	11.13	0.000	.2223432	.3201654

(1) motoimm = 0

F(1, 51) = 1.05
 Prob > F = 0.3095

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_nounemp.x
 > ls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs =	43080
F(45, 51) =	.
Prob > F =	.
R-squared =	0.0633
Root MSE =	.30866

(Std. Err. adjusted for 52 clusters in tsd_state)

twproll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	.0010699	.0008217	1.30	0.199	-.0005798 .0027196
male	-.0046962	.0032352	-1.45	0.153	-.0111912 .0017987
gendermiss_flag	-.0859907	.003212	-26.77	0.000	-.0924392 -.0795423
tsd_age	-.0043542	.0002983	-14.60	0.000	-.004953 -.0037554
doage2	-6.67e-06	.000201	-0.03	0.974	-.0004101 .0003968
doage2miss_flag	-.1113123	.0417961	-2.66	0.010	-.1952215 -.027403
race_a	-.003169	.0169877	-0.19	0.853	-.0372733 .0309353
race_b	.0192142	.0039895	4.82	0.000	.0112049 .0272235
race_h	-.0000233	.0080625	-0.00	0.998	-.0162094 .0161629
race_i	-.0195934	.0123074	-1.59	0.118	-.0443015 .0051148
race_o	-.0398127	.0179089	-2.22	0.031	-.0757663 -.003859
race_mis	-.0090328	.0129613	-0.70	0.489	-.0350536 .016988
tsd_edu_hs	.0092375	.0036819	2.51	0.015	.0018458 .0166292
tsd_edu_mrhs	.0345472	.0045735	7.55	0.000	.0253655 .0437288
tsd_edu_mis	.0086423	.0054933	1.57	0.122	-.002386 .0196707
tsd_mie_exp	.0036062	.0082185	0.44	0.663	-.012893 .0201055
tsd_mie_mis	-.0058225	.0035015	-1.66	0.102	-.0128519 .001207
tsd_mie_psbl	.0053381	.003385	1.58	0.121	-.0014577 .0121338
tsd_medicare	-.0322025	.0046131	-6.98	0.000	-.0414637 -.0229414
tsd_medicare_miss	-.0898949	.006658	-13.50	0.000	-.1032614 -.0765284
tsd_depend_1	-.0052929	.0037216	-1.42	0.161	-.0127643 .0021785
tsd_depend_2	.0074245	.0048594	1.53	0.133	-.0023312 .0171802
tsd_depend_miss	-.0712918	.0132468	-5.38	0.000	-.0978859 -.0446977

tsd_vrpr	-.0820883	.0084449	-9.72	0.000	-.0990422	-.0651345
tsd_vrpr_miss	-.1362494	.0050013	-27.24	0.000	-.14629	-.1262089
pdcgrou2	-.0389179	.0086443	-4.50	0.000	-.056272	-.0215638
pdcgrou3	-.0260702	.0057668	-4.52	0.000	-.0376476	-.0144929
pdcgrou4	-.0338117	.0058863	-5.74	0.000	-.0456289	-.0219945
pdcgrou5	-.0039955	.0282374	-0.14	0.888	-.0606845	.0526934
cohort2000	-.0111148	.0062251	-1.79	0.079	-.0236454	.0013494
cohort2001	-.0194417	.009303	-2.09	0.042	-.0381183	-.0007651
cohort2002	-.0234801	.0188714	-1.24	0.219	-.061366	.0144058
cohort2003	.0618308	.0258106	2.40	0.020	.0100139	.1136477
cohort2004	-.0071698	.0304534	-0.24	0.815	-.0683076	.053968
award_b4_tsd	.0420264	.0140415	2.99	0.004	.0138368	.070216
diaward_tsd	-.0009219	.0003669	-2.51	0.015	-.0016586	-.0001853
epeb4twp_flag	.4287204	.1259346	3.40	0.001	.1758961	.6815446
ldwb4twp_flag	-.0272975	.1112582	-0.25	0.807	-.2506576	.1960626
ldwb4epe_flag	.4099538	.0470569	8.71	0.000	.3154831	.5044244
twpb4tsd	-.1239899	.0043009	-28.83	0.000	-.1326243	-.1153555
epeb4tsd	-.0877462	.0041778	-21.00	0.000	-.0961334	-.079359
ldwb4tsd	-.0384637	.0029516	-13.03	0.000	-.0443892	-.0325381
st_AL	-.0254112	.0224322	-1.13	0.263	-.0704457	.0196233
st_AR	.0052559	.0222377	0.24	0.814	-.0393882	.0499
st_AZ	.076287	.022246	3.43	0.001	.0316263	.1209476
st_CA	.0468226	.0222462	2.10	0.040	.0021615	.0914836
st_CO	.0493593	.0222319	2.22	0.031	.004727	.0939916
st_CT	.0561405	.022492	2.50	0.016	.0109858	.1012951
st_DC	.2548061	.0239889	10.62	0.000	.2066463	.302966
st_DE	.059091	.0222212	2.66	0.010	.0144801	.1037019
st_FL	.0599368	.0222256	2.70	0.009	.0153171	.1045565
st_GA	.061822	.0222386	2.78	0.008	.0171762	.1064679
st_HI	-.0732231	.0233545	-3.14	0.003	-.1201092	-.0263369
st_IA	.0579198	.0222353	2.60	0.012	.0132806	.102559
st_ID	-.0250897	.0225746	-1.11	0.272	-.0704101	.0202308
st_IL	.0591794	.0222461	2.66	0.010	.0145185	.1038403
st_IN	-.0043856	.0222041	-0.20	0.844	-.0489622	.0401909
st_KS	.0460974	.0220998	2.09	0.042	.0017302	.0904646
st_KY	.0169532	.0222583	0.76	0.450	-.0277322	.0616387
st_LA	.0952025	.0223782	4.25	0.000	.0502764	.1401286
st_MA	.0815926	.0222398	3.67	0.001	.0369443	.1262409
st_MD	.0010245	.0222626	0.05	0.963	-.0436696	.0457186
st_ME	-.0637188	.0224806	-2.83	0.007	-.1088505	-.0185871
st_MI	.0782074	.0221227	3.54	0.001	.0337943	.1226206
st_MN	.0171617	.0223226	0.77	0.446	-.0276529	.0619762
st_MO	.0380156	.0221688	1.71	0.092	-.0064902	.0825214
st_MS	.0076365	.0222879	0.34	0.733	-.0371084	.0523814
st_MT	.7596917	.0247131	30.74	0.000	.7100782	.8093053
st_NC	.0341083	.0221693	1.54	0.130	-.0103984	.078615
st_ND	0	(omitted)				
st_NE	.0377797	.0222286	1.70	0.095	-.0068461	.0824055
st_NH	.0460057	.0221259	2.08	0.043	.0015861	.0904252
st_NJ	.085156	.0226007	3.77	0.000	.0397833	.1305288
st_NM	.041693	.0224352	1.86	0.069	-.0033474	.0867335
st_NV	.081233	.0223034	3.64	0.001	.0364571	.126009
st_NY	0	(omitted)				
st_OH	.003013	.0221636	0.14	0.892	-.0414823	.0475083
st_OK	.0498499	.0221505	2.25	0.029	.0053809	.0943188
st_OR	.052209	.0221927	2.35	0.023	.0076553	.0967626
st_PA	-.0262606	.0222177	-1.18	0.243	-.0708646	.0183433
st_PR	.0675572	.0234991	2.87	0.006	.0203809	.1147336
st_RI	.0650494	.0224697	2.89	0.006	.0199397	.1101592
st_SC	.0265069	.0221995	1.19	0.238	-.0180605	.0710743
st_SD	.0032042	.0224504	0.14	0.887	-.0418668	.0482751
st_TN	.1387129	.0222494	6.23	0.000	.0940454	.1833805
st_TX	-.0424058	.0220991	-1.92	0.061	-.0867716	.00196

st_UT	.0531458	.0222249	2.39	0.021	.0085275	.0977641
st_VA	-.009115	.0222561	-0.41	0.684	-.0537961	.035566
st_VT	.0835669	.0222448	3.76	0.000	.0389086	.1282253
st_WA	.0067989	.0221252	0.31	0.760	-.0376194	.0512171
st_WI	.0455923	.0221894	2.05	0.045	.0010452	.0901394
st_WV	-.0806611	.0224528	-3.59	0.001	-.1257369	-.0355853
st_WY	-.0988029	.0224136	-4.41	0.000	-.1438001	-.0538057
pial	.0000846	.0000125	6.79	0.000	.0000596	.0001096
pia_miss	.0796954	.0166064	4.80	0.000	.0463567	.1130341
ime1	-.0000278	4.49e-06	-6.18	0.000	-.0000368	-.0000188
ime_miss	-.0832241	.0072953	-11.41	0.000	-.09787	-.0685782
_cons	.3697353	.0303985	12.16	0.000	.3087078	.4307628

(1) motoimm = 0

F(1, 51) = 1.70
 Prob > F = 0.1988

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_nounemp.x

> ls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.2521
 Root MSE = .1581

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0005169	.0005582	-0.93	0.359	-.0016374	.0006036
male	.0016056	.0018411	0.87	0.387	-.0020906	.0053018
gendermiss_flag	.0002675	.0024498	0.11	0.913	-.0046508	.0051857
tsd_age	-.0003472	.000174	-2.00	0.051	-.0006965	2.03e-06
doage2	-.0001236	.0001692	-0.73	0.468	-.0004633	.000216
doage2miss_flag	-.0187142	.0094604	-1.98	0.053	-.0377068	.0002784
race_a	-.000809	.0067001	-0.12	0.904	-.0142601	.012642
race_b	.0005216	.0016465	0.32	0.753	-.0027839	.003827
race_h	-.006325	.0019729	-3.21	0.002	-.0102856	-.0023643
race_i	-.0046786	.011591	-0.40	0.688	-.0279484	.0185913
race_o	-.0067517	.0135499	-0.50	0.620	-.0339542	.0204508
race_mis	-.0039106	.0073518	-0.53	0.597	-.0186698	.0108487
tsd_edu_hs	.0027283	.0016546	1.65	0.105	-.0005934	.0060501
tsd_edu_mrhs	.0084618	.0025215	3.36	0.002	.0033997	.013524
tsd_edu_mis	.0016554	.0024469	0.68	0.502	-.0032569	.0065677
tsd_mie_exp	-.004831	.0084845	-0.57	0.572	-.0218643	.0122024
tsd_mie_mis	-.0063387	.0032834	-1.93	0.059	-.0129304	.0002529
tsd_mie_psbl	-.0054541	.0041071	-1.33	0.190	-.0136994	.0027912
tsd_medicare	-.0021825	.0015801	-1.38	0.173	-.0053548	.0009897
tsd_medicare_miss	-.0084562	.0052806	-1.60	0.115	-.0190573	.002145
tsd_depend_1	-.0014483	.0015742	-0.92	0.362	-.0046087	.001712
tsd_depend_2	-.0024446	.0014712	-1.66	0.103	-.005398	.0005089
tsd_depend_miss	-.009408	.0041769	-2.25	0.029	-.0177934	-.0010225
tsd_vrpr	-.3371215	.0092641	-36.39	0.000	-.3557199	-.3185232
tsd_vrpr_miss	-.3649226	.0128482	-28.40	0.000	-.3907164	-.3391287
pdcgrou2	.0005578	.0026775	0.21	0.836	-.0048175	.0059331

pdgroup3	.0011621	.0025588	0.45	0.652	-.0039748	.006299
pdgroup4	.0056299	.0016492	3.41	0.001	.0023191	.0089407
pdgroup5	.0122457	.0248522	0.49	0.624	-.0376472	.0621385
cohort2000	-.0065381	.0027798	-2.35	0.023	-.0121189	-.0009573
cohort2001	-.0121952	.0044445	-2.74	0.008	-.0211179	-.0032725
cohort2002	-.0174704	.0070917	-2.46	0.017	-.0317076	-.0032331
cohort2003	-.0429405	.0117426	-3.66	0.001	-.0665148	-.0193663
cohort2004	-.0485523	.0094164	-5.16	0.000	-.0674565	-.029648
award_b4_tsd	-.0009313	.0065227	-0.14	0.887	-.0140262	.0121637
diaward_tsd	-.0006125	.0001748	-3.50	0.001	-.0009634	-.0002617
epeb4twp_flag	-.0218082	.0237156	-0.92	0.362	-.0694193	.0258029
ldwb4twp_flag	-.0956746	.0349485	-2.74	0.009	-.1658367	-.0255125
ldwb4epe_flag	.0240034	.0271008	0.89	0.380	-.0304037	.0784106
twpb4tsd	.0082778	.0023009	3.60	0.001	.0036585	.012897
epeb4tsd	-.0009044	.0043017	-0.21	0.834	-.0095404	.0077315
ldwb4tsd	.0021198	.0071566	0.30	0.768	-.0122477	.0164874
st_AL	-.0819735	.0104674	-7.83	0.000	-.1029878	-.0609593
st_AR	-.0132069	.0103409	-1.28	0.207	-.0339672	.0075534
st_AZ	.0122475	.0103562	1.18	0.242	-.0085433	.0330384
st_CA	.0038758	.0103401	0.37	0.709	-.0168828	.0246344
st_CO	.0119787	.0103208	1.16	0.251	-.0087411	.0326986
st_CT	.0001592	.010577	0.02	0.988	-.0210749	.0213934
st_DC	-.004267	.01151	-0.37	0.712	-.0273743	.0188403
st_DE	.0325841	.0103268	3.16	0.003	.0118522	.0533161
st_FL	.0179315	.0103154	1.74	0.088	-.0027775	.0386405
st_GA	.0079391	.010368	0.77	0.447	-.0128756	.0287539
st_HI	.005664	.0104862	0.54	0.591	-.015388	.026716
st_IA	.0162227	.0103893	1.56	0.125	-.0046346	.0370801
st_ID	.0114195	.010365	1.10	0.276	-.0093891	.0322282
st_IL	.0268324	.0103086	2.60	0.012	.006137	.0475279
st_IN	.0434735	.0103399	4.20	0.000	.0227153	.0642317
st_KS	-.0095257	.0104159	-0.91	0.365	-.0304365	.0113851
st_KY	.0076529	.0104179	0.73	0.466	-.013262	.0285678
st_LA	.008461	.0104641	0.81	0.423	-.0125465	.0294685
st_MA	.0119893	.0103229	1.16	0.251	-.0087347	.0327133
st_MD	.0230773	.0103878	2.22	0.031	.0022229	.0439318
st_ME	.0098079	.010468	0.94	0.353	-.0112075	.0308233
st_MI	.0506619	.0103905	4.88	0.000	.029802	.0715218
st_MN	-.007509	.0103291	-0.73	0.471	-.0282455	.0132275
st_MO	-.0408646	.0103929	-3.93	0.000	-.0617292	-.02
st_MS	-.0179102	.0103552	-1.73	0.090	-.0386991	.0028787
st_MT	-.355008	.0145806	-24.35	0.000	-.3842797	-.3257362
st_NC	.0066917	.010317	0.65	0.520	-.0140205	.0274039
st_ND	0	(omitted)				
st_NE	.0100608	.0106749	0.94	0.350	-.0113701	.0314916
st_NH	-.014458	.0103146	-1.40	0.167	-.0351654	.0062494
st_NJ	.0577211	.0103427	5.58	0.000	.0369573	.0784848
st_NM	.0098567	.0107737	0.91	0.365	-.0117724	.0314858
st_NV	.0005304	.0104572	0.05	0.960	-.0204633	.021524
st_NY	0	(omitted)				
st_OH	-.0132605	.0103137	-1.29	0.204	-.0339661	.0074452
st_OK	.0285	.010362	2.75	0.008	.0076974	.0493025
st_OR	.0110148	.0103389	1.07	0.292	-.0097414	.031771
st_PA	-.0257235	.0103002	-2.50	0.016	-.046402	-.0050449
st_PR	.0287801	.0106279	2.71	0.009	.0074436	.0501165
st_RI	-.039045	.0104777	-3.73	0.000	-.0600798	-.0180102
st_SC	.0218827	.0103182	2.12	0.039	.0011681	.0425974
st_SD	.0108264	.0105291	1.03	0.309	-.0103117	.0319645
st_TN	-.0253761	.0104701	-2.42	0.019	-.0463957	-.0043566
st_TX	.0230709	.0103664	2.23	0.030	.0022595	.0438823
st_UT	-.0632468	.0104679	-6.04	0.000	-.084262	-.0422316
st_VA	.023668	.0103679	2.28	0.027	.0028536	.0444823
st_VT	.0284801	.0104327	2.73	0.009	.0075355	.0494247

st_WA	-.0380338	.0103421	-3.68	0.001	-.0587964	-.0172713
st_WI	.0392566	.0103581	3.79	0.000	.018462	.0600513
st_WV	-.0604152	.0107268	-5.63	0.000	-.0819503	-.0388802
st_WY	.0114392	.0105795	1.08	0.285	-.0098001	.0326785
pial	.0000165	8.76e-06	1.88	0.065	-1.08e-06	.0000341
pia_miss	.0140957	.0067439	2.09	0.042	.0005568	.0276346
ime1	-4.83e-06	2.81e-06	-1.72	0.092	-.0000105	8.12e-07
ime_miss	-.0084636	.0035789	-2.36	0.022	-.0156484	-.0012787
_cons	.3799753	.0164706	23.07	0.000	.3469093	.4130413

(1) motoimm = 0

F(1, 51) = 0.86
 Prob > F = 0.3588

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_nounemp.x
 > ls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.4010
 Root MSE = .17871

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0002093	.0005029	-0.42	0.679	-.001219	.0008003
male	.0018981	.0013429	1.41	0.164	-.0007978	.004594
gendermiss_flag	-.0047238	.003808	-1.24	0.220	-.0123687	.0029211
tsd_age	-.0007469	.0002971	-2.51	0.015	-.0013432	-.0001505
doage2	-.0001052	.0002987	-0.35	0.726	-.0007049	.0004945
doage2miss_flag	-.0252485	.0176611	-1.43	0.159	-.0607046	.0102076
race_a	.0015398	.007193	0.21	0.831	-.0129007	.0159803
race_b	-.0028102	.0019826	-1.42	0.162	-.0067904	.0011699
race_h	-.0073195	.0026342	-2.78	0.008	-.0126079	-.0020311
race_i	-.0023627	.0067233	-0.35	0.727	-.0158603	.0111349
race_o	-.0004079	.0093083	-0.04	0.965	-.019095	.0182792
race_mis	.0001441	.0077843	0.02	0.985	-.0154836	.0157717
tsd_edu_hs	.0029774	.0020565	1.45	0.154	-.0011513	.007106
tsd_edu_mrhs	.0123075	.0024678	4.99	0.000	.0073531	.0172618
tsd_edu_mis	.0017092	.0016996	1.01	0.319	-.0017029	.0051213
tsd_mie_exp	-.0040973	.011337	-0.36	0.719	-.0268574	.0186627
tsd_mie_mis	-.0056213	.0038151	-1.47	0.147	-.0132805	.0020379
tsd_mie_psbl	-.0038943	.0052468	-0.74	0.461	-.0144278	.0066392
tsd_medicare	-.0016454	.0022527	-0.73	0.468	-.0061679	.002877
tsd_medicare_miss	-.006166	.004141	-1.49	0.143	-.0144793	.0021474
tsd_depend_1	-.0019155	.0025279	-0.76	0.452	-.0069904	.0031595
tsd_depend_2	-.0015147	.0023239	-0.65	0.517	-.0061802	.0031508
tsd_depend_miss	-.0045567	.0055369	-0.82	0.414	-.0156725	.0065591
tsd_vrpr	-.5341535	.0098759	-54.09	0.000	-.5539802	-.5143267
tsd_vrpr_miss	-.5842746	.0125402	-46.59	0.000	-.6094502	-.559099
pdcgrou2	-.0000593	.0036882	-0.02	0.987	-.0074637	.007345
pdcgrou3	.0049514	.0030986	1.60	0.116	-.0012693	.0111721
pdcgrou4	.0078233	.0026741	2.93	0.005	.0024549	.0131917
pdcgrou5	-.0002822	.0289722	-0.01	0.992	-.0584462	.0578819

cohort2000	-.0057336	.0030604	-1.87	0.067	-.0118776	.0004104
cohort2001	-.0111951	.0051341	-2.18	0.034	-.0215021	-.000888
cohort2002	-.0147073	.0076516	-1.92	0.060	-.0300687	.000654
cohort2003	-.0533279	.00937	-5.69	0.000	-.072139	-.0345168
cohort2004	-.0769882	.0093218	-8.26	0.000	-.0957025	-.0582738
award_b4_tsd	.0000496	.0058558	0.01	0.993	-.0117064	.0118056
diaward_tsd	-.0006167	.0001832	-3.37	0.001	-.0009845	-.0002489
epeb4twp_flag	-.0390314	.0381164	-1.02	0.311	-.1155533	.0374904
ldwb4twp_flag	-.14835	.0499099	-2.97	0.005	-.2485484	-.0481516
ldwb4epe_flag	.0121541	.0282045	0.43	0.668	-.0444689	.068777
twpb4tsd	.0103297	.0026554	3.89	0.000	.0049988	.0156607
epeb4tsd	-.0055533	.0062848	-0.88	0.381	-.0181707	.007064
ldwb4tsd	.0090817	.008277	1.10	0.278	-.007535	.0256985
st_AL	-.0634329	.0128016	-4.96	0.000	-.0891333	-.0377326
st_AR	-.0086568	.0126532	-0.68	0.497	-.0340592	.0167456
st_AZ	.0391259	.0126424	3.09	0.003	.0137452	.0645067
st_CA	.0257315	.0126585	2.03	0.047	.0003185	.0511446
st_CO	.0446131	.0126268	3.53	0.001	.0192639	.0699624
st_CT	.0431455	.0127178	3.39	0.001	.0176134	.0686776
st_DC	.0022501	.0139649	0.16	0.873	-.0257856	.0302858
st_DE	.0533603	.012671	4.21	0.000	.0279222	.0787984
st_FL	.0471826	.0126537	3.73	0.000	.0217793	.072586
st_GA	.0470061	.0127251	3.69	0.001	.0214595	.0725528
st_HI	.0254934	.0133297	1.91	0.061	-.0012671	.0522539
st_IA	.0489793	.0127285	3.85	0.000	.0234257	.0745329
st_ID	.0332692	.0126802	2.62	0.011	.0078126	.0587258
st_IL	.0562894	.0126357	4.45	0.000	.0309221	.0816567
st_IN	.0997412	.0126564	7.88	0.000	.0743324	.12515
st_KS	-.001358	.0127352	-0.11	0.915	-.0269249	.0242088
st_KY	.0280707	.0126999	2.21	0.032	.0025746	.0535668
st_LA	.0319948	.0127666	2.51	0.015	.0063647	.0576249
st_MA	.0352475	.0126203	2.79	0.007	.0099113	.0605838
st_MD	.0178538	.0127706	1.40	0.168	-.0077843	.043492
st_ME	.0292799	.0127974	2.29	0.026	.0035881	.0549717
st_MI	.0732029	.0126966	5.77	0.000	.0477135	.0986924
st_MN	.0014464	.0126455	0.11	0.909	-.0239405	.0268333
st_MO	.0184055	.0126825	1.45	0.153	-.0070558	.0438668
st_MS	-.0128958	.0126713	-1.02	0.314	-.0383344	.0125428
st_MT	-.5518733	.0161242	-34.23	0.000	-.5842439	-.5195026
st_NC	.0366408	.0126521	2.90	0.006	.0112407	.0620409
st_ND	0	(omitted)				
st_NE	.0324698	.0129289	2.51	0.015	.006514	.0584257
st_NH	.048046	.0126418	3.80	0.000	.0226665	.0734255
st_NJ	.1073616	.012635	8.50	0.000	.0819957	.1327274
st_NM	.0283466	.0127744	2.22	0.031	.0027009	.0539924
st_NV	-.004718	.0127183	-0.37	0.712	-.030251	.0208151
st_NY	0	(omitted)				
st_OH	.052774	.0126493	4.17	0.000	.0273796	.0781685
st_OK	.0592301	.012643	4.68	0.000	.0338483	.0846119
st_OR	.0349734	.0126285	2.77	0.008	.0096206	.0603261
st_PA	-.004149	.0126433	-0.33	0.744	-.0295314	.0212334
st_PR	.0531858	.0131389	4.05	0.000	.0268084	.0795632
st_RI	-.0508612	.0127951	-3.98	0.000	-.0765485	-.0251739
st_SC	.0494134	.0126644	3.90	0.000	.0239886	.0748382
st_SD	.0315106	.0127625	2.47	0.017	.0058889	.0571323
st_TN	.0154418	.0127896	1.21	0.233	-.0102343	.041118
st_TX	.0277051	.0127058	2.18	0.034	.0021972	.053213
st_UT	-.0898466	.0128011	-7.02	0.000	-.1155458	-.0641474
st_VA	.0292201	.0126647	2.31	0.025	.0037946	.0546456
st_VT	.0725977	.0127517	5.69	0.000	.0469976	.0981979
st_WA	-.0464054	.0126313	-3.67	0.001	-.0717637	-.0210471
st_WI	.066176	.0126822	5.22	0.000	.0407155	.0916366
st_WV	-.085857	.0131627	-6.52	0.000	-.1122823	-.0594318

st_WY	.0334719	.0131919	2.54	0.014	.0069881	.0599558
pial	.000028	.0000131	2.14	0.037	1.73e-06	.0000543
pia_miss	.0181995	.0102302	1.78	0.081	-.0023385	.0387375
ime1	-.0000102	3.62e-06	-2.81	0.007	-.0000175	-2.92e-06
ime_miss	-.0160852	.0045794	-3.51	0.001	-.0252787	-.0068917
_cons	.5805999	.0187729	30.93	0.000	.5429116	.6182881

(1) motoimm = 0

F(1, 51) = 0.17
 Prob > F = 0.6790

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_nounemp.x

> ls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.5208
 Root MSE = .17967

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.000558	.0007557	-0.74	0.464	-.0020752	.0009591
male	.0013784	.0018393	0.75	0.457	-.0023141	.0050709
gendermiss_flag	-.0043826	.0037182	-1.18	0.244	-.0118472	.0030821
tsd_age	-.0009701	.0003062	-3.17	0.003	-.0015849	-.0003554
doage2	-.0001334	.000314	-0.42	0.673	-.0007638	.0004971
doage2miss_flag	-.0301411	.0214121	-1.41	0.165	-.0731276	.0128455
race_a	.0038512	.0053825	0.72	0.478	-.0069546	.014657
race_b	-.0029536	.0019644	-1.50	0.139	-.0068973	.00099
race_h	-.0075428	.0036909	-2.04	0.046	-.0149526	-.000133
race_i	-.0082184	.006609	-1.24	0.219	-.0214865	.0050497
race_o	-.010081	.0085237	-1.18	0.242	-.0271931	.0070311
race_mis	-.0071134	.0094225	-0.75	0.454	-.0260299	.0118031
tsd_edu_hs	.0019583	.0016526	1.18	0.242	-.0013594	.005276
tsd_edu_mrhs	.0149505	.0026738	5.59	0.000	.0095827	.0203184
tsd_edu_mis	-.0019051	.0020206	-0.94	0.350	-.0059616	.0021515
tsd_mie_exp	-.0074227	.0097098	-0.76	0.448	-.026916	.0120705
tsd_mie_mis	-.007171	.002589	-2.77	0.008	-.0123686	-.0019734
tsd_mie_psbl	-.0043177	.0042172	-1.02	0.311	-.0127841	.0041488
tsd_medicare	.0012167	.0019619	0.62	0.538	-.002722	.0051555
tsd_medicare_miss	-.0118269	.0045016	-2.63	0.011	-.0208642	-.0027895
tsd_depend_1	-.0034284	.0027178	-1.26	0.213	-.0088847	.0020279
tsd_depend_2	-.0021331	.0026315	-0.81	0.421	-.007416	.0031498
tsd_depend_miss	.0002702	.0058519	0.05	0.963	-.011478	.0120184
tsd_vrpr	-.6869405	.0083431	-82.34	0.000	-.70369	-.670191
tsd_vrpr_miss	-.7496045	.0104095	-72.01	0.000	-.7705024	-.7287067
pdcgrou2	-.000763	.0031491	-0.24	0.810	-.0070851	.005559
pdcgrou3	.004202	.0031322	1.34	0.186	-.0020862	.0104902
pdcgrou4	.006794	.0021665	3.14	0.003	.0024446	.0111433
pdcgrou5	.0127424	.0266682	0.48	0.635	-.0407962	.066281
cohort2000	-.0032797	.0029463	-1.11	0.271	-.0091947	.0026353
cohort2001	-.0055153	.0041471	-1.33	0.189	-.0138408	.0028103
cohort2002	-.0081991	.0084796	-0.97	0.338	-.0252225	.0088243

cohort2003	-.0301666	.0126268	-2.39	0.021	-.0555159	-.0048172
cohort2004	-.0475395	.0137504	-3.46	0.001	-.0751445	-.0199344
award_b4_tsd	-.0049478	.0068436	-0.72	0.473	-.0186869	.0087913
diaward_tsd	-.0005417	.0001343	-4.03	0.000	-.0008114	-.000272
epeb4twp_flag	-.0833857	.0391402	-2.13	0.038	-.1619629	-.0048085
ldwb4twp_flag	.0009535	.0397888	0.02	0.981	-.0789259	.0808328
ldwb4epe_flag	.0124176	.0221592	0.56	0.578	-.0320689	.0569042
twpb4tsd	.0074477	.0029226	2.55	0.014	.0015803	.0133151
epeb4tsd	-.0077091	.006332	-1.22	0.229	-.020421	.0050028
ldwb4tsd	.0112773	.007386	1.53	0.133	-.0035507	.0261052
st_AL	-.1326915	.0216165	-6.14	0.000	-.1760885	-.0892945
st_AR	-.0506533	.0215088	-2.36	0.022	-.093834	-.0074726
st_AZ	.0183787	.0214904	0.86	0.396	-.0247651	.0615225
st_CA	.0092063	.0214782	0.43	0.670	-.0339129	.0523255
st_CO	.0184055	.0214833	0.86	0.396	-.0247241	.0615352
st_CT	.0095269	.0214534	0.44	0.659	-.0335427	.0525965
st_DC	.303239	.0219137	13.84	0.000	.2592454	.3472325
st_DE	.0302835	.021475	1.41	0.165	-.0128294	.0733964
st_FL	.0213881	.0215059	0.99	0.325	-.0217869	.0645631
st_GA	.0121908	.0214733	0.57	0.573	-.0309187	.0553003
st_HI	-.0038531	.0219892	-0.18	0.862	-.0479983	.0402922
st_IA	.0272831	.0215401	1.27	0.211	-.0159605	.0705267
st_ID	.0019159	.0215882	0.09	0.930	-.0414242	.0452559
st_IL	.0332291	.0214792	1.55	0.128	-.0098922	.0763505
st_IN	.071325	.0214672	3.32	0.002	.0282278	.1144222
st_KS	.0079801	.0215131	0.37	0.712	-.0352093	.0511695
st_KY	-.0003827	.0215169	-0.02	0.986	-.0435798	.0428143
st_LA	.0072499	.0215718	0.34	0.738	-.0360572	.0505571
st_MA	.0106147	.0214924	0.49	0.624	-.032533	.0537625
st_MD	-.0304347	.0215293	-1.41	0.164	-.0736566	.0127871
st_ME	-.0021979	.0215647	-0.10	0.919	-.0454909	.041095
st_MI	.0518894	.0214941	2.41	0.019	.0087381	.0950407
st_MN	.0422303	.0215432	1.96	0.055	-.0010195	.0854801
st_MO	-.0351947	.0215497	-1.63	0.109	-.0784575	.0080681
st_MS	-.0560345	.0214748	-2.61	0.012	-.0991469	-.0129221
st_MT	.2616575	.0230726	11.34	0.000	.2153372	.3079778
st_NC	-.005516	.0214801	-0.26	0.798	-.048639	.0376071
st_ND	0	(omitted)				
st_NE	.0036002	.0216064	0.17	0.868	-.0397764	.0469768
st_NH	.0671742	.0215031	3.12	0.003	.0240049	.1103435
st_NJ	.0588298	.0215418	2.73	0.009	.0155829	.1020767
st_NM	.0006682	.0215733	0.03	0.975	-.0426419	.0439783
st_NV	-.0523229	.0215528	-2.43	0.019	-.0955919	-.0090539
st_NY	0	(omitted)				
st_OH	.0424773	.0214602	1.98	0.053	-.0006059	.0855605
st_OK	.031821	.021486	1.48	0.145	-.011314	.074956
st_OR	.0106442	.0214993	0.50	0.623	-.0325176	.0538059
st_PA	-.029155	.0215039	-1.36	0.181	-.0723258	.0140159
st_PR	.0186372	.021872	0.85	0.398	-.0252727	.062547
st_RI	.0386709	.0215153	1.80	0.078	-.0045229	.0818647
st_SC	.0245075	.0215015	1.14	0.260	-.0186585	.0676736
st_SD	.0040608	.0216839	0.19	0.852	-.0394714	.047593
st_TN	.0128764	.0215434	0.60	0.553	-.0303739	.0561266
st_TX	-.0152768	.0214527	-0.71	0.480	-.0583448	.0277913
st_UT	-.1546393	.0216342	-7.15	0.000	-.1980717	-.1112069
st_VA	-.0111226	.0215173	-0.52	0.607	-.0543203	.0320752
st_VT	.0582632	.0215582	2.70	0.009	.0149834	.1015431
st_WA	-.0969744	.0215115	-4.51	0.000	-.1401605	-.0537883
st_WI	.0489715	.0214952	2.28	0.027	.0058181	.0921249
st_WV	-.1509743	.0218364	-6.91	0.000	-.1948128	-.1071358
st_WY	.005141	.0217594	0.24	0.814	-.0385428	.0488248
pial	.0000162	.0000153	1.06	0.294	-.0000145	.0000468
pia_miss	.0067222	.0113101	0.59	0.555	-.0159837	.0294282

ime1	-5.39e-06	3.56e-06	-1.52	0.136	-.0000125	1.75e-06
ime_miss	-.0107725	.0047825	-2.25	0.029	-.0203737	-.0011712
_cons	.7807177	.0265267	29.43	0.000	.7274631	.8339722

(1) motoimm = 0

F(1, 51) = 0.55
 Prob > F = 0.4636

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_nounemp.x

> ls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.5901
 Root MSE = .17902

(Std. Err. adjusted for 52 clusters in tsd_state)

srvroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0002049	.0006388	-0.32	0.750	-.0014873	.0010775
male	.0002206	.0021564	0.10	0.919	-.0041085	.0045497
gendermiss_flag	-.0114355	.0029577	-3.87	0.000	-.0173734	-.0054976
tsd_age	-.001089	.0002517	-4.33	0.000	-.0015944	-.0005836
doage2	-.0001755	.0002499	-0.70	0.486	-.0006771	.0003261
doage2miss_flag	-.0361744	.0245081	-1.48	0.146	-.0853764	.0130276
race_a	-.000404	.0060977	-0.07	0.947	-.0126456	.0118376
race_b	-.0043108	.0022469	-1.92	0.061	-.0088217	.0002001
race_h	-.0074698	.0046254	-1.61	0.112	-.0167556	.001816
race_i	-.0077708	.0055895	-1.39	0.170	-.0189922	.0034505
race_o	-.0087271	.0055282	-1.58	0.121	-.0198254	.0023711
race_mis	-.0135264	.0086429	-1.57	0.124	-.0308777	.0038249
tsd_edu_hs	.0025035	.0018843	1.33	0.190	-.0012793	.0062864
tsd_edu_mrhs	.0163655	.0029928	5.47	0.000	.0103572	.0223737
tsd_edu_mis	.0000712	.0036644	0.02	0.985	-.0072853	.0074278
tsd_mie_exp	-.0113556	.0096541	-1.18	0.245	-.0307371	.0080258
tsd_mie_mis	-.0069861	.0019886	-3.51	0.001	-.0109783	-.0029938
tsd_mie_psbl	-.0066329	.0037535	-1.77	0.083	-.0141683	.0009025
tsd_medicare	-.0014628	.0021621	-0.68	0.502	-.0058033	.0028778
tsd_medicare_miss	-.0137664	.0048714	-2.83	0.007	-.0235462	-.0039866
tsd_depend_1	-.0032409	.002579	-1.26	0.215	-.0084185	.0019368
tsd_depend_2	-.0035019	.0029329	-1.19	0.238	-.00939	.0023863
tsd_depend_miss	-.0030385	.0048253	-0.63	0.532	-.0127258	.0066487
tsd_vrpr	-.7845614	.0129141	-60.75	0.000	-.8104875	-.7586354
tsd_vrpr_miss	-.8590716	.0078041	-110.08	0.000	-.874739	-.8434042
pdcgrou2	-.0004799	.0034554	-0.14	0.890	-.0074169	.006457
pdcgrou3	.003278	.0026556	1.23	0.223	-.0020534	.0086094
pdcgrou4	.0075445	.0027737	2.72	0.009	.0019762	.0131129
pdcgrou5	.0289538	.0480826	0.60	0.550	-.067576	.1254836
cohort2000	-.0028009	.0032365	-0.87	0.391	-.0092984	.0036965
cohort2001	-.0046194	.0051685	-0.89	0.376	-.0149956	.0057568
cohort2002	-.0023172	.0104081	-0.22	0.825	-.0232124	.018578
cohort2003	-.0054998	.0114693	-0.48	0.634	-.0285253	.0175258
cohort2004	-.0357747	.0178848	-2.00	0.051	-.0716799	.0001304
award_b4_tsd	-.0080842	.005608	-1.44	0.156	-.0193427	.0031742

diaward_tsd	-.0005134	.0001868	-2.75	0.008	-.0008885	-.0001383
epeb4twp_flag	-.0963221	.0433546	-2.22	0.031	-.18336	-.0092841
ldwb4twp_flag	-.027424	.0369258	-0.74	0.461	-.1015556	.0467077
ldwb4epe_flag	.0187862	.0207872	0.90	0.370	-.0229458	.0605182
twpb4tsd	.007371	.003165	2.33	0.024	.0010171	.013725
epeb4tsd	-.0050134	.0048017	-1.04	0.301	-.0146532	.0046264
ldwb4tsd	.0078044	.0064652	1.21	0.233	-.0051752	.0207839
st_AL	-.0996347	.0154345	-6.46	0.000	-.1306207	-.0686487
st_AR	-.0480661	.015286	-3.14	0.003	-.0787541	-.0173782
st_AZ	.031124	.0153004	2.03	0.047	.0004071	.0618408
st_CA	.0226298	.0152545	1.48	0.144	-.0079948	.0532545
st_CO	.0285627	.0152675	1.87	0.067	-.0020881	.0592135
st_CT	.0132286	.0152497	0.87	0.390	-.0173864	.0438437
st_DC	.3069097	.0163181	18.81	0.000	.2741497	.3396697
st_DE	.0484747	.0152799	3.17	0.003	.0177991	.0791503
st_FL	.0383018	.0153139	2.50	0.016	.007558	.0690457
st_GA	.0060218	.0153364	0.39	0.696	-.0247673	.036811
st_HI	.0071627	.0159338	0.45	0.655	-.0248257	.039151
st_IA	.0438638	.015298	2.87	0.006	.0131518	.0745758
st_ID	.0077879	.0153646	0.51	0.614	-.0230577	.0386336
st_IL	.0463908	.0152582	3.04	0.004	.0157587	.0770229
st_IN	.080459	.0152379	5.28	0.000	.0498677	.1110504
st_KS	.0093288	.0152767	0.61	0.544	-.0213404	.039998
st_KY	.008745	.0153094	0.57	0.570	-.0219899	.0394799
st_LA	.0187516	.0153589	1.22	0.228	-.0120827	.049586
st_MA	.0246246	.0152804	1.61	0.113	-.0060521	.0553013
st_MD	-.0337057	.0153064	-2.20	0.032	-.0644346	-.0029767
st_ME	.0051037	.0153642	0.33	0.741	-.0257412	.0359485
st_MI	.0477841	.0152404	3.14	0.003	.0171878	.0783804
st_MN	.0434805	.0153553	2.83	0.007	.0126534	.0743076
st_MO	.0036504	.0153161	0.24	0.813	-.0270979	.0343987
st_MS	-.0552131	.0152359	-3.62	0.001	-.0858004	-.0246259
st_MT	.1638912	.0176905	9.26	0.000	.128376	.1994065
st_NC	-.0050549	.0152774	-0.33	0.742	-.0357255	.0256157
st_ND	0	(omitted)				
st_NE	.0115412	.0153436	0.75	0.455	-.0192623	.0423447
st_NH	.0700277	.0152822	4.58	0.000	.0393474	.100708
st_NJ	.0739315	.0154274	4.79	0.000	.0429597	.1049033
st_NM	.009485	.0154383	0.61	0.542	-.0215087	.0404787
st_NV	-.0194699	.015408	-1.26	0.212	-.0504027	.0114628
st_NY	0	(omitted)				
st_OH	.0449943	.0152905	2.94	0.005	.0142973	.0756912
st_OK	.0447024	.0152601	2.93	0.005	.0140665	.0753384
st_OR	.0241326	.0152641	1.58	0.120	-.0065114	.0547767
st_PA	-.0110996	.0152791	-0.73	0.471	-.0417737	.0195744
st_PR	.0189411	.0161325	1.17	0.246	-.0134461	.0513284
st_RI	.0284275	.0154552	1.84	0.072	-.0026002	.0594552
st_SC	.0372915	.0153116	2.44	0.018	.0065521	.0680308
st_SD	.0139665	.0154939	0.90	0.372	-.0171387	.0450717
st_TN	.0111926	.0153019	0.73	0.468	-.0195273	.0419125
st_TX	-.0160927	.0152059	-1.06	0.295	-.0466198	.0144344
st_UT	-.1719503	.0156062	-11.02	0.000	-.2032811	-.1406196
st_VA	-.0105023	.0153084	-0.69	0.496	-.0412353	.0202306
st_VT	.0926442	.0152977	6.06	0.000	.0619328	.1233556
st_WA	-.1030129	.015345	-6.71	0.000	-.1338192	-.0722066
st_WI	.0682977	.0152507	4.48	0.000	.0376807	.0989147
st_WV	-.1707804	.0155607	-10.98	0.000	-.2020198	-.1395411
st_WY	.0176091	.0157412	1.12	0.269	-.0139927	.049211
pial	6.77e-06	.0000123	0.55	0.585	-.0000179	.0000315
pia_miss	.0011568	.0088993	0.13	0.897	-.0167093	.019023
ime1	-3.92e-06	3.30e-06	-1.19	0.240	-.0000105	2.70e-06
ime_miss	-.0093654	.0059835	-1.57	0.124	-.0213777	.0026469
_cons	.8884273	.0190495	46.64	0.000	.8501839	.9266707

(1) motoimm = 0

F(1, 51) = 0.10
Prob > F = 0.7497

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
PM_PHINONY_nounemp.x

> ls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
F(45, 51) = .
Prob > F = .
R-squared = 0.4052
Root MSE = 1.1264

(Std. Err. adjusted for 52 clusters in tsd_state)

nstwl2	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0027877	.0074925	-0.37	0.711	-.0178296	.0122542
male	.0148672	.007791	1.91	0.062	-.0007739	.0305083
gendermiss_flag	-.0922465	.0193798	-4.76	0.000	-.131153	-.0533399
tsd_age	-.0056487	.001365	-4.14	0.000	-.0083891	-.0029083
doage2	.0001841	.0012508	0.15	0.884	-.002327	.0026952
doage2miss_flag	.0237194	.0280891	0.84	0.402	-.0326719	.0801107
race_a	.0162838	.0493332	0.33	0.743	-.0827567	.1153243
race_b	.0471932	.0254246	1.86	0.069	-.0038488	.0982351
race_h	.0256	.0132032	1.94	0.058	-.0009065	.0521065
race_i	-.0209985	.0437982	-0.48	0.634	-.108927	.06693
race_o	-.007533	.0546588	-0.14	0.891	-.1172651	.1021992
race_mis	.0522158	.0322721	1.62	0.112	-.0125732	.1170048
tsd_edu_hs	.016796	.011268	1.49	0.142	-.0058254	.0394175
tsd_edu_mrhs	.0595285	.0143038	4.16	0.000	.0308124	.0882446
tsd_edu_mis	.0297046	.018248	1.63	0.110	-.0069298	.0663389
tsd_mie_exp	-.0018944	.0272598	-0.07	0.945	-.0566206	.0528319
tsd_mie_mis	.0197565	.0172426	1.15	0.257	-.0148594	.0543725
tsd_mie_psbl	-.0184744	.0175501	-1.05	0.297	-.0537077	.0167589
tsd_medicare	-.0787781	.0113354	-6.95	0.000	-.1015348	-.0560214
tsd_medicare_miss	-.0241165	.0178502	-1.35	0.183	-.0599524	.0117193
tsd_depend_1	-.0295123	.0112391	-2.63	0.011	-.0520757	-.0069488
tsd_depend_2	-.0311041	.0153807	-2.02	0.048	-.061982	-.0002261
tsd_depend_miss	.0479866	.0292016	1.64	0.106	-.0106381	.1066114
tsd_vrpr	.076578	.0276782	2.77	0.008	.0210117	.1321443
tsd_vrpr_miss	.1162005	.0261806	4.44	0.000	.0636407	.1687602
pdcgrou2	-.0247813	.0137953	-1.80	0.078	-.0524764	.0029138
pdcgrou3	.0264651	.030573	0.87	0.391	-.0349127	.087843
pdcgrou4	.0443299	.0120216	3.69	0.001	.0201955	.0684644
pdcgrou5	-.0491989	.0381251	-1.29	0.203	-.1257383	.0273404
cohort2000	.057149	.0198744	2.88	0.006	.0172496	.0970484
cohort2001	.0422211	.0398652	1.06	0.295	-.0378116	.1222538
cohort2002	.0288627	.0533446	0.54	0.591	-.078231	.1359564
cohort2003	.1069862	.0714804	1.50	0.141	-.0365167	.250489
cohort2004	.2238091	.0713911	3.13	0.003	.0804855	.3671327
award_b4_tsd	-.0064753	.0182612	-0.35	0.724	-.0431361	.0301855
diaward_tsd	.0001478	.0018616	0.08	0.937	-.0035896	.0038852
epeb4twp_flag	-.2221555	1.167531	-0.19	0.850	-2.566072	2.121761
ldwb4twp_flag	1.347739	.870382	1.55	0.128	-.3996254	3.095104

ldwb4epe_flag	.7387817	.3232297	2.29	0.026	.0898709	1.387692
twpb4tsd	.9902532	.0382563	25.88	0.000	.9134505	1.067056
epeb4tsd	1.051342	.0966092	10.88	0.000	.8573905	1.245293
ldwb4tsd	5.661214	.1302388	43.47	0.000	5.399749	5.922679
st_AL	.7871619	.0434975	18.10	0.000	.699837	.8744867
st_AR	.1770956	.0446334	3.97	0.000	.0874902	.2667009
st_AZ	.1505463	.0430664	3.50	0.001	.0640869	.2370056
st_CA	.3154453	.042984	7.34	0.000	.2291513	.4017393
st_CO	.1504084	.0430744	3.49	0.001	.063933	.2368838
st_CT	.4384439	.0452081	9.70	0.000	.3476849	.5292029
st_DC	2.102795	.0467466	44.98	0.000	2.008948	2.196643
st_DE	.2182595	.0429805	5.08	0.000	.1319725	.3045465
st_FL	.1679322	.0428206	3.92	0.000	.0819664	.2538981
st_GA	.2747929	.0431837	6.36	0.000	.188098	.3614878
st_HI	.0660065	.0468776	1.41	0.165	-.0281042	.1601171
st_IA	.1575837	.0429879	3.67	0.001	.0712819	.2438855
st_ID	-.0787437	.047537	-1.66	0.104	-.1741782	.0166909
st_IL	.1727493	.0429395	4.02	0.000	.0865446	.258954
st_IN	-.0441182	.0442756	-1.00	0.324	-.1330052	.0447688
st_KS	.0841924	.04245	1.98	0.053	-.0010295	.1694143
st_KY	.0116156	.0433754	0.27	0.790	-.0754643	.0986954
st_LA	.7133406	.04515	15.80	0.000	.6226981	.8039831
st_MA	.1897126	.0432541	4.39	0.000	.1028763	.2765489
st_MD	1.709646	.0439311	38.92	0.000	1.621451	1.797841
st_ME	.0028273	.0454275	0.06	0.951	-.0883723	.0940269
st_MI	.6878022	.0433371	15.87	0.000	.6007994	.774805
st_MN	.405453	.0435128	9.32	0.000	.3180974	.4928086
st_MO	.2026654	.0439715	4.61	0.000	.1143889	.2909419
st_MS	.0424346	.0431153	0.98	0.330	-.044123	.1289921
st_MT	.1904112	.0571249	3.33	0.002	.0757281	.3050942
st_NC	-.0737154	.0431901	-1.71	0.094	-.1604231	.0129923
st_ND	0	(omitted)				
st_NE	-.2001802	.0494927	-4.04	0.000	-.2995409	-.1008195
st_NH	.6846645	.0438503	15.61	0.000	.5966314	.7726977
st_NJ	.1870237	.0433166	4.32	0.000	.1000619	.2739854
st_NM	.0104615	.0449156	0.23	0.817	-.0797103	.1006333
st_NV	.7073868	.0447955	15.79	0.000	.6174561	.7973174
st_NY	0	(omitted)				
st_OH	1.229383	.0428357	28.70	0.000	1.143387	1.315379
st_OK	.1540232	.0428429	3.60	0.001	.0680126	.2400339
st_OR	.1217273	.0428572	2.84	0.006	.0356879	.2077666
st_PA	.4122319	.0440447	9.36	0.000	.3238085	.5006553
st_PR	-.032048	.0447359	-0.72	0.477	-.1218591	.0577631
st_RI	1.33079	.0467506	28.47	0.000	1.236934	1.424646
st_SC	.1529682	.0430093	3.56	0.001	.0666234	.239313
st_SD	1.550703	.046878	33.08	0.000	1.456592	1.644815
st_TN	.5850483	.0429483	13.62	0.000	.498826	.6712705
st_TX	.490295	.0435442	11.26	0.000	.4028764	.5777137
st_UT	1.350179	.0443786	30.42	0.000	1.261085	1.439272
st_VA	.531606	.0446684	11.90	0.000	.4419305	.6212814
st_VT	.1018042	.0435521	2.34	0.023	.0143699	.1892386
st_WA	.4290661	.043016	9.97	0.000	.342708	.5154243
st_WI	.1665636	.0429183	3.88	0.000	.0804014	.2527258
st_WV	.200098	.0450706	4.44	0.000	.109615	.2905809
st_WY	.071545	.044584	1.60	0.115	-.0179611	.1610512
pial	-.0001874	.0001013	-1.85	0.070	-.0003908	.0000161
pia_miss	-.3239648	.0900305	-3.60	0.001	-.5047086	-.143221
imel	.0000922	.0000371	2.49	0.016	.0000178	.0001666
ime_miss	.1620238	.0654466	2.48	0.017	.0306342	.2934133
_cons	-.0591851	.0544948	-1.09	0.283	-.168588	.0502177

(1) motoimm = 0

F(1, 51) = 0.14
 Prob > F = 0.7114

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_nounemp.x

> ls
 dir : seeout
 note: st_ND omitted because of collinearity
 note: st_NY omitted because of collinearity

Linear regression

Number of obs =	43080
F(45, 51) =	.
Prob > F =	.
R-squared =	0.3285
Root MSE =	2.6196

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0050796	.0188859	-0.27	0.789	-.0429947	.0328354
male	.0314507	.0190582	1.65	0.105	-.0068103	.0697117
gendermiss_flag	-.2580775	.0420463	-6.14	0.000	-.3424889	-.173666
tsd_age	-.0219968	.0026672	-8.25	0.000	-.0273513	-.0166422
doage2	.0013289	.002917	0.46	0.651	-.0045272	.007185
doage2miss_flag	-.0019168	.1104617	-0.02	0.986	-.2236779	.2198443
race_a	.1812117	.1272736	1.42	0.161	-.0743007	.4367241
race_b	.1156618	.0562249	2.06	0.045	.0027856	.228538
race_h	.1239634	.029289	4.23	0.000	.0651632	.1827636
race_i	-.0844735	.0944804	-0.89	0.375	-.2741509	.1052039
race_o	-.0982137	.1192155	-0.82	0.414	-.3375487	.1411214
race_mis	.0864997	.0690727	1.25	0.216	-.0521695	.2251688
tsd_edu_hs	.0475311	.0259528	1.83	0.073	-.0045713	.0996335
tsd_edu_mrhs	.2162607	.0373581	5.79	0.000	.1412611	.2912603
tsd_edu_mis	.149534	.0493258	3.03	0.004	.0505082	.2485597
tsd_mie_exp	.0290398	.0641248	0.45	0.653	-.0996961	.1577757
tsd_mie_mis	.0282235	.0431333	0.65	0.516	-.0583703	.1148172
tsd_mie_psbl	-.0493278	.0365734	-1.35	0.183	-.1227521	.0240964
tsd_medicare	-.1959653	.0219912	-8.91	0.000	-.2401145	-.1518161
tsd_medicare_miss	-.1717176	.0510708	-3.36	0.001	-.2742465	-.0691887
tsd_depend_1	-.1139685	.0207781	-5.49	0.000	-.1556823	-.0722546
tsd_depend_2	-.1024464	.0354837	-2.89	0.006	-.1736829	-.0312099
tsd_depend_miss	.0859905	.0740383	1.16	0.251	-.0626475	.2346286
tsd_vrpr	.2715819	.0563846	4.82	0.000	.1583851	.3847787
tsd_vrpr_miss	.3251118	.0550878	5.90	0.000	.2145184	.4357053
pdcgrou2	-.0768256	.0327454	-2.35	0.023	-.1425648	-.0110864
pdcgrou3	.0691672	.0560926	1.23	0.223	-.0434434	.1817778
pdcgrou4	.1277264	.0319382	4.00	0.000	.0636077	.191845
pdcgrou5	.1245539	.2785948	0.45	0.657	-.4347484	.6838562
cohort2000	.0836279	.0608912	1.37	0.176	-.0386164	.2058721
cohort2001	.0305169	.1054707	0.29	0.773	-.1812244	.2422581
cohort2002	.0265596	.1269412	0.21	0.835	-.2282855	.2814047
cohort2003	.1431038	.1542707	0.93	0.358	-.1666075	.4528151
cohort2004	.4401699	.1938048	2.27	0.027	.0510906	.8292492
award_b4_tsd	.0131134	.0494243	0.27	0.792	-.08611	.1123368
diaward_tsd	-.0045912	.0037405	-1.23	0.225	-.0121005	.0029181
epeb4twp_flag	.3164951	1.893282	0.17	0.868	-3.484426	4.117417
ldwb4twp_flag	2.998823	.9758375	3.07	0.003	1.039747	4.957899
ldwb4epe_flag	2.993939	.6498731	4.61	0.000	1.689265	4.298614
twpb4tsd	3.01143	.1112771	27.06	0.000	2.788032	3.234828
epeb4tsd	1.813608	.1919611	9.45	0.000	1.42823	2.198986

ldwb4tsd	10.10239	.2077314	48.63	0.000	9.685356	10.51943
st_AL	.9752165	.0740357	13.17	0.000	.8265836	1.123849
st_AR	.8921114	.0754709	11.82	0.000	.7405973	1.043626
st_AZ	.4223808	.0736459	5.74	0.000	.2745305	.5702311
st_CA	.7736786	.0732725	10.56	0.000	.6265779	.9207793
st_CO	.3829765	.0732315	5.23	0.000	.2359582	.5299948
st_CT	1.241896	.0781681	15.89	0.000	1.084967	1.398825
st_DC	6.09598	.0845346	72.11	0.000	5.92627	6.26569
st_DE	.5218579	.073075	7.14	0.000	.3751536	.6685622
st_FL	.4113928	.0726862	5.66	0.000	.2654691	.5573166
st_GA	.5538191	.0741016	7.47	0.000	.405054	.7025842
st_HI	.0247655	.0875773	0.28	0.778	-.1510532	.2005841
st_IA	.3340284	.0732813	4.56	0.000	.1869101	.4811467
st_ID	-.3811941	.0840951	-4.53	0.000	-.5500222	-.2123661
st_IL	.4573218	.0731711	6.25	0.000	.3104246	.6042189
st_IN	-.177861	.0776041	-2.29	0.026	-.3336578	-.0220642
st_KS	.1620001	.0730701	2.22	0.031	.0153058	.3086945
st_KY	-.1042745	.0737255	-1.41	0.163	-.2522846	.0437357
st_LA	.1100027	.0861145	1.28	0.207	-.0628794	.2828848
st_MA	.5506019	.0744425	7.40	0.000	.4011524	.7000515
st_MD	3.105075	.0778803	39.87	0.000	2.948724	3.261427
st_ME	1.315524	.0791978	16.61	0.000	1.156528	1.47452
st_MI	1.301459	.07349	17.71	0.000	1.153922	1.448996
st_MN	.9226297	.0748213	12.33	0.000	.7724197	1.07284
st_MO	.2508905	.0776187	3.23	0.002	.0950644	.4067166
st_MS	-.0327665	.0740779	-0.44	0.660	-.1814842	.1159512
st_MT	.2967933	.0976001	3.04	0.004	.1008529	.4927336
st_NC	-.3619769	.0746759	-4.85	0.000	-.5118951	-.2120587
st_ND	0	(omitted)				
st_NE	-.4217066	.0859407	-4.91	0.000	-.5942398	-.2491735
st_NH	1.371284	.078842	17.39	0.000	1.213002	1.529566
st_NJ	.0484195	.0742283	0.65	0.517	-.1006	.197439
st_NM	-.0330893	.078391	-0.42	0.675	-.1904658	.1242872
st_NV	1.332991	.079138	16.84	0.000	1.174115	1.491867
st_NY	0	(omitted)				
st_OH	2.550967	.0724374	35.22	0.000	2.405543	2.696391
st_OK	.3846657	.0725955	5.30	0.000	.2389242	.5304073
st_OR	.2822514	.0731604	3.86	0.000	.1353757	.4291271
st_PA	1.098191	.0756829	14.51	0.000	.946251	1.250131
st_PR	-.1232836	.0784528	-1.57	0.122	-.2807842	.0342169
st_RI	3.92063	.080876	48.48	0.000	3.758265	4.082996
st_SC	.3656338	.0728834	5.02	0.000	.2193143	.5119534
st_SD	4.231286	.0827647	51.12	0.000	4.065129	4.397443
st_TN	.7635395	.0740976	10.30	0.000	.6147823	.9122967
st_TX	.8890302	.0757758	11.73	0.000	.7369039	1.041157
st_UT	2.568427	.0784281	32.75	0.000	2.410976	2.725878
st_VA	1.485834	.0769273	19.31	0.000	1.331396	1.640272
st_VT	.2915274	.0757269	3.85	0.000	.1394994	.4435555
st_WA	1.48076	.0732974	20.20	0.000	1.33361	1.627911
st_WI	.40748	.0730842	5.58	0.000	.2607574	.5542026
st_WV	.4407651	.0770647	5.72	0.000	.2860513	.5954789
st_WY	-.0067032	.0791875	-0.08	0.933	-.1656786	.1522723
pial	-.000408	.0001851	-2.20	0.032	-.0007796	-.0000365
pia_miss	-.8342077	.1663849	-5.01	0.000	-1.168239	-.5001762
ime1	.0002193	.0000699	3.14	0.003	.000079	.0003596
ime_miss	.3297423	.1273372	2.59	0.012	.0741023	.5853823
_cons	.2472756	.1355237	1.82	0.074	-.0247996	.5193508

(1) motoimm = 0

F(1, 51) = 0.07
 Prob > F = 0.7890

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_nounemp.x

> ls

dir : seeout

note: st_ND omitted because of collinearity

note: st_NY omitted because of collinearity

Linear regression

Number of obs = 43080
 F(45, 51) = .
 Prob > F = .
 R-squared = 0.2716
 Root MSE = 4.3864

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0042581	.0271006	-0.16	0.876	-.0586649	.0501487
male	.0657488	.0371457	1.77	0.083	-.0088243	.1403218
gendermiss_flag	-.4576852	.0695814	-6.58	0.000	-.5973757	-.3179947
tsd_age	-.045365	.0045147	-10.05	0.000	-.0544287	-.0363013
doage2	.0029753	.0052016	0.57	0.570	-.0074674	.013418
doage2miss_flag	-.1442057	.2449868	-0.59	0.559	-.6360373	.3476259
race_a	.3157242	.2051397	1.54	0.130	-.096111	.7275593
race_b	.2303263	.0761683	3.02	0.004	.077412	.3832406
race_h	.2740104	.0592652	4.62	0.000	.1550305	.3929903
race_i	-.1029879	.1540859	-0.67	0.507	-.4123282	.2063523
race_o	-.2415293	.1847431	-1.31	0.197	-.6124166	.129358
race_mis	.1231634	.1097548	1.12	0.267	-.0971786	.3435053
tsd_edu_hs	.1036951	.0313766	3.30	0.002	.0407041	.1666862
tsd_edu_mrhs	.4754739	.0615471	7.73	0.000	.3519128	.5990349
tsd_edu_mis	.3266758	.0772719	4.23	0.000	.171546	.4818055
tsd_mie_exp	.0215473	.1106647	0.19	0.846	-.2006213	.243716
tsd_mie_mis	-.0098617	.0700056	-0.14	0.889	-.1504037	.1306804
tsd_mie_psbl	-.1110823	.0579398	-1.92	0.061	-.2274013	.0052367
tsd_medicare	-.3033142	.0391412	-7.75	0.000	-.3818934	-.2247349
tsd_medicare_miss	-.4928234	.0922869	-5.34	0.000	-.6780971	-.3075498
tsd_depend_1	-.2147817	.0406298	-5.29	0.000	-.2963494	-.1332141
tsd_depend_2	-.1816062	.0524503	-3.46	0.001	-.2869046	-.0763079
tsd_depend_miss	.0786139	.1327258	0.59	0.556	-.1878442	.3450721
tsd_vrpr	.4796772	.092332	5.20	0.000	.294313	.6650413
tsd_vrpr_miss	.455327	.0926446	4.91	0.000	.2693352	.6413187
pdcgrou2	-.1667134	.0525911	-3.17	0.003	-.2722944	-.0611324
pdcgrou3	.1207464	.0727145	1.66	0.103	-.025234	.2667268
pdcgrou4	.2357326	.0525255	4.49	0.000	.1302834	.3411819
pdcgrou5	.0079863	.318242	0.03	0.980	-.6309113	.6468838
cohort2000	.060151	.0905489	0.66	0.509	-.1216335	.2419355
cohort2001	-.038787	.1458823	-0.27	0.791	-.3316581	.254084
cohort2002	-.0062535	.1940532	-0.03	0.974	-.3958316	.3833246
cohort2003	.4357369	.2756811	1.58	0.120	-.1177161	.9891899
cohort2004	.5999348	.310864	1.93	0.059	-.0241507	1.22402
award_b4_tsd	.0790133	.1002799	0.79	0.434	-.1223071	.2803337
diaward_tsd	-.0138046	.004766	-2.90	0.006	-.0233727	-.0042366
epeb4twp_flag	.8518169	3.22625	0.26	0.793	-5.62515	7.328784
ldwb4twp_flag	4.569615	1.640045	2.79	0.007	1.277087	7.862143
ldwb4epe_flag	6.445792	.920163	7.01	0.000	4.598487	8.293096
twpb4tsd	5.02672	.2120123	23.71	0.000	4.601087	5.452352
epeb4tsd	2.450532	.2842737	8.62	0.000	1.879829	3.021236
ldwb4tsd	13.74977	.2849004	48.26	0.000	13.17781	14.32173
st_AL	.8657395	.1542304	5.61	0.000	.5561091	1.17537
st_AR	1.618299	.15688	10.32	0.000	1.303349	1.933249

st_AZ	.7503913	.1550685	4.84	0.000	.4390784	1.061704
st_CA	1.242822	.1539299	8.07	0.000	.9337946	1.551849
st_CO	.666199	.154173	4.32	0.000	.3566837	.9757143
st_CT	2.363974	.1587316	14.89	0.000	2.045307	2.682641
st_DC	9.876701	.1640859	60.19	0.000	9.547285	10.20612
st_DE	.9042192	.1527412	5.92	0.000	.5975784	1.21086
st_FL	.7133218	.1527807	4.67	0.000	.4066018	1.020042
st_GA	.9124387	.1547484	5.90	0.000	.6017683	1.223109
st_HI	-.0878094	.1750322	-0.50	0.618	-.4392011	.2635823
st_IA	.5259916	.1539007	3.42	0.001	.217023	.8349602
st_ID	-.7506718	.1638272	-4.58	0.000	-1.079569	-.421775
st_IL	.7797231	.154137	5.06	0.000	.4702801	1.089166
st_IN	.4388839	.1615207	2.72	0.009	.1146176	.7631503
st_KS	.1519773	.1529041	0.99	0.325	-.1549906	.4589452
st_KY	-.2824434	.1553674	-1.82	0.075	-.5943565	.0294697
st_LA	.2014767	.1739565	1.16	0.252	-.1477554	.5507089
st_MA	.9749615	.1561068	6.25	0.000	.6615639	1.288359
st_MD	4.019846	.1612863	24.92	0.000	3.69605	4.343642
st_ME	2.960922	.1611935	18.37	0.000	2.637313	3.284532
st_MI	2.073479	.154532	13.42	0.000	1.763243	2.383715
st_MN	1.694239	.1564877	10.83	0.000	1.380077	2.008401
st_MO	.3163637	.1607218	1.97	0.054	-.0062988	.6390263
st_MS	.6296692	.1540864	4.09	0.000	.3203279	.9390106
st_MT	.1133977	.1910955	0.59	0.556	-.2702426	.497038
st_NC	-.5989665	.1565859	-3.83	0.000	-.9133259	-.2846072
st_ND	0	(omitted)				
st_NE	-.7596339	.1680096	-4.52	0.000	-1.096927	-.4223406
st_NH	2.460726	.1635642	15.04	0.000	2.132357	2.789095
st_NJ	.1880585	.1563653	1.20	0.235	-.125858	.501975
st_NM	-.2097795	.1612385	-1.30	0.199	-.5334793	.1139204
st_NV	1.981421	.1622281	12.21	0.000	1.655735	2.307107
st_NY	0	(omitted)				
st_OH	4.027875	.1525364	26.41	0.000	3.721646	4.334105
st_OK	.6257853	.15283	4.09	0.000	.3189663	.9326043
st_OR	.4473613	.153914	2.91	0.005	.1383661	.7563565
st_PA	1.707163	.1585482	10.77	0.000	1.388865	2.025462
st_PR	-.3738664	.162203	-2.30	0.025	-.6995026	-.0482303
st_RI	6.481617	.1622388	39.95	0.000	6.155909	6.807325
st_SC	.5560954	.1523154	3.65	0.001	.2503094	.8618814
st_SD	7.87039	.1705642	46.14	0.000	7.527968	8.212812
st_TN	1.345196	.1555042	8.65	0.000	1.033009	1.657384
st_TX	1.067698	.1569318	6.80	0.000	.7526444	1.382752
st_UT	3.628681	.1658704	21.88	0.000	3.295682	3.961679
st_VA	2.804461	.160059	17.52	0.000	2.483129	3.125793
st_VT	.620394	.1572554	3.95	0.000	.3046905	.9360974
st_WA	2.785513	.1535425	18.14	0.000	2.477264	3.093763
st_WI	.6272235	.1537649	4.08	0.000	.3185276	.9359195
st_WV	.5637233	.1605409	3.51	0.001	.2414239	.8860226
st_WY	-.2382677	.1608917	-1.48	0.145	-.5612713	.0847359
pial	-.0005345	.0002566	-2.08	0.042	-.0010496	-.0000195
pia_miss	-1.262318	.2221898	-5.68	0.000	-1.708383	-.8162533
ime1	.0003187	.0000945	3.37	0.001	.000129	.0005084
ime_miss	.3468738	.1846171	1.88	0.066	-.0237605	.7175082
_cons	.9796082	.2223213	4.41	0.000	.5332797	1.425937

(1) motoimm = 0

F(1, 51) = 0.02
 Prob > F = 0.8758

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_nounemp.x

```

> ls
dir : seeout
note: st_ND omitted because of collinearity
note: st_NY omitted because of collinearity

```

Linear regression

```

Number of obs = 43080
F( 45, 51) = .
Prob > F = .
R-squared = 0.2332
Root MSE = 6.3496

```

(Std. Err. adjusted for 52 clusters in tsd_state)

nstw48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0055387	.0342547	-0.16	0.872	-.074308	.0632305
male	.1206649	.0605444	1.99	0.052	-.0008831	.2422128
gendermiss_flag	-.7231668	.1098199	-6.59	0.000	-.9436395	-.5026941
tsd_age	-.0752357	.006615	-11.37	0.000	-.0885159	-.0619555
doage2	.0042925	.0070783	0.61	0.547	-.0099179	.0185028
doage2miss_flag	-.0584693	.1880221	-0.31	0.757	-.4359395	.3190009
race_a	.4785632	.2418677	1.98	0.053	-.0070065	.9641329
race_b	.369549	.0887969	4.16	0.000	.1912816	.5478163
race_h	.4195903	.1074119	3.91	0.000	.2039519	.6352288
race_i	-.0714235	.238175	-0.30	0.765	-.5495797	.4067327
race_o	-.4047141	.2256391	-1.79	0.079	-.8577034	.0482753
race_mis	.1178668	.1877048	0.63	0.533	-.2589664	.4947
tsd_edu_hs	.1853656	.0507786	3.65	0.001	.0834234	.2873079
tsd_edu_mrhs	.8151762	.0966793	8.43	0.000	.6210843	1.009268
tsd_edu_mis	.5307397	.1078899	4.92	0.000	.3141416	.7473378
tsd_mie_exp	.0497725	.167892	0.30	0.768	-.2872847	.3868296
tsd_mie_mis	-.0445011	.0987831	-0.45	0.654	-.2428164	.1538142
tsd_mie_psbl	-.1984838	.0776928	-2.55	0.014	-.3544586	-.0425091
tsd_medicare	-.4132755	.0603774	-6.84	0.000	-.5344882	-.2920628
tsd_medicare_miss	-.8737763	.133703	-6.54	0.000	-1.142196	-.6053564
tsd_depend_1	-.3425081	.0682374	-5.02	0.000	-.4795004	-.2055159
tsd_depend_2	-.2521859	.0690391	-3.65	0.001	-.3907877	-.1135842
tsd_depend_miss	.009148	.1640939	0.06	0.956	-.3202842	.3385802
tsd_vrpr	.6344104	.1471107	4.31	0.000	.3390734	.9297475
tsd_vrpr_miss	.4719823	.1492228	3.16	0.003	.1724049	.7715596
pdcgrou2	-.3251852	.0740891	-4.39	0.000	-.4739252	-.1764452
pdcgrou3	.2146724	.112375	1.91	0.062	-.0109298	.4402747
pdcgrou4	.3253812	.0863791	3.77	0.000	.151968	.4987944
pdcgrou5	-.213386	.3475299	-0.61	0.542	-.9110814	.4843095
cohort2000	.1006929	.1229153	0.82	0.416	-.1460698	.3474555
cohort2001	.0308732	.2111606	0.15	0.884	-.3930494	.4547959
cohort2002	.1056783	.304098	0.35	0.730	-.5048239	.7161805
cohort2003	1.18435	.4460409	2.66	0.011	.2888854	2.079815
cohort2004	.9502474	.4709655	2.02	0.049	.0047448	1.89575
award_b4_tsd	.1903408	.1779791	1.07	0.290	-.1669671	.5476488
diaward_tsd	-.01832	.0080595	-2.27	0.027	-.0345001	-.00214
epeb4twp_flag	.699969	4.333894	0.16	0.872	-8.000687	9.400625
ldwb4twp_flag	4.801738	2.076369	2.31	0.025	.6332528	8.970223
ldwb4epe_flag	10.21707	1.249577	8.18	0.000	7.708439	12.7257
twpb4tsd	6.988671	.2931653	23.84	0.000	6.400118	7.577225
epeb4tsd	2.959596	.3952081	7.49	0.000	2.166182	3.753009
ldwb4tsd	17.09364	.3925865	43.54	0.000	16.30549	17.88179
st_AL	.6410639	.3943766	1.63	0.110	-.1506801	1.432808
st_AR	2.35175	.3979903	5.91	0.000	1.552751	3.150749
st_AZ	1.004405	.395046	2.54	0.014	.2113169	1.797493
st_CA	1.855337	.393984	4.71	0.000	1.064381	2.646293
st_CO	.9056068	.3943134	2.30	0.026	.1139897	1.697224

st_CT	3.319026	.3974904	8.35	0.000	2.521031	4.117021
st_DC	13.43415	.4039031	33.26	0.000	12.62328	14.24502
st_DE	1.305514	.3927718	3.32	0.002	.5169918	2.094036
st_FL	.9739962	.3930586	2.48	0.017	.184898	1.763094
st_GA	1.267885	.3953432	3.21	0.002	.4742006	2.06157
st_HI	-.3618704	.4102558	-0.88	0.382	-1.185493	.4617526
st_IA	.6920333	.3937644	1.76	0.085	-.0984817	1.482548
st_ID	-.2295358	.400054	-0.57	0.569	-1.032678	.5736061
st_IL	1.065104	.3943194	2.70	0.009	.2734749	1.856733
st_IN	.9332553	.4016788	2.32	0.024	.1268514	1.739659
st_KS	-.0076307	.3934226	-0.02	0.985	-.7974596	.7821982
st_KY	.1447689	.3960519	0.37	0.716	-.6503383	.9398762
st_LA	.2156917	.4114289	0.52	0.602	-.6102863	1.04167
st_MA	1.353728	.3957227	3.42	0.001	.5592814	2.148174
st_MD	4.383442	.4001151	10.96	0.000	3.580178	5.186707
st_ME	3.096311	.4010624	7.72	0.000	2.291144	3.901477
st_MI	2.529812	.3946491	6.41	0.000	1.737521	3.322103
st_MN	2.05818	.3968454	5.19	0.000	1.26148	2.854881
st_MO	.5905483	.3993662	1.48	0.145	-.2112127	1.392309
st_MS	.8095363	.3949097	2.05	0.046	.016722	1.602351
st_MT	-.3583925	.4357609	-0.82	0.415	-1.233219	.5164341
st_NC	-.783967	.3961928	-1.98	0.053	-1.579357	.0114233
st_ND	0	(omitted)				
st_NE	-1.206834	.4017325	-3.00	0.004	-2.013345	-.400322
st_NH	2.736255	.4000802	6.84	0.000	1.933061	3.53945
st_NJ	.5230805	.3971317	1.32	0.194	-.2741947	1.320356
st_NM	-.5549695	.3986275	-1.39	0.170	-1.355248	.2453087
st_NV	2.631553	.4005416	6.57	0.000	1.827432	3.435674
st_NY	0	(omitted)				
st_OH	5.535948	.3933822	14.07	0.000	4.7462	6.325696
st_OK	.833322	.392968	2.12	0.039	.0444059	1.622238
st_OR	.5352209	.3939872	1.36	0.180	-.2557413	1.326183
st_PA	2.425314	.3980974	6.09	0.000	1.6261	3.224528
st_PR	-.8167886	.4025616	-2.03	0.048	-1.624965	-.0086125
st_RI	8.892715	.4018689	22.13	0.000	8.08593	9.699501
st_SC	.6618483	.3924562	1.69	0.098	-.1260404	1.449737
st_SD	10.84485	.4076593	26.60	0.000	10.02644	11.66326
st_TN	1.971315	.3949936	4.99	0.000	1.178332	2.764298
st_TX	1.281483	.3960288	3.24	0.002	.4864222	2.076544
st_UT	4.449865	.4083938	10.90	0.000	3.62998	5.269749
st_VA	4.047518	.3987413	10.15	0.000	3.247011	4.848024
st_VT	.8417605	.3966912	2.12	0.039	.0453697	1.638151
st_WA	4.357003	.3938026	11.06	0.000	3.566412	5.147595
st_WI	.8024589	.3936962	2.04	0.047	.0120809	1.592837
st_WV	.4982356	.4025874	1.24	0.222	-.3099923	1.306464
st_WY	-.6791187	.3999	-1.70	0.096	-1.481951	.123714
pial	-.0006304	.0002929	-2.15	0.036	-.0012185	-.0000423
pia_miss	-1.61592	.2771199	-5.83	0.000	-2.172261	-1.059579
ime1	.0004111	.0001028	4.00	0.000	.0002048	.0006174
ime_miss	.2287922	.219132	1.04	0.301	-.2111337	.668718
_cons	2.040422	.4662439	4.38	0.000	1.104398	2.976445

(1) motoimm = 0

F(1, 51) = 0.03
 Prob > F = 0.8722

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH1NONY_nounemp.x
 > ls
 dir : seeout

Linear regression

Number of obs = 77161
 F(44, 53) = .
 Prob > F = .
 R-squared = 0.1125
 Root MSE = .12511

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll112	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-2.99e-06	.0001367	-0.02	0.983	-.0002771	.0002711
male	.00333	.0009015	3.69	0.001	.0015218	.0051382
gendermiss_flag	-.0108527	.0040007	-2.71	0.009	-.0188772	-.0028282
tsd_age	-.0007085	.0001407	-5.03	0.000	-.0009908	-.0004263
doage2	3.03e-06	.0001157	0.03	0.979	-.0002291	.0002352
doage2miss_flag	-.0145967	.0035996	-4.06	0.000	-.0218166	-.0073768
race_a	-.0022983	.0039189	-0.59	0.560	-.0101586	.0055619
race_b	.0050795	.0013517	3.76	0.000	.0023684	.0077906
race_h	.0073284	.0027711	2.64	0.011	.0017702	.0128866
race_i	.0052056	.0069408	0.75	0.457	-.0087159	.019127
race_o	-.0001763	.0069224	-0.03	0.980	-.0140608	.0137082
race_mis	.0008036	.0028235	0.28	0.777	-.0048597	.0064669
tsd_edu_hs	.0036916	.0012114	3.05	0.004	.0012619	.0061212
tsd_edu_mrhs	.0091628	.0018893	4.85	0.000	.0053734	.0129522
tsd_edu_mis	.0056329	.0013271	4.24	0.000	.002971	.0082948
tsd_mie_exp	.0027099	.0032807	0.83	0.412	-.0038703	.0092901
tsd_mie_mis	.000781	.0015999	0.49	0.627	-.0024279	.00399
tsd_mie_psbl	.000548	.0013218	0.41	0.680	-.0021031	.0031991
tsd_medicare	-.0041949	.0017951	-2.34	0.023	-.0077955	-.0005944
tsd_medicare_miss	-.0078068	.0020001	-3.90	0.000	-.0118185	-.0037951
tsd_depend_1	-.0027586	.0012953	-2.13	0.038	-.0053567	-.0001605
tsd_depend_2	-.0021757	.0010995	-1.98	0.053	-.0043811	.0000296
tsd_depend_miss	.0015973	.002602	0.61	0.542	-.0036217	.0068164
tsd_vrpr	.0136193	.0025224	5.40	0.000	.0085601	.0186786
tsd_vrpr_miss	.0089118	.0019333	4.61	0.000	.0050341	.0127895
pdcgrou2	-.0023152	.0013066	-1.77	0.082	-.0049359	.0003054
pdcgrou3	.0027368	.0012072	2.27	0.027	.0003155	.0051581
pdcgrou4	.0032396	.0011556	2.80	0.007	.0009218	.0055574
pdcgrou5	-.0013021	.0107472	-0.12	0.904	-.0228583	.0202541
cohort2000	.0013366	.0016741	0.80	0.428	-.0020212	.0046943
cohort2001	.0078483	.0029582	2.65	0.011	.0019149	.0137817
cohort2002	.006126	.005023	1.22	0.228	-.0039489	.0162009
cohort2003	.0079614	.0077468	1.03	0.309	-.0075767	.0234996
cohort2004	.0048134	.0074208	0.65	0.519	-.0100707	.0196976
award_b4_tsd	.0009053	.0044992	0.20	0.841	-.0081189	.0099295
diaward_tsd	-.0000964	.0001363	-0.71	0.483	-.0003698	.0001771
epeb4twp_flag	-.001079	.1548323	-0.01	0.994	-.3116334	.3094754
ldwb4twp_flag	.2677325	.0789766	3.39	0.001	.1093254	.4261395
ldwb4epe_flag	.0921938	.0393696	2.34	0.023	.0132284	.1711591
twpb4tsd	.1586831	.0088437	17.94	0.000	.1409449	.1764213
epeb4tsd	.073219	.0051366	14.25	0.000	.0629163	.0835218
ldwb4tsd	-.1000655	.0092179	-10.86	0.000	-.1185543	-.0815767
st_AL	-.0041792	.0019433	-2.15	0.036	-.008077	-.0002814
st_AR	-.0110965	.0017394	-6.38	0.000	-.0145852	-.0076078
st_AZ	-.0201224	.0019831	-10.15	0.000	-.0241001	-.0161448
st_CA	-.0376679	.001966	-19.16	0.000	-.0416112	-.0337247
st_CO	-.0203739	.0020195	-10.09	0.000	-.0244245	-.0163234
st_CT	-.0114096	.0019084	-5.98	0.000	-.0152374	-.0075818
st_DC	-.003036	.0020057	-1.51	0.136	-.0070589	.000987
st_DE	-.0276712	.0019649	-14.08	0.000	-.0316122	-.0237302
st_FL	-.0120801	.0019243	-6.28	0.000	-.0159398	-.0082204
st_GA	-.007797	.0017869	-4.36	0.000	-.011381	-.004213

st_HI	-.0144493	.0019188	-7.53	0.000	-.018298	-.0106005
st_IA	-.016754	.0023021	-7.28	0.000	-.0213715	-.0121365
st_ID	-.0025694	.0019897	-1.29	0.202	-.0065603	.0014214
st_IL	-.0210351	.0019994	-10.52	0.000	-.0250455	-.0170248
st_IN	-.0104282	.0017752	-5.87	0.000	-.0139888	-.0068675
st_KS	-.0158305	.0018831	-8.41	0.000	-.0196075	-.0120536
st_KY	-.0112245	.0017156	-6.54	0.000	-.0146655	-.0077835
st_LA	-.0082552	.001775	-4.65	0.000	-.0118153	-.004695
st_MA	-.0143303	.0022659	-6.32	0.000	-.0188752	-.0097854
st_MD	.037074	.0019211	19.30	0.000	.0332208	.0409272
st_ME	-.0151644	.0018466	-8.21	0.000	-.0188681	-.0114607
st_MI	-.0073076	.0017628	-4.15	0.000	-.0108433	-.0037719
st_MN	.0008229	.0019686	0.42	0.678	-.0031255	.0047714
st_MO	-.0119013	.0017752	-6.70	0.000	-.0154619	-.0083406
st_MS	-.0054782	.0017617	-3.11	0.003	-.0090118	-.0019447
st_MT	-.015482	.0017534	-8.83	0.000	-.0189989	-.011965
st_NC	-.0344796	.0017126	-20.13	0.000	-.0379146	-.0310446
st_ND	-.0209556	.0018511	-11.32	0.000	-.0246683	-.0172428
st_NE	-.0352493	.0025775	-13.68	0.000	-.040419	-.0300795
st_NH	-.0132025	.0018331	-7.20	0.000	-.0168793	-.0095257
st_NJ	-.0060657	.0019009	-3.19	0.002	-.0098784	-.002253
st_NM	-.0035	.0020143	-1.74	0.088	-.0075401	.0005401
st_NV	-.0101868	.0017657	-5.77	0.000	-.0137282	-.0066453
st_NY	-.0131168	.0019508	-6.72	0.000	-.0170297	-.0092039
st_OH	.002771	.0019302	1.44	0.157	-.0011005	.0066425
st_OK	.0043371	.001702	2.55	0.014	.0009233	.0077508
st_OR	-.0140796	.0017903	-7.86	0.000	-.0176705	-.0104888
st_PA	-.0152725	.00211	-7.24	0.000	-.0195046	-.0110403
st_PR	-.0088724	.0029453	-3.01	0.004	-.0147799	-.0029648
st_RI	-.0997351	.0049808	-20.02	0.000	-.1097253	-.0897449
st_SC	-.0164491	.0020584	-7.99	0.000	-.0205777	-.0123205
st_SD	-.0167949	.0018108	-9.27	0.000	-.0204269	-.0131629
st_TN	-.0084088	.001779	-4.73	0.000	-.0119771	-.0048405
st_TX	-.0169257	.0019555	-8.66	0.000	-.0208479	-.0130035
st_UT	-.0282013	.0020728	-13.61	0.000	-.0323588	-.0240437
st_VA	-.0073403	.0017714	-4.14	0.000	-.0108932	-.0037873
st_VT	-.0388686	.0023731	-16.38	0.000	-.0436285	-.0341088
st_WA	.0004534	.001735	0.26	0.795	-.0030267	.0039335
st_WI	-.0212886	.0019933	-10.68	0.000	-.0252866	-.0172906
st_WV	-.0238055	.0017851	-13.34	0.000	-.0273859	-.0202251
st_WY	-.0146393	.0021842	-6.70	0.000	-.0190202	-.0102583
pial	-5.60e-06	4.95e-06	-1.13	0.263	-.0000155	4.33e-06
pia_miss	-.0177963	.0047412	-3.75	0.000	-.027306	-.0082867
ime1	3.31e-06	1.67e-06	1.98	0.053	-3.98e-08	6.65e-06
ime_miss	.0016017	.0025954	0.62	0.540	-.003604	.0068075
_cons	.0239034	.0084212	2.84	0.006	.0070126	.0407942

(1) motoimm = 0

F(1, 53) = 0.00
 Prob > F = 0.9826

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(44, 53) = .
 Prob > F = .
 R-squared = 0.1140
 Root MSE = .17177

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0002895	.0001912	-1.51	0.136	-.000673	.0000939
male	.0069538	.0013861	5.02	0.000	.0041735	.009734
gendermiss_flag	-.048615	.0070893	-6.86	0.000	-.0628344	-.0343956
tsd_age	-.001316	.0002092	-6.29	0.000	-.0017357	-.0008964
doage2	-.0000629	.0001788	-0.35	0.727	-.0004215	.0002958
doage2miss_flag	-.0188352	.006496	-2.90	0.005	-.0318645	-.0058059
race_a	-.0035678	.006445	-0.55	0.582	-.0164948	.0093592
race_b	.0099811	.0018457	5.41	0.000	.006279	.0136831
race_h	.0046384	.0027327	1.70	0.095	-.0008428	.0101195
race_i	.0162535	.0084904	1.91	0.061	-.000776	.033283
race_o	.0152382	.0105013	1.45	0.153	-.0058247	.0363012
race_mis	.0042498	.0036106	1.18	0.244	-.0029921	.0114917
tsd_edu_hs	.0041859	.001748	2.39	0.020	.0006799	.007692
tsd_edu_mrhs	.0158406	.0020735	7.64	0.000	.0116817	.0199995
tsd_edu_mis	.0085707	.0019741	4.34	0.000	.0046111	.0125303
tsd_mie_exp	.0031317	.0039757	0.79	0.434	-.0048425	.0111059
tsd_mie_mis	-.0029481	.0019971	-1.48	0.146	-.0069538	.0010576
tsd_mie_psbl	.0000489	.0015754	0.03	0.975	-.0031109	.0032086
tsd_medicare	-.0082215	.0025675	-3.20	0.002	-.0133712	-.0030718
tsd_medicare_miss	-.0196892	.0039574	-4.98	0.000	-.0276267	-.0117517
tsd_depend_1	-.0052796	.0019545	-2.70	0.009	-.0091999	-.0013594
tsd_depend_2	-.0022594	.0012472	-1.81	0.076	-.0047609	.0002421
tsd_depend_miss	-.0058273	.0037636	-1.55	0.127	-.013376	.0017214
tsd_vrpr	.0194116	.002841	6.83	0.000	.0137133	.02511
tsd_vrpr_miss	.0056916	.0027614	2.06	0.044	.0001529	.0112304
pdcgrou2	-.0044727	.0022536	-1.98	0.052	-.0089929	.0000476
pdcgrou3	.0052039	.0018536	2.81	0.007	.001486	.0089218
pdcgrou4	.0065303	.002009	3.25	0.002	.0025008	.0105599
pdcgrou5	-.0121287	.011158	-1.09	0.282	-.0345088	.0102515
cohort2000	-.0004232	.0024907	-0.17	0.866	-.005419	.0045725
cohort2001	.007551	.0043118	1.75	0.086	-.0010973	.0161994
cohort2002	.0047218	.0065438	0.72	0.474	-.0084035	.0178471
cohort2003	.0162423	.0097648	1.66	0.102	-.0033433	.035828
cohort2004	.0075078	.0115389	0.65	0.518	-.0156363	.0306519
award_b4_tsd	.010801	.0071824	1.50	0.139	-.0036052	.0252071
diaward_tsd	-.0003083	.000181	-1.70	0.094	-.0006714	.0000548
epeb4twp_flag	-.0883878	.1547654	-0.57	0.570	-.3988078	.2220323
ldwb4twp_flag	.4173378	.1065912	3.92	0.000	.203543	.6311327
ldwb4epe_flag	.2367781	.0531948	4.45	0.000	.1300829	.3434733
twpb4tsd	.2181962	.0107111	20.37	0.000	.1967124	.2396799
epeb4tsd	.0693024	.0062347	11.12	0.000	.0567972	.0818076
ldwb4tsd	-.1419794	.0091871	-15.45	0.000	-.1604064	-.1235525
st_AL	.0254703	.002659	9.58	0.000	.0201371	.0308036
st_AR	-.0062587	.0025043	-2.50	0.016	-.0112816	-.0012357
st_AZ	.0057024	.0026584	2.15	0.037	.0003702	.0110345
st_CA	-.0197495	.0025125	-7.86	0.000	-.024789	-.0147101
st_CO	-.027064	.0027503	-9.84	0.000	-.0325804	-.0215476
st_CT	-.0020512	.0024955	-0.82	0.415	-.0070566	.0029542
st_DC	.0275756	.0025664	10.74	0.000	.0224281	.0327232
st_DE	.0335951	.0025744	13.05	0.000	.0284315	.0387586
st_FL	.0072503	.0025657	2.83	0.007	.0021042	.0123964
st_GA	.0039789	.0024715	1.61	0.113	-.0009783	.0089361
st_HI	-.015954	.0027337	-5.84	0.000	-.0214371	-.010471
st_IA	-.0148969	.0029716	-5.01	0.000	-.0208572	-.0089365
st_ID	.1100669	.0026488	41.55	0.000	.1047541	.1153797
st_IL	-.013445	.0028453	-4.73	0.000	-.019152	-.007738
st_IN	-.0021905	.002494	-0.88	0.384	-.0071927	.0028118
st_KS	-.0040038	.0025475	-1.57	0.122	-.0091135	.0011059

st_KY	-.0059234	.0025315	-2.34	0.023	-.0110009	-.000846
st_LA	.0049119	.0024605	2.00	0.051	-.0000233	.009847
st_MA	.0092696	.0029146	3.18	0.002	.0034237	.0151155
st_MD	.0467528	.0026098	17.91	0.000	.0415183	.0519873
st_ME	-.0171131	.0028634	-5.98	0.000	-.0228563	-.0113699
st_MI	.0042321	.0024296	1.74	0.087	-.0006411	.0091053
st_MN	-.007776	.0024569	-3.16	0.003	-.0127039	-.002848
st_MO	-.0020108	.0025054	-0.80	0.426	-.007036	.0030144
st_MS	.003967	.0024012	1.65	0.104	-.0008492	.0087833
st_MT	-.0092697	.0024374	-3.80	0.000	-.0141584	-.0043809
st_NC	-.0324699	.0023016	-14.11	0.000	-.0370864	-.0278535
st_ND	-.0130799	.0024905	-5.25	0.000	-.0180753	-.0080845
st_NE	-.0484212	.0031298	-15.47	0.000	-.0546988	-.0421435
st_NH	.0059287	.0025438	2.33	0.024	.0008264	.011031
st_NJ	.0085293	.0025133	3.39	0.001	.0034883	.0135703
st_NM	.0070949	.0023474	3.02	0.004	.0023866	.0118033
st_NV	.0042886	.0023942	1.79	0.079	-.0005136	.0090908
st_NY	-.0014755	.0026259	-0.56	0.577	-.0067425	.0037914
st_OH	-.0076925	.0026342	-2.92	0.005	-.0129761	-.0024089
st_OK	.0019373	.0024802	0.78	0.438	-.0030373	.0069119
st_OR	.0106029	.0024712	4.29	0.000	.0056464	.0155595
st_PA	-.0207164	.0029237	-7.09	0.000	-.0265807	-.0148521
st_PR	-.0015878	.0028742	-0.55	0.583	-.0073528	.0041772
st_RI	-.1312403	.0057913	-22.66	0.000	-.1428562	-.1196245
st_SC	-.0123188	.0027643	-4.46	0.000	-.0178633	-.0067742
st_SD	-.0067859	.0023646	-2.87	0.006	-.0115287	-.0020431
st_TN	-.0008242	.002517	-0.33	0.745	-.0058726	.0042242
st_TX	-.0182574	.0025092	-7.28	0.000	-.0232903	-.0132245
st_UT	-.0305733	.0030035	-10.18	0.000	-.0365977	-.024549
st_VA	.0042608	.0024728	1.72	0.091	-.0006991	.0092206
st_VT	-.0140145	.0030876	-4.54	0.000	-.0202075	-.0078215
st_WA	-.0096027	.0022928	-4.19	0.000	-.0142015	-.0050039
st_WI	-.020147	.0028001	-7.20	0.000	-.0257632	-.0145307
st_WV	.0262241	.0025346	10.35	0.000	.0211404	.0313077
st_WY	-.0183556	.0034431	-5.33	0.000	-.0252616	-.0114496
pial	-.0000121	8.86e-06	-1.36	0.178	-.0000299	5.68e-06
pia_miss	-.0249848	.0064856	-3.85	0.000	-.0379933	-.0119764
ime1	6.65e-06	2.47e-06	2.70	0.009	1.70e-06	.0000116
ime_miss	-.0029464	.0030389	-0.97	0.337	-.0090418	.0031489
_cons	.057853	.010254	5.64	0.000	.037286	.07842

(1) motoimm = 0

F(1, 53) = 2.29
 Prob > F = 0.1359

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(44, 53) = .
 Prob > F = .
 R-squared = 0.1084
 Root MSE = .20443

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0002238	.0001709	-1.31	0.196	-.0005667 .000119

male	.0089804	.0014756	6.09	0.000	.0060207	.0119402
gendermiss_flag	-.0890911	.0098732	-9.02	0.000	-.1088941	-.069288
tsd_age	-.0018687	.0002323	-8.04	0.000	-.0023347	-.0014027
doage2	-.0002061	.000189	-1.09	0.281	-.0005852	.0001731
doage2miss_flag	-.0421926	.0078781	-5.36	0.000	-.0579942	-.0263911
race_a	-.0049963	.0098416	-0.51	0.614	-.024736	.0147434
race_b	.0154131	.0021085	7.31	0.000	.0111839	.0196422
race_h	.0080104	.0032779	2.44	0.018	.0014357	.0145851
race_i	.0180263	.0112707	1.60	0.116	-.0045798	.0406325
race_o	.0074121	.0107797	0.69	0.495	-.0142093	.0290334
race_mis	.0020678	.0040327	0.51	0.610	-.0060208	.0101564
tsd_edu_hs	.0043289	.0020274	2.14	0.037	.0002624	.0083953
tsd_edu_mrhs	.0230021	.0024242	9.49	0.000	.0181398	.0278644
tsd_edu_mis	.0127854	.001908	6.70	0.000	.0089584	.0166123
tsd_mie_exp	.002534	.0044197	0.57	0.569	-.0063309	.0113989
tsd_mie_mis	-.0050175	.0019929	-2.52	0.015	-.0090148	-.0010201
tsd_mie_psbl	-.0011403	.001694	-0.67	0.504	-.0045381	.0022575
tsd_medicare	-.0094194	.0030398	-3.10	0.003	-.0155164	-.0033225
tsd_medicare_mis	-.030281	.0051181	-5.92	0.000	-.0405466	-.0200153
tsd_depend_1	-.0087289	.0020491	-4.26	0.000	-.0128388	-.004619
tsd_depend_2	-.0027677	.001604	-1.73	0.090	-.0059849	.0004494
tsd_depend_mis	-.0160191	.0051595	-3.10	0.003	-.0263677	-.0056705
tsd_vrpr	.011213	.0047611	2.36	0.022	.0016634	.0207626
tsd_vrpr_mis	-.0092384	.0033449	-2.76	0.008	-.0159475	-.0025293
pdcgrou2	-.0081559	.0028659	-2.85	0.006	-.0139041	-.0024077
pdcgrou3	.0044115	.0021544	2.05	0.046	.0000903	.0087327
pdcgrou4	.0052698	.0025107	2.10	0.041	.0002341	.0103056
pdcgrou5	-.001293	.0211754	-0.06	0.952	-.0437655	.0411795
cohort2000	-.0003483	.0020157	-0.17	0.863	-.0043913	.0036947
cohort2001	.0081744	.0044228	1.85	0.070	-.0006967	.0170454
cohort2002	.0043575	.0064557	0.67	0.503	-.0085911	.017306
cohort2003	.0345818	.0120606	2.87	0.006	.0103914	.0587722
cohort2004	.028672	.0148351	1.93	0.059	-.0010834	.0584275
award_b4_tsd	.0140795	.0090712	1.55	0.127	-.0041149	.032274
diaward_tsd	-.0005044	.0002024	-2.49	0.016	-.0009104	-.0000983
epeb4twp_flag	.1240834	.1801777	0.69	0.494	-.2373073	.4854741
ldwb4twp_flag	.426819	.1056023	4.04	0.000	.2150075	.6386305
ldwb4epe_flag	.3656471	.0498659	7.33	0.000	.2656288	.4865653
twpb4tsd	.2456506	.0107909	22.76	0.000	.2240067	.2672944
epeb4tsd	.0542906	.0065053	8.35	0.000	.0412425	.0673386
ldwb4tsd	-.1637151	.0091626	-17.87	0.000	-.1820929	-.1453372
st_AL	.0369983	.0046409	7.97	0.000	.0276898	.0463068
st_AR	-.0154343	.0045952	-3.36	0.001	-.0246511	-.0062175
st_AZ	.0021604	.0047145	0.46	0.649	-.0072957	.0116165
st_CA	-.0178202	.0045693	-3.90	0.000	-.026985	-.0086554
st_CO	-.029627	.0048218	-6.14	0.000	-.0392983	-.0199556
st_CT	-.0093798	.0045509	-2.06	0.044	-.0185079	-.0002518
st_DC	.0108613	.0046227	2.35	0.023	.0015893	.0201333
st_DE	.0106761	.0046213	2.31	0.025	.0014068	.0199453
st_FL	.0028793	.0046428	0.62	0.538	-.006433	.0121916
st_GA	-.0010784	.0045107	-0.24	0.812	-.0101257	.0079689
st_HI	-.0356257	.0048804	-7.30	0.000	-.0454145	-.025837
st_IA	-.0383671	.0050336	-7.62	0.000	-.0484632	-.0282709
st_ID	.0927983	.0047973	19.34	0.000	.0831761	.1024204
st_IL	-.0221386	.0047869	-4.62	0.000	-.0317399	-.0125373
st_IN	-.0107302	.0045537	-2.36	0.022	-.0198639	-.0015966
st_KS	-.0059893	.0046189	-1.30	0.200	-.0152537	.003275
st_KY	-.0175555	.0045878	-3.83	0.000	-.0267575	-.0083534
st_LA	-.0029576	.0045508	-0.65	0.519	-.0120853	.0061702
st_MA	.0203242	.0049964	4.07	0.000	.0103026	.0303458
st_MD	.055812	.0046564	11.99	0.000	.0464723	.0651516
st_ME	-.0382148	.0048378	-7.90	0.000	-.0479182	-.0285113
st_MI	-.0051711	.0044879	-1.15	0.254	-.0141727	.0038304

st_MN	-.0329012	.0046193	-7.12	0.000	-.0421664	-.023636
st_MO	-.0141468	.004573	-3.09	0.003	-.023319	-.0049745
st_MS	-.005053	.0044492	-1.14	0.261	-.013977	.0038711
st_MT	-.0083215	.0045272	-1.84	0.072	-.017402	.000759
st_NC	-.0189186	.0044242	-4.28	0.000	-.0277924	-.0100449
st_ND	-.0236926	.0045516	-5.21	0.000	-.032822	-.0145633
st_NE	-.0774064	.0049453	-15.65	0.000	-.0873255	-.0674874
st_NH	.0035016	.0045683	0.77	0.447	-.0056613	.0126645
st_NJ	.0017559	.0045987	0.38	0.704	-.0074679	.0109797
st_NM	-.0026005	.0045275	-0.57	0.568	-.0116815	.0064805
st_NV	-.0026814	.0044789	-0.60	0.552	-.011665	.0063022
st_NY	-.0083443	.0046898	-1.78	0.081	-.0177509	.0010623
st_OH	.0047859	.0047757	1.00	0.321	-.004793	.0143648
st_OK	.0527997	.0044978	11.74	0.000	.0437783	.061821
st_OR	.0085275	.0045867	1.86	0.069	-.0006723	.0177274
st_PA	-.0415606	.0048683	-8.54	0.000	-.0513252	-.0317959
st_PR	-.0217079	.0051386	-4.22	0.000	-.0320147	-.0114011
st_RI	-.1685436	.0087073	-19.36	0.000	-.1860083	-.151079
st_SC	-.0301053	.0047488	-6.34	0.000	-.0396302	-.0205805
st_SD	-.0213595	.0044736	-4.77	0.000	-.0303325	-.0123865
st_TN	-.0109158	.0046098	-2.37	0.022	-.020162	-.0016697
st_TX	-.0086045	.004663	-1.85	0.071	-.0179574	.0007483
st_UT	-.0475221	.0049547	-9.59	0.000	-.05746	-.0375843
st_VA	-.0028692	.0045585	-0.63	0.532	-.0120123	.006274
st_VT	-.0376663	.0051686	-7.29	0.000	-.0480331	-.0272994
st_WA	-.0074501	.0043486	-1.71	0.093	-.0161722	.001272
st_WI	-.0301223	.0048292	-6.24	0.000	-.0398084	-.0204361
st_WV	.0583299	.0049267	11.84	0.000	.0484482	.0682116
st_WY	.2892393	.0052592	55.00	0.000	.2786906	.299788
pial	-8.63e-06	.0000112	-0.77	0.445	-.0000311	.0000138
pia_miss	-.0236313	.0090067	-2.62	0.011	-.0416964	-.0055662
ime1	6.61e-06	3.07e-06	2.15	0.036	4.43e-07	.0000128
ime_miss	-.0109549	.0032396	-3.38	0.001	-.0174527	-.004457
_cons	.1180829	.0157533	7.50	0.000	.0864859	.14968

(1) motoimm = 0

F(1, 53) = 1.71
 Prob > F = 0.1960

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs =	77161
F(44, 53) =	.
Prob > F =	.
R-squared =	0.1047
Root MSE =	.22857

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0004412	.000243	-1.82	0.075	-.0009285	.0000461
male	.0107703	.0019603	5.49	0.000	.0068385	.0147022
gendermiss_flag	-.1272028	.0110716	-11.49	0.000	-.1494096	-.1049961
tsd_age	-.0025307	.0002922	-8.66	0.000	-.0031167	-.0019447
doage2	-.000143	.0001898	-0.75	0.455	-.0005236	.0002377
doage2miss_flag	-.0706335	.0098938	-7.14	0.000	-.0904778	-.0507891
race_a	-.0018294	.0098505	-0.19	0.853	-.021587	.0179283

race_b	.0215572	.0025182	8.56	0.000	.0165063	.0266082
race_h	.01093	.0042803	2.55	0.014	.0023449	.0195151
race_i	.0188556	.0125016	1.51	0.137	-.0062194	.0439306
race_o	.0018945	.0127986	0.15	0.883	-.0237763	.0275653
race_mis	.0036301	.0054587	0.67	0.509	-.0073187	.0145789
tsd_edu_hs	.0050573	.0024966	2.03	0.048	.0000497	.0100649
tsd_edu_mrhs	.029114	.0026029	11.19	0.000	.0238932	.0343348
tsd_edu_mis	.0141255	.0020891	6.76	0.000	.0099353	.0183158
tsd_mie_exp	.0028675	.005337	0.54	0.593	-.0078372	.0135722
tsd_mie_mis	-.0064693	.0023541	-2.75	0.008	-.011191	-.0017476
tsd_mie_psbl	-.0029034	.0019554	-1.48	0.144	-.0068254	.0010186
tsd_medicare	-.0105914	.0029122	-3.64	0.001	-.0164326	-.0047502
tsd_medicare_miss	-.0398105	.005888	-6.76	0.000	-.0516203	-.0280006
tsd_depend_1	-.0084066	.0021842	-3.85	0.000	-.0127875	-.0040257
tsd_depend_2	-.0008547	.0014439	-0.59	0.556	-.0037509	.0020414
tsd_depend_miss	-.028245	.0065828	-4.29	0.000	-.0414484	-.0150416
tsd_vrpr	-.0052472	.0044499	-1.18	0.244	-.0141725	.0036781
tsd_vrpr_miss	-.0326827	.0037293	-8.76	0.000	-.0401628	-.0252026
pdcgrou2	-.0129152	.0034707	-3.72	0.000	-.0198766	-.0059538
pdcgrou3	.0034773	.002634	1.32	0.192	-.0018057	.0087604
pdcgrou4	.0042687	.0030265	1.41	0.164	-.0018018	.0103392
pdcgrou5	-.0131284	.0208998	-0.63	0.533	-.0550482	.0287914
cohort2000	-.0031794	.0021338	-1.49	0.142	-.0074593	.0011005
cohort2001	.0020726	.00485	0.43	0.671	-.0076551	.0118004
cohort2002	-.0042606	.0071237	-0.60	0.552	-.0185491	.0100278
cohort2003	.0369023	.014709	2.51	0.015	.0073999	.0664048
cohort2004	.0361179	.0180303	2.00	0.050	-.0000463	.0722821
award_b4_tsd	.0132291	.0112133	1.18	0.243	-.0092619	.0357201
diaward_tsd	-.0007747	.0002399	-3.23	0.002	-.0012559	-.0002936
epeb4twp_flag	.0892294	.1774474	0.50	0.617	-.2666851	.4451438
ldwb4twp_flag	.4914281	.1046579	4.70	0.000	.2815109	.7013454
ldwb4epe_flag	.4982819	.0481042	10.36	0.000	.401797	.5947667
twpb4tsd	.2570369	.0107082	24.00	0.000	.2355589	.2785148
epeb4tsd	.0424196	.0059793	7.09	0.000	.0304266	.0544125
ldwb4tsd	-.1806101	.0087531	-20.63	0.000	-.1981666	-.1630536
st_AL	.0269455	.006877	3.92	0.000	.0131521	.040739
st_AR	-.0279308	.0067851	-4.12	0.000	-.04154	-.0143216
st_AZ	-.0046705	.0068775	-0.68	0.500	-.018465	.009124
st_CA	-.0271598	.0067419	-4.03	0.000	-.0406823	-.0136374
st_CO	-.0447817	.0069344	-6.46	0.000	-.0586904	-.030873
st_CT	-.0246229	.006759	-3.64	0.001	-.0381796	-.0110661
st_DC	.0056225	.006872	0.82	0.417	-.008161	.0194059
st_DE	.00176	.0067509	0.26	0.795	-.0117807	.0153007
st_FL	.0041551	.00679	0.61	0.543	-.009464	.0177742
st_GA	-.013386	.006683	-2.00	0.050	-.0267904	.0000184
st_HI	-.0596607	.0069486	-8.59	0.000	-.0735979	-.0457235
st_IA	-.0266834	.0071177	-3.75	0.000	-.0409598	-.012407
st_ID	.182184	.0068387	26.64	0.000	.1684672	.1959008
st_IL	-.0458835	.0069107	-6.64	0.000	-.0597446	-.0320225
st_IN	-.0262315	.0067437	-3.89	0.000	-.0397577	-.0127054
st_KS	-.0152369	.0067829	-2.25	0.029	-.0288416	-.0016322
st_KY	-.0318053	.0067607	-4.70	0.000	-.0453654	-.0182451
st_LA	-.0138169	.0067399	-2.05	0.045	-.0273354	-.0002984
st_MA	.0095537	.0070345	1.36	0.180	-.0045558	.0236632
st_MD	.0619979	.0069045	8.98	0.000	.0481492	.0758466
st_ME	-.0615109	.0069508	-8.85	0.000	-.0754525	-.0475693
st_MI	-.017824	.0066729	-2.67	0.010	-.0312082	-.0044398
st_MN	-.0262828	.0068728	-3.82	0.000	-.0400679	-.0124976
st_MO	-.0269621	.0067717	-3.98	0.000	-.0405444	-.0133798
st_MS	-.0182054	.0066701	-2.73	0.009	-.0315839	-.0048268
st_MT	-.0309781	.0066763	-4.64	0.000	-.044369	-.0175872
st_NC	.00705	.0066576	1.06	0.294	-.0063034	.0204034
st_ND	-.0314084	.0067089	-4.68	0.000	-.0448647	-.0179521

st_NE	-.1103945	.0071847	-15.37	0.000	-.1248052	-.0959838
st_NH	.0012704	.0067325	0.19	0.851	-.0122333	.0147741
st_NJ	-.0110913	.0067995	-1.63	0.109	-.0247293	.0025468
st_NM	-.012257	.0068683	-1.78	0.080	-.0260331	.001519
st_NV	-.0128975	.006688	-1.93	0.059	-.0263118	.0005169
st_NY	-.0123237	.0068231	-1.81	0.077	-.0260091	.0013617
st_OH	-.010764	.0067998	-1.58	0.119	-.0244027	.0028747
st_OK	.0296283	.0066507	4.45	0.000	.0162888	.0429679
st_OR	-.0065796	.0066216	-0.99	0.325	-.0198608	.0067015
st_PA	-.055047	.0070356	-7.82	0.000	-.0691586	-.0409355
st_PR	-.0420921	.0072848	-5.78	0.000	-.0567035	-.0274808
st_RI	-.1984117	.0102304	-19.39	0.000	-.2189312	-.1778922
st_SC	-.0524477	.0069338	-7.56	0.000	-.0663551	-.0385403
st_SD	-.0384162	.0066064	-5.82	0.000	-.0516669	-.0251655
st_TN	-.0267625	.0067811	-3.95	0.000	-.0403636	-.0131613
st_TX	-.0098712	.0068983	-1.43	0.158	-.0237074	.003965
st_UT	-.067385	.0070965	-9.50	0.000	-.0816188	-.0531512
st_VA	-.0164014	.0067435	-2.43	0.018	-.0299271	-.0028758
st_VT	-.0639871	.0073075	-8.76	0.000	-.078644	-.0493301
st_WA	-.0075681	.0065679	-1.15	0.254	-.0207415	.0056054
st_WI	-.0431286	.0069494	-6.21	0.000	-.0570674	-.0291898
st_WV	.0318415	.0069072	4.61	0.000	.0179875	.0456955
st_WY	.255422	.0075511	33.83	0.000	.2402764	.2705676
pial	-6.18e-06	.0000118	-0.52	0.604	-.0000299	.0000176
pia_miss	-.0138964	.0075698	-1.84	0.072	-.0290795	.0012866
ime1	4.72e-06	3.15e-06	1.50	0.140	-1.60e-06	.000011
ime_miss	-.0209956	.003489	-6.02	0.000	-.0279937	-.0139975
_cons	.1983574	.0162737	12.19	0.000	.1657165	.2309983

(1) motoimm = 0

F(1, 53) = 3.30
 Prob > F = 0.0751

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L

PM_PH2_nounemp.xls

dir : seeout

Linear regression

Number of obs = 77161
 F(44, 53) = .
 Prob > F = .
 R-squared = 0.1171
 Root MSE = .14037

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0000544	.0001289	0.42	0.675	-.0002042	.000313
male	.0025773	.0012483	2.06	0.044	.0000735	.0050811
gendermiss_flag	-.0231004	.0055118	-4.19	0.000	-.0341557	-.0120451
tsd_age	-.0006337	.0001266	-5.01	0.000	-.0008876	-.0003797
doage2	-.000095	.0001091	-0.87	0.388	-.0003138	.0001238
doage2miss_flag	-.0115841	.0028775	-4.03	0.000	-.0173557	-.0058124
race_a	-.0002474	.00539	-0.05	0.964	-.0110584	.0105635
race_b	.0041057	.0014376	2.86	0.006	.0012221	.0069892
race_h	-.0044544	.0036453	-1.22	0.227	-.0117659	.0028571
race_i	-.0016529	.0048601	-0.34	0.735	-.011401	.0080953
race_o	-.0095415	.0057938	-1.65	0.106	-.0211624	.0020795
race_mis	.0008519	.0039654	0.21	0.831	-.0071018	.0088056
tsd_edu_hs	.0022228	.0017753	1.25	0.216	-.001338	.0057837

tsd_edu_mrhs	.005948	.0019144	3.11	0.003	.0021082	.0097878
tsd_edu_mis	.0083573	.0020125	4.15	0.000	.0043207	.0123939
tsd_mie_exp	-.0068268	.0029384	-2.32	0.024	-.0127205	-.0009331
tsd_mie_mis	-.0084711	.0014241	-5.95	0.000	-.0113274	-.0056147
tsd_mie_psbl	-.0073919	.0014068	-5.25	0.000	-.0102136	-.0045703
tsd_medicare	-.0060351	.0014358	-4.20	0.000	-.008915	-.0031552
tsd_medicare_miss	-.0119576	.0045458	-2.63	0.011	-.0210753	-.0028399
tsd_depend_1	-.0041022	.0014545	-2.82	0.007	-.0070196	-.0011847
tsd_depend_2	-.0018926	.0013826	-1.37	0.177	-.0046657	.0008805
tsd_depend_miss	-.0116379	.0036579	-3.18	0.002	-.0189748	-.004301
tsd_vrpr	.017577	.0025453	6.91	0.000	.0124718	.0226821
tsd_vrpr_miss	.0053946	.003362	1.60	0.115	-.0013487	.0121379
pdcgrou2	.0025604	.0013265	1.93	0.059	-.0001002	.0052209
pdcgrou3	.0025341	.0017372	1.46	0.151	-.0009503	.0060186
pdcgrou4	.0029947	.0013285	2.25	0.028	.00033	.0056593
pdcgrou5	-.0026631	.0085872	-0.31	0.758	-.0198868	.0145606
cohort2000	-.0016423	.0013337	-1.23	0.224	-.0043173	.0010328
cohort2001	.0002438	.0024852	0.10	0.922	-.0047409	.0052286
cohort2002	.0042687	.0038032	1.12	0.267	-.0033597	.011897
cohort2003	.0165311	.0068007	2.43	0.018	.0028906	.0301716
cohort2004	-.0097706	.0049785	-1.96	0.055	-.0197561	.000215
award_b4_tsd	.0003762	.0036467	0.10	0.918	-.0069383	.0076906
diaward_tsd	-.0003099	.0000913	-3.39	0.001	-.0004931	-.0001267
epeb4twp_flag	-.0162884	.028727	-0.57	0.573	-.0739074	.0413306
ldwb4twp_flag	.0346329	.0150013	2.31	0.025	.004544	.0647217
ldwb4epe_flag	.0962366	.0318095	3.03	0.004	.0324348	.1600385
twpb4tsd	.2086522	.0081511	25.60	0.000	.1923031	.2250012
epeb4tsd	-.0744734	.0084243	-8.84	0.000	-.0913704	-.0575764
ldwb4tsd	-.0490725	.0045517	-10.78	0.000	-.058202	-.0399431
st_AL	-.0160084	.0018055	-8.87	0.000	-.0196297	-.012387
st_AR	-.0087362	.001777	-4.92	0.000	-.0123004	-.0051721
st_AZ	-.0061985	.0019493	-3.18	0.002	-.0101083	-.0022886
st_CA	-.0272485	.001778	-15.33	0.000	-.0308147	-.0236824
st_CO	-.01474	.0018977	-7.77	0.000	-.0185463	-.0109337
st_CT	.002676	.0017187	1.56	0.125	-.0007713	.0061234
st_DC	.0101094	.0019138	5.28	0.000	.0062708	.0139481
st_DE	-.0243567	.0018006	-13.53	0.000	-.0279683	-.0207452
st_FL	-.0021107	.0018259	-1.16	0.253	-.0057729	.0015515
st_GA	-.0042286	.0016403	-2.58	0.013	-.0075187	-.0009386
st_HI	-.0110735	.0017153	-6.46	0.000	-.014514	-.007633
st_IA	-.0156803	.0020536	-7.64	0.000	-.0197993	-.0115614
st_ID	-.0111349	.002068	-5.38	0.000	-.0152828	-.006987
st_IL	-.0130851	.0018898	-6.92	0.000	-.0168756	-.0092946
st_IN	-.00289	.0017729	-1.63	0.109	-.006446	.000666
st_KS	.0022108	.001713	1.29	0.202	-.001225	.0056465
st_KY	-.0115248	.0017734	-6.50	0.000	-.0150818	-.0079677
st_LA	-.0009549	.0016701	-0.57	0.570	-.0043047	.0023949
st_MA	.0116772	.002192	5.33	0.000	.0072807	.0160738
st_MD	.0261929	.0018201	14.39	0.000	.0225422	.0298436
st_ME	-.0149155	.0017904	-8.33	0.000	-.0185066	-.0113245
st_MI	.0029466	.0016513	1.78	0.080	-.0003656	.0062587
st_MN	.0058082	.0017926	3.24	0.002	.0022127	.0094037
st_MO	-.0026539	.0017143	-1.55	0.128	-.0060924	.0007845
st_MS	-.0015136	.0017941	-0.84	0.403	-.005112	.0020849
st_MT	.002704	.0017506	1.54	0.128	-.0008073	.0062153
st_NC	-.0373979	.0017554	-21.30	0.000	-.0409187	-.0338771
st_ND	.0074672	.0017794	4.20	0.000	.0038982	.0110361
st_NE	-.0400627	.0023229	-17.25	0.000	-.0447218	-.0354035
st_NH	.0101706	.0018978	5.36	0.000	.006364	.0139772
st_NJ	.0035084	.0016903	2.08	0.043	.000118	.0068987
st_NM	.0038585	.0019057	2.02	0.048	.0000361	.007681
st_NV	-.0013643	.0017474	-0.78	0.438	-.0048692	.0021407
st_NY	-.0019963	.0018122	-1.10	0.276	-.0056311	.0016384

st_OH	-.0146192	.0018084	-8.08	0.000	-.0182465	-.0109919
st_OK	-.0178089	.0017809	-10.00	0.000	-.0213809	-.0142368
st_OR	-.01311	.0017669	-7.42	0.000	-.016654	-.0095659
st_PA	-.0093714	.0016844	-5.56	0.000	-.0127499	-.0059929
st_PR	-.0022042	.0026524	-0.83	0.410	-.0075242	.0031159
st_RI	-.0892305	.0043739	-20.40	0.000	-.0980035	-.0804574
st_SC	.0080813	.0019581	4.13	0.000	.004154	.0120087
st_SD	-.0027572	.0017042	-1.62	0.112	-.0061754	.0006611
st_TN	-.0018161	.0017567	-1.03	0.306	-.0053395	.0017073
st_TX	-.0247671	.0017789	-13.92	0.000	-.0283352	-.021199
st_UT	.091514	.0020778	44.04	0.000	.0873465	.0956814
st_VA	-.0002684	.0017172	-0.16	0.876	-.0037128	.003176
st_VT	-.0374203	.002312	-16.19	0.000	-.0420575	-.032783
st_WA	.0842471	.0018335	45.95	0.000	.0805696	.0879246
st_WI	-.0124304	.0020449	-6.08	0.000	-.016532	-.0083288
st_WV	.0310428	.0018024	17.22	0.000	.0274277	.0346579
st_WY	-.0134288	.0023799	-5.64	0.000	-.0182022	-.0086554
pial	-6.87e-06	4.27e-06	-1.61	0.114	-.0000154	1.70e-06
pia_miss	-.0155374	.0048516	-3.20	0.002	-.0252685	-.0058062
ime1	2.75e-06	1.60e-06	1.72	0.091	-4.56e-07	5.95e-06
ime_miss	.000013	.0017685	0.01	0.994	-.0035342	.0035602
_cons	.043635	.0053744	8.12	0.000	.0328553	.0544147

(1) motoimm = 0

F(1, 53) = 0.18
 Prob > F = 0.6749

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(44, 53) = .
 Prob > F = .
 R-squared = 0.1190
 Root MSE = .19416

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-7.96e-06	.0001804	-0.04	0.965	-.0003698	.0003539
male	.0035779	.0014807	2.42	0.019	.0006079	.0065479
gendermiss_flag	-.0861011	.0085246	-10.10	0.000	-.1031994	-.0690028
tsd_age	-.0014425	.0001787	-8.07	0.000	-.001801	-.001084
doage2	-.0000604	.0001593	-0.38	0.706	-.0003798	.0002591
doage2miss_flag	-.0358837	.0051549	-6.96	0.000	-.0462231	-.0255444
race_a	.0058356	.0086422	0.68	0.502	-.0114985	.0231697
race_b	.0098716	.0017198	5.74	0.000	.0064221	.013321
race_h	-.0069524	.0036601	-1.90	0.063	-.0142936	.0003887
race_i	-.0021802	.0055183	-0.40	0.694	-.0132486	.0088882
race_o	-.0035028	.0140465	-0.25	0.804	-.0316766	.024671
race_mis	.0019865	.0041744	0.48	0.636	-.0063863	.0103594
tsd_edu_hs	.0034071	.0016931	2.01	0.049	.0000113	.006803
tsd_edu_mrhs	.0168155	.0028998	5.80	0.000	.0109993	.0226317
tsd_edu_mis	.0133384	.0019668	6.78	0.000	.0093935	.0172834
tsd_mie_exp	-.0106665	.0038268	-2.79	0.007	-.018342	-.002991
tsd_mie_mis	-.0127716	.0021321	-5.99	0.000	-.0170481	-.0084952
tsd_mie_psbl	-.0097866	.0019689	-4.97	0.000	-.0137357	-.0058374
tsd_medicare	-.0110003	.0021072	-5.22	0.000	-.0152269	-.0067738

tsd_medicare_miss	-.0308674	.0054168	-5.70	0.000	-.0417323	-.0200026
tsd_depend_1	-.0076621	.0024798	-3.09	0.003	-.012636	-.0026882
tsd_depend_2	-.0035155	.0015655	-2.25	0.029	-.0066555	-.0003754
tsd_depend_miss	-.0208041	.0070082	-2.97	0.004	-.0348608	-.0067475
tsd_vrpr	.0132886	.0041851	3.18	0.002	.0048944	.0216828
tsd_vrpr_miss	-.0159576	.0038546	-4.14	0.000	-.023689	-.0082262
pdcgrou2	.0007507	.0021662	0.35	0.730	-.0035941	.0050955
pdcgrou3	.0012685	.0029634	0.43	0.670	-.0046753	.0072123
pdcgrou4	.0013513	.0021752	0.62	0.537	-.0030116	.0057141
pdcgrou5	-.0205516	.0078173	-2.63	0.011	-.0362312	-.0048721
cohort2000	-.0051775	.0023748	-2.18	0.034	-.0099408	-.0004142
cohort2001	-.0050342	.0036397	-1.38	0.172	-.0123346	.0022661
cohort2002	-.0008948	.0054024	-0.17	0.869	-.0117307	.0099411
cohort2003	.0361664	.0109402	3.31	0.002	.0142232	.0581096
cohort2004	-.0059758	.0088789	-0.67	0.504	-.0237847	.0118331
award_b4_tsd	.0077298	.0085412	0.91	0.370	-.0094016	.0248612
diaward_tsd	-.0006518	.0001516	-4.30	0.000	-.000956	-.0003477
epeb4twp_flag	-.0118474	.0387717	-0.31	0.761	-.0896136	.0659188
ldwb4twp_flag	.0359568	.022242	1.62	0.112	-.0086549	.0805686
ldwb4epe_flag	.2257396	.0448534	5.03	0.000	.135775	.3157042
twpb4tsd	.2736575	.0068945	39.69	0.000	.259829	.2874861
epeb4tsd	-.1216747	.0078119	-15.58	0.000	-.1373434	-.1060061
ldwb4tsd	-.0724226	.0054484	-13.29	0.000	-.0833508	-.0614944
st_AL	.0348611	.0032392	10.76	0.000	.0283642	.041358
st_AR	-.0099176	.0031797	-3.12	0.003	-.0162953	-.0035399
st_AZ	-.0041015	.003588	-1.14	0.258	-.0112981	.0030951
st_CA	.0123983	.0031232	3.97	0.000	.006134	.0186626
st_CO	-.0353671	.0034175	-10.35	0.000	-.0422216	-.0285125
st_CT	.0155453	.0031132	4.99	0.000	.009301	.0217895
st_DC	.0292639	.0032466	9.01	0.000	.0227521	.0357757
st_DE	.0072075	.0033716	2.14	0.037	.0004449	.0139701
st_FL	.0062787	.0033179	1.89	0.064	-.0003762	.0129337
st_GA	-.0048705	.0031516	-1.55	0.128	-.0111918	.0014508
st_HI	-.0256998	.0034699	-7.41	0.000	-.0326594	-.0187401
st_IA	-.0025062	.0035859	-0.70	0.488	-.0096987	.0046863
st_ID	-.0245713	.0035881	-6.85	0.000	-.0317681	-.0173744
st_IL	.0007319	.0035104	0.21	0.836	-.006309	.0077728
st_IN	-.0003619	.0031093	-0.12	0.908	-.0065985	.0058746
st_KS	.0104906	.0031139	3.37	0.001	.0042449	.0167363
st_KY	-.0140828	.0031579	-4.46	0.000	-.0204168	-.0077488
st_LA	.0022987	.0031458	0.73	0.468	-.004011	.0086084
st_MA	.0342476	.0037959	9.02	0.000	.026634	.0418612
st_MD	.0559242	.0031604	17.70	0.000	.0495852	.0622632
st_ME	-.0316164	.0032911	-9.61	0.000	-.0382176	-.0250153
st_MI	.0059151	.003094	1.91	0.061	-.0002908	.012121
st_MN	.0517568	.0032266	16.04	0.000	.0452851	.0582285
st_MO	-.0039568	.0031112	-1.27	0.209	-.0101971	.0022835
st_MS	-.0020085	.0031303	-0.64	0.524	-.0082871	.0042702
st_MT	-.0001365	.0031655	-0.04	0.966	-.0064857	.0062128
st_NC	.0044751	.0030902	1.45	0.153	-.0017231	.0106732
st_ND	.0091783	.0031578	2.91	0.005	.0028446	.015512
st_NE	-.0723202	.0036626	-19.75	0.000	-.0796665	-.0649739
st_NH	.017995	.0031782	5.66	0.000	.0116204	.0243697
st_NJ	.00657	.0031171	2.11	0.040	.0003179	.012822
st_NM	.0090924	.003193	2.85	0.006	.0026881	.0154968
st_NV	.0021901	.0031605	0.69	0.491	-.0041491	.0085293
st_NY	.0038917	.003378	1.15	0.254	-.0028838	.0106672
st_OH	-.042364	.0031457	-13.47	0.000	-.0486734	-.0360546
st_OK	.0018994	.0032807	0.58	0.565	-.0046809	.0084798
st_OR	-.021849	.0035012	-6.24	0.000	-.0288715	-.0148266
st_PA	-.0268083	.0030739	-8.72	0.000	-.0329736	-.0206429
st_PR	-.0102835	.004455	-2.31	0.025	-.0192191	-.0013479
st_RI	-.1259521	.0045773	-27.52	0.000	-.135133	-.1167713

st_SC	-.004945	.003483	-1.42	0.162	-.0119311	.002041
st_SD	.0089024	.0030852	2.89	0.006	.0027143	.0150906
st_TN	-.0020474	.0031407	-0.65	0.517	-.0083468	.0042519
st_TX	-.0402166	.0030945	-13.00	0.000	-.0464234	-.0340098
st_UT	.0729807	.0035442	20.59	0.000	.065872	.0800893
st_VA	.004978	.0031128	1.60	0.116	-.0012655	.0112215
st_VT	-.0626446	.0040531	-15.46	0.000	-.0707739	-.0545152
st_WA	.0873145	.0032338	27.00	0.000	.0808284	.0938006
st_WI	-.0055155	.0035678	-1.55	0.128	-.0126717	.0016406
st_WV	.0123552	.0032715	3.78	0.000	.0057934	.018917
st_WY	.296147	.0035928	82.43	0.000	.2889408	.3033532
pial	-9.85e-06	7.17e-06	-1.37	0.175	-.0000242	4.53e-06
pia_miss	-.0185455	.0084074	-2.21	0.032	-.0354087	-.0016824
ime1	3.66e-06	2.00e-06	1.83	0.073	-3.50e-07	7.67e-06
ime_miss	-.0099476	.0029119	-3.42	0.001	-.015788	-.0041071
_cons	.1220344	.0104177	11.71	0.000	.1011391	.1429298

(1) motoimm = 0

F(1, 53) = 0.00
 Prob > F = 0.9650

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(44, 53) = .
 Prob > F = .
 R-squared = 0.1172
 Root MSE = .23273

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0000323	.0002217	-0.15	0.885	-.000477	.0004124
male	.0050597	.0018013	2.81	0.007	.0014468	.0086726
gendermiss_flag	-.1505796	.0085579	-17.60	0.000	-.1677446	-.1334145
tsd_age	-.0022825	.0002588	-8.82	0.000	-.0028015	-.0017634
doage2	-.0000468	.0001603	-0.29	0.772	-.0003682	.0002747
doage2miss_flag	-.0743067	.008368	-8.88	0.000	-.0910907	-.0575226
race_a	.0033274	.0105715	0.31	0.754	-.0178764	.0245312
race_b	.0164799	.0020949	7.87	0.000	.0122781	.0206818
race_h	-.0081824	.004531	-1.81	0.077	-.0172705	.0009057
race_i	-.0021738	.0104654	-0.21	0.836	-.0231647	.0188172
race_o	-.0085053	.0141043	-0.60	0.549	-.036795	.0197844
race_mis	.0019289	.0049098	0.39	0.696	-.007919	.0117767
tsd_edu_hs	.0054105	.0018918	2.86	0.006	.0016161	.0092049
tsd_edu_mrhs	.0243413	.0027668	8.80	0.000	.0187918	.0298907
tsd_edu_mis	.0156883	.0015856	9.89	0.000	.0125079	.0188686
tsd_mie_exp	-.011845	.0043668	-2.71	0.009	-.0206038	-.0030863
tsd_mie_mis	-.0166947	.0022467	-7.43	0.000	-.021201	-.0121885
tsd_mie_psbl	-.0131991	.0019442	-6.79	0.000	-.0170986	-.0092996
tsd_medicare	-.0150746	.002959	-5.09	0.000	-.0210096	-.0091395
tsd_medicare_miss	-.0469352	.0056822	-8.26	0.000	-.0583322	-.0355381
tsd_depend_1	-.0108663	.002913	-3.73	0.000	-.0167091	-.0050236
tsd_depend_2	-.0033003	.0017807	-1.85	0.069	-.006872	.0002714
tsd_depend_miss	-.027711	.0094571	-2.93	0.005	-.0466795	-.0087425
tsd_vrpr	-.0088241	.0059207	-1.49	0.142	-.0206996	.0030513
tsd_vrpr_miss	-.0520788	.005841	-8.92	0.000	-.0637943	-.0403632

pdgroup2	-.004821	.0030803	-1.57	0.124	-.0109994	.0013574
pdgroup3	-.0002791	.0037119	-0.08	0.940	-.0077241	.007166
pdgroup4	-.0014299	.0026372	-0.54	0.590	-.0067195	.0038598
pdgroup5	-.0179446	.0197305	-0.91	0.367	-.057519	.0216299
cohort2000	-.0078283	.0022396	-3.50	0.001	-.0123205	-.0033362
cohort2001	-.0069386	.0040223	-1.73	0.090	-.0150063	.0011291
cohort2002	-.0029153	.0065731	-0.44	0.659	-.0160992	.0102686
cohort2003	.0621248	.015226	4.08	0.000	.0315853	.0926643
cohort2004	.0369202	.0125586	2.94	0.005	.0117309	.0621096
award_b4_tsd	.0052206	.0094088	0.55	0.581	-.013651	.0240923
diaward_tsd	-.0008746	.0001772	-4.94	0.000	-.00123	-.0005193
epeb4twp_flag	-.0051039	.0434035	-0.12	0.907	-.0921603	.00819526
ldwb4twp_flag	.0283555	.0275631	1.03	0.308	-.0269291	.0836402
ldwb4epe_flag	.360524	.0386874	9.32	0.000	.282927	.4381211
twpb4tsd	.3023297	.0078654	38.44	0.000	.2865536	.3181058
epeb4tsd	-.154239	.0076918	-20.05	0.000	-.1696667	-.1388112
ldwb4tsd	-.0900395	.0058863	-15.30	0.000	-.101846	-.0782331
st_AL	.013683	.0062748	2.18	0.034	.0010973	.0262687
st_AR	-.0275236	.0061649	-4.46	0.000	-.0398888	-.0151585
st_AZ	-.025537	.006587	-3.88	0.000	-.0387488	-.0123251
st_CA	-.0014188	.0062585	-0.23	0.822	-.0139717	.0111341
st_CO	-.061816	.0064516	-9.58	0.000	-.0747562	-.0488757
st_CT	.0037635	.0061496	0.61	0.543	-.008571	.016098
st_DC	.0074164	.006362	1.17	0.249	-.0053442	.020177
st_DE	-.0292894	.0062625	-4.68	0.000	-.0418503	-.0167286
st_FL	-.0048191	.006299	-0.77	0.448	-.0174534	.0078151
st_GA	-.0203424	.0060798	-3.35	0.002	-.0325369	-.0081479
st_HI	-.0588213	.0065746	-8.95	0.000	-.0720082	-.0456344
st_IA	-.0030226	.0064637	-0.47	0.642	-.0159872	.0099419
st_ID	.0552893	.0066073	8.37	0.000	.0420367	.0685419
st_IL	-.0218506	.0064646	-3.38	0.001	-.034817	-.0088842
st_IN	-.016382	.0061542	-2.66	0.010	-.0287258	-.0040383
st_KS	-.0042988	.0061744	-0.70	0.489	-.0166831	.0080855
st_KY	-.0365558	.0061549	-5.94	0.000	-.0489009	-.0242107
st_LA	-.0157858	.0061303	-2.58	0.013	-.0280817	-.0034899
st_MA	.0240616	.0066415	3.62	0.001	.0107404	.0373828
st_MD	.0326222	.0062401	5.23	0.000	.0201061	.0451383
st_ME	-.0673222	.0062603	-10.75	0.000	-.0798789	-.0547655
st_MI	-.0115145	.0060975	-1.89	0.064	-.0237445	.0007156
st_MN	.0103557	.0064392	1.61	0.114	-.0025596	.0232711
st_MO	-.0233807	.0061597	-3.80	0.000	-.0357354	-.0110259
st_MS	-.0226207	.0061295	-3.69	0.001	-.0349149	-.0103265
st_MT	-.0169318	.0062246	-2.72	0.009	-.0294168	-.0044468
st_NC	-.0124392	.0061484	-2.02	0.048	-.0247712	-.0001071
st_ND	-.0093171	.0062806	-1.48	0.144	-.0219143	.0032801
st_NE	-.0115171	.0069133	-1.67	0.102	-.0253835	.0023493
st_NH	.0180106	.0061871	2.91	0.005	.0056008	.0304204
st_NJ	-.0085433	.0062398	-1.37	0.177	-.0210587	.0039721
st_NM	-.0057129	.0062555	-0.91	0.365	-.0182599	.0068341
st_NV	-.0075659	.0062443	-1.21	0.231	-.0200903	.0049586
st_NY	-.0042364	.0063746	-0.66	0.509	-.0170222	.0085493
st_OH	-.0600733	.0062607	-9.60	0.000	-.0726307	-.0475158
st_OK	.0149972	.006169	2.43	0.018	.0026237	.0273707
st_OR	-.0278594	.0063901	-4.36	0.000	-.0406764	-.0150425
st_PA	-.0503924	.006061	-8.31	0.000	-.0625492	-.0382356
st_PR	-.0429726	.0074153	-5.80	0.000	-.0578457	-.0280995
st_RI	.0270043	.0090034	3.00	0.004	.0089458	.0450629
st_SC	-.0334224	.0063762	-5.24	0.000	-.0462114	-.0206335
st_SD	-.0187051	.0061756	-3.03	0.004	-.0310918	-.0063185
st_TN	-.0229615	.0061528	-3.73	0.000	-.0353025	-.0106205
st_TX	-.0195614	.0062559	-3.13	0.003	-.0321092	-.0070136
st_UT	.0404664	.0064116	6.31	0.000	.0276063	.0533265
st_VA	-.0097158	.0061527	-1.58	0.120	-.0220564	.0026249

st_VT	-.065785	.0068152	-9.65	0.000	-.0794547	-.0521154
st_WA	.0726866	.0063258	11.49	0.000	.0599987	.0853745
st_WI	-.0455105	.0064425	-7.06	0.000	-.0584325	-.0325885
st_WV	.0286733	.0062961	4.55	0.000	.0160449	.0413016
st_WY	.2464422	.0065479	37.64	0.000	.2333088	.2595757
pial	1.99e-06	.0000105	0.19	0.850	-.000019	.000023
pia_miss	-.0140083	.0096515	-1.45	0.153	-.0333667	.0053501
ime1	-1.32e-06	2.73e-06	-0.48	0.631	-6.79e-06	4.15e-06
ime_miss	-.0246614	.0032847	-7.51	0.000	-.0312498	-.0180731
_cons	.2298656	.0148079	15.52	0.000	.2001647	.2595666

(1) motoimm = 0

F(1, 53) = 0.02
 Prob > F = 0.8848

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(44, 53) = .
 Prob > F = .
 R-squared = 0.1148
 Root MSE = .25658

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0000633	.0003184	-0.20	0.843	-.0007018 .0005753
male	.0047542	.0021728	2.19	0.033	.0003963 .0091122
gendermiss_flag	-.1986757	.00975	-20.38	0.000	-.2182316 -.1791198
tsd_age	-.0030538	.0003321	-9.20	0.000	-.0037198 -.0023877
doage2	.0000787	.0001921	0.41	0.683	-.0003065 .000464
doage2miss_flag	-.0937734	.0100523	-9.33	0.000	-.1139357 -.073611
race_a	.0036669	.0147487	0.25	0.805	-.0259154 .0332491
race_b	.0170448	.0021498	7.93	0.000	.0127328 .0213568
race_h	-.0047777	.0056019	-0.85	0.398	-.0160137 .0064584
race_i	-.002125	.0110059	-0.19	0.848	-.0242 .0199499
race_o	-.0068632	.0163627	-0.42	0.677	-.0396825 .0259561
race_mis	-.0030435	.0054106	-0.56	0.576	-.0138959 .0078089
tsd_edu_hs	.0077076	.0022841	3.37	0.001	.0031262 .0122889
tsd_edu_mrhs	.0302845	.0032199	9.41	0.000	.0238263 .0367427
tsd_edu_mis	.0181989	.0022117	8.23	0.000	.0137629 .0226349
tsd_mie_exp	-.0125057	.0054762	-2.28	0.026	-.0234896 -.0015217
tsd_mie_mis	-.0170307	.0022524	-7.56	0.000	-.0215484 -.012513
tsd_mie_psbl	-.0118149	.0025163	-4.70	0.000	-.016862 -.0067678
tsd_medicare	-.0178113	.0034766	-5.12	0.000	-.0247845 -.0108381
tsd_medicare_miss	-.0587514	.0062844	-9.35	0.000	-.0713564 -.0461464
tsd_depend_1	-.0099267	.0031793	-3.12	0.003	-.0163036 -.0035498
tsd_depend_2	-.0002121	.0016688	-0.13	0.899	-.0035593 .0031351
tsd_depend_miss	-.037564	.0095977	-3.91	0.000	-.0568145 -.0183134
tsd_vrpr	-.028743	.0049821	-5.77	0.000	-.0387357 -.0187502
tsd_vrpr_miss	-.0823487	.0051918	-15.86	0.000	-.0927621 -.0719354
pdcgrou2	-.0077548	.0033775	-2.30	0.026	-.0145292 -.0009804
pdcgrou3	-.000664	.0037479	-0.18	0.860	-.0081814 .0068534
pdcgrou4	-.0026457	.0029973	-0.88	0.381	-.0086576 .0033661
pdcgrou5	-.0317435	.0196064	-1.62	0.111	-.0710691 .0075821
cohort2000	-.0100539	.0029398	-3.42	0.001	-.0159503 -.0041575
cohort2001	-.0107475	.0047665	-2.25	0.028	-.0203078 -.0011872

cohort2002	-.005875	.0068458	-0.86	0.395	-.019606	.007856
cohort2003	.0769194	.0202142	3.81	0.000	.0363749	.1174639
cohort2004	.0562583	.0131923	4.26	0.000	.0297978	.0827187
award_b4_tsd	.0043703	.0102955	0.42	0.673	-.0162799	.0250205
diaward_tsd	-.0009702	.0002547	-3.81	0.000	-.0014811	-.0004593
epeb4twp_flag	-.0042807	.0459777	-0.09	0.926	-.0965003	.0879389
ldwb4twp_flag	.0208171	.0308953	0.67	0.503	-.041151	.0827853
ldwb4epe_flag	.4931289	.0398238	12.38	0.000	.4132524	.5730054
twpb4tsd	.3083445	.0075483	40.85	0.000	.2932046	.3234845
epeb4tsd	-.1737419	.007646	-22.72	0.000	-.1890779	-.1584059
ldwb4tsd	-.1008143	.005499	-18.33	0.000	-.1118439	-.0897847
st_AL	-.0022557	.0073216	-0.31	0.759	-.0169409	.0124295
st_AR	-.0287962	.0072523	-3.97	0.000	-.0433425	-.0142498
st_AZ	-.0225979	.0077194	-2.93	0.005	-.0380811	-.0071148
st_CA	-.0010538	.0072686	-0.14	0.885	-.0156329	.0135252
st_CO	-.0672292	.0075035	-8.96	0.000	-.0822793	-.052179
st_CT	.0021303	.0071847	0.30	0.768	-.0122803	.0165409
st_DC	.0159874	.0074273	2.15	0.036	.00109	.0308847
st_DE	-.0109272	.007263	-1.50	0.138	-.025495	.0036406
st_FL	-.0009024	.0073329	-0.12	0.903	-.0156103	.0138055
st_GA	-.0218906	.0071502	-3.06	0.003	-.036232	-.0075491
st_HI	-.0731081	.0078227	-9.35	0.000	-.0887984	-.0574178
st_IA	.0183348	.0074616	2.46	0.017	.0033687	.0333009
st_ID	.0423293	.0074702	5.67	0.000	.027346	.0573127
st_IL	-.0285677	.0074739	-3.82	0.000	-.0435583	-.013577
st_IN	-.0188914	.0071958	-2.63	0.011	-.0333244	-.0044584
st_KS	-.0006249	.0072232	-0.09	0.931	-.0151128	.013863
st_KY	-.0385319	.0071916	-5.36	0.000	-.0529564	-.0241075
st_LA	-.0116386	.0071929	-1.62	0.112	-.0260658	.0027886
st_MA	.0324682	.0076343	4.25	0.000	.0171557	.0477807
st_MD	.0506515	.0073569	6.88	0.000	.0358954	.0654076
st_ME	-.0817081	.0073292	-11.15	0.000	-.0964086	-.0670076
st_MI	-.014447	.0071291	-2.03	0.048	-.0287461	-.0001479
st_MN	.0257246	.0075335	3.41	0.001	.0106144	.0408349
st_MO	-.0222825	.0071876	-3.10	0.003	-.036699	-.0078661
st_MS	-.0237142	.0071618	-3.31	0.002	-.0380788	-.0093495
st_MT	-.0183675	.0072809	-2.52	0.015	-.0329711	-.003764
st_NC	-.0041407	.0071805	-0.58	0.567	-.018543	.0102615
st_ND	-.0056444	.0073399	-0.77	0.445	-.0203663	.0090774
st_NE	-.0387922	.0079778	-4.86	0.000	-.0547936	-.0227908
st_NH	.032776	.0071925	4.56	0.000	.0183498	.0472023
st_NJ	-.0081996	.0072907	-1.12	0.266	-.022823	.0064237
st_NM	-.0041295	.0075324	-0.55	0.586	-.0192377	.0109786
st_NV	-.0128339	.0073417	-1.75	0.086	-.0275596	.0018917
st_NY	-.0045679	.0073874	-0.62	0.539	-.0193851	.0102494
st_OH	-.0794285	.0072142	-11.01	0.000	-.0938984	-.0649587
st_OK	.0131623	.007231	1.82	0.074	-.0013413	.0276659
st_OR	-.0041124	.00741	-0.55	0.581	-.0189749	.0107501
st_PA	-.0655172	.0071795	-9.13	0.000	-.0799175	-.051117
st_PR	-.0558856	.0086109	-6.49	0.000	-.0731569	-.0386142
st_RI	.0114417	.0098892	1.16	0.252	-.0083936	.031277
st_SC	-.0367329	.0074124	-4.96	0.000	-.0516003	-.0218654
st_SD	-.0120578	.0072424	-1.66	0.102	-.0265842	.0024687
st_TN	-.0249615	.0072014	-3.47	0.001	-.0394057	-.0105174
st_TX	-.0281805	.0073762	-3.82	0.000	-.0429753	-.0133857
st_UT	.0309206	.0074021	4.18	0.000	.0160738	.0457674
st_VA	-.0079885	.007213	-1.11	0.273	-.0224558	.0064789
st_VT	-.0109172	.0078657	-1.39	0.171	-.0266939	.0048594
st_WA	.0531723	.0073691	7.22	0.000	.0383918	.0679528
st_WI	-.0353355	.0074193	-4.76	0.000	-.0502166	-.0204543
st_WV	.0130341	.0073709	1.77	0.083	-.00175	.0278183
st_WY	.2209218	.0076235	28.98	0.000	.2056309	.2362126
pial	6.84e-06	.0000104	0.66	0.515	-.0000141	.0000278

pia_miss	-.0042977	.0094001	-0.46	0.649	-.023152	.0145566
ime1	-4.28e-06	2.90e-06	-1.48	0.145	-.0000101	1.53e-06
ime_miss	-.0354535	.00373	-9.50	0.000	-.0429349	-.0279721
_cons	.3006206	.0149744	20.08	0.000	.2705858	.3306554

(1) motoimm = 0

F(1, 53) = 0.04
 Prob > F = 0.8432

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(44, 53) = .
 Prob > F = .
 R-squared = 0.0197
 Root MSE = .17897

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0002028	.0001676	-1.21	0.232	-.000539	.0001334
male	.0024643	.00151	1.63	0.109	-.0005644	.0054931
gendermiss_flag	-.1024238	.0094869	-10.80	0.000	-.1214521	-.0833955
tsd_age	-.0011714	.0001444	-8.11	0.000	-.0014611	-.0008817
doage2	-3.51e-06	.0001359	-0.03	0.980	-.000276	.000269
doage2miss_flag	-.0385235	.0046784	-8.23	0.000	-.047907	-.0291399
race_a	.0039064	.0079827	0.49	0.627	-.0121048	.0199176
race_b	.0082023	.001944	4.22	0.000	.0043032	.0121015
race_h	-.0033694	.0025685	-1.31	0.195	-.0085212	.0017824
race_i	-.0020118	.0080819	-0.25	0.804	-.0182219	.0141984
race_o	.0138251	.0174234	0.79	0.431	-.0211218	.048772
race_miss	.0068286	.0054888	1.24	0.219	-.0041805	.0178377
tsd_edu_hs	.0018743	.0015826	1.18	0.242	-.0013	.0050487
tsd_edu_mrhs	.01159	.0026895	4.31	0.000	.0061955	.0169844
tsd_edu_mis	.0034478	.0016228	2.12	0.038	.0001929	.0067028
tsd_mie_exp	.0014191	.0031595	0.45	0.655	-.0049181	.0077563
tsd_mie_mis	-.0044629	.0016553	-2.70	0.009	-.0077831	-.0011427
tsd_mie_psbl	.0037967	.0020843	1.82	0.074	-.0003839	.0079773
tsd_medicare	-.0166987	.0018368	-9.09	0.000	-.0203828	-.0130147
tsd_medicare_miss	-.0198754	.0063472	-3.13	0.003	-.0326063	-.0071445
tsd_depend_1	-.005969	.0020895	-2.86	0.006	-.0101599	-.001778
tsd_depend_2	-.0012342	.0013684	-0.90	0.371	-.0039789	.0015105
tsd_depend_miss	-.0151742	.0040473	-3.75	0.000	-.023292	-.0070563
tsd_vrpr	-.0101299	.0034563	-2.93	0.005	-.0170623	-.0031976
tsd_vrpr_miss	-.0356794	.0028991	-12.31	0.000	-.0414943	-.0298645
pdcgrou2	-.0061796	.0034598	-1.79	0.080	-.013119	.0007598
pdcgrou3	-.0061116	.0033908	-1.80	0.077	-.0129127	.0006896
pdcgrou4	-.0047624	.0026999	-1.76	0.084	-.0101777	.0006529
pdcgrou5	-.0056742	.0180506	-0.31	0.754	-.0418791	.0305308
cohort2000	-.0055605	.0027232	-2.04	0.046	-.0110225	-.0000986
cohort2001	-.0049481	.0043596	-1.13	0.261	-.0136923	.0037962
cohort2002	-.0063751	.006147	-1.04	0.304	-.0187044	.0059541
cohort2003	.0008607	.0121298	0.07	0.944	-.0234686	.0251901
cohort2004	-.0309693	.0095738	-3.23	0.002	-.0501719	-.0117668
award_b4_tsd	.0087589	.009146	0.96	0.343	-.0095856	.0271033
diaward_tsd	-.0002198	.0001509	-1.46	0.151	-.0005224	.0000827
epeb4twp_flag	.1055479	.1123984	0.94	0.352	-.1198947	.3309905

ldwb4twp_flag	.0147022	.0720551	0.20	0.839	-.1298221	.1592265
ldwb4epe_flag	.1852374	.0346865	5.34	0.000	.115665	.2548097
twpb4tsd	-.0179826	.0086373	-2.08	0.042	-.0353069	-.0006584
epeb4tsd	-.032307	.0032514	-9.94	0.000	-.0388285	-.0257856
ldwb4tsd	-.0165454	.0023335	-7.09	0.000	-.0212259	-.0118649
st_AL	-.0018478	.0027934	-0.66	0.511	-.0074507	.0037551
st_AR	-.0078598	.0027943	-2.81	0.007	-.0134645	-.0022551
st_AZ	-.0031575	.0029801	-1.06	0.294	-.0091349	.00282
st_CA	.0180552	.0027287	6.62	0.000	.0125822	.0235282
st_CO	-.030459	.0028352	-10.74	0.000	-.0361457	-.0247723
st_CT	.0106095	.0027198	3.90	0.000	.0051544	.0160646
st_DC	.0046651	.0030557	1.53	0.133	-.0014638	.010794
st_DE	.0370003	.0027756	13.33	0.000	.0314331	.0425674
st_FL	.0074574	.0027848	2.68	0.010	.0018717	.0130431
st_GA	-.0025552	.0028788	-0.89	0.379	-.0083294	.0032191
st_HI	-.0329544	.0032424	-10.16	0.000	-.0394579	-.0264509
st_IA	.0214804	.0029412	7.30	0.000	.0155812	.0273797
st_ID	-.0320104	.0030931	-10.35	0.000	-.0382144	-.0258063
st_IL	.0004271	.0028467	0.15	0.881	-.0052827	.0061369
st_IN	-.0007695	.0027188	-0.28	0.778	-.0062228	.0046838
st_KS	.0070018	.0027493	2.55	0.014	.0014873	.0125163
st_KY	-.0112372	.0027567	-4.08	0.000	-.0167664	-.005708
st_LA	-.0002219	.002765	-0.08	0.936	-.0057679	.005324
st_MA	.0407932	.0029492	13.83	0.000	.0348779	.0467085
st_MD	-.0367752	.002816	-13.06	0.000	-.0424235	-.031127
st_ME	-.0307866	.0030991	-9.93	0.000	-.0370025	-.0245706
st_MI	.0015924	.002736	0.58	0.563	-.0038953	.0070802
st_MN	.0638189	.0027938	22.84	0.000	.0582151	.0694226
st_MO	.0029716	.0027235	1.09	0.280	-.0024911	.0084343
st_MS	-.0059098	.0027592	-2.14	0.037	-.011444	-.0003756
st_MT	-.0036495	.0029082	-1.25	0.215	-.0094826	.0021835
st_NC	.0570894	.0027939	20.43	0.000	.0514856	.0626932
st_ND	-.0069872	.0029186	-2.39	0.020	-.0128412	-.0011332
st_NE	-.0529027	.0028921	-18.29	0.000	-.0587036	-.0471018
st_NH	.0114109	.0027843	4.10	0.000	.0058264	.0169954
st_NJ	.0035564	.0027558	1.29	0.202	-.0019711	.0090839
st_NM	.0031536	.0028878	1.09	0.280	-.0026385	.0089458
st_NV	.0073362	.0027723	2.65	0.011	.0017758	.0128967
st_NY	.0064923	.0028261	2.30	0.026	.0008239	.0121607
st_OH	-.0231666	.0028285	-8.19	0.000	-.0288398	-.0174933
st_OK	-.0268676	.0028874	-9.31	0.000	-.032659	-.0210762
st_OR	.0011773	.0030649	0.38	0.702	-.0049701	.0073246
st_PA	-.0201113	.002887	-6.97	0.000	-.0259019	-.0143208
st_PR	-.0084286	.0034346	-2.45	0.017	-.0153175	-.0015397
st_RI	.1697649	.0058289	29.12	0.000	.1580735	.1814563
st_SC	-.0238227	.0029	-8.21	0.000	-.0296393	-.0180061
st_SD	.0018127	.0028483	0.64	0.527	-.0039002	.0075257
st_TN	-.0046338	.0027419	-1.69	0.097	-.0101333	.0008657
st_TX	-.0016916	.0028664	-0.59	0.558	-.0074409	.0040576
st_UT	-.0229908	.0034072	-6.75	0.000	-.0298248	-.0161568
st_VA	.0019329	.0027272	0.71	0.482	-.0035372	.007403
st_VT	.0367966	.0031205	11.79	0.000	.0305377	.0430555
st_WA	.0419769	.0028433	14.76	0.000	.036274	.0476799
st_WI	-.0156355	.002922	-5.35	0.000	-.0214963	-.0097746
st_WV	.0275569	.0029377	9.38	0.000	.0216646	.0334492
st_WY	-.0409956	.0032573	-12.59	0.000	-.0475289	-.0344622
pial	.0000245	7.21e-06	3.40	0.001	.00001	.000039
pia_miss	.0093639	.0061607	1.52	0.134	-.002993	.0217208
ime1	-6.03e-06	1.84e-06	-3.27	0.002	-9.72e-06	-2.33e-06
ime_miss	-.0182223	.0025629	-7.11	0.000	-.0233628	-.0130818
_cons	.1197088	.0102354	11.70	0.000	.0991791	.1402384

(1) motoimm = 0

F(1, 53) = 1.46
 Prob > F = 0.2316

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(44, 53) = .
 Prob > F = .
 R-squared = 0.0331
 Root MSE = .23398

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0003836	.0001904	-2.02	0.049	-.0007654	-1.82e-06
male	.0014538	.001718	0.85	0.401	-.0019921	.0048998
gendermiss_flag	-.2030432	.0114891	-17.67	0.000	-.2260874	-.179999
tsd_age	-.0018995	.0002617	-7.26	0.000	-.0024244	-.0013745
doage2	-.0001393	.0001838	-0.76	0.452	-.0005079	.0002294
doage2miss_flag	-.0745722	.0073583	-10.13	0.000	-.0893311	-.0598133
race_a	.0046152	.0125059	0.37	0.714	-.0204685	.029699
race_b	.0138946	.0023676	5.87	0.000	.0091457	.0186435
race_h	-.0011011	.0060406	-0.18	0.856	-.0132171	.0110148
race_i	-.0009523	.0121005	-0.08	0.938	-.0252228	.0233182
race_o	.0117155	.0176223	0.66	0.509	-.0236305	.0470614
race_mis	.0019985	.005697	0.35	0.727	-.0094282	.0134252
tsd_edu_hs	.0020513	.0018478	1.11	0.272	-.0016549	.0057575
tsd_edu_mrhs	.0212206	.0030101	7.05	0.000	.0151831	.0272581
tsd_edu_mis	.0049215	.0022426	2.19	0.033	.0004234	.0094195
tsd_mie_exp	.0057426	.0043768	1.31	0.195	-.0030361	.0145213
tsd_mie_mis	-.0059872	.0025449	-2.35	0.022	-.0110917	-.0008828
tsd_mie_psbl	.0061433	.0027823	2.21	0.032	.0005626	.011724
tsd_medicare	-.024747	.0028028	-8.83	0.000	-.0303687	-.0191253
tsd_medicare_miss	-.0378367	.0076736	-4.93	0.000	-.053228	-.0224454
tsd_depend_1	-.0067634	.0030937	-2.19	0.033	-.0129686	-.0005582
tsd_depend_2	.0004244	.0022317	0.19	0.850	-.0040517	.0049006
tsd_depend_miss	-.0330843	.004482	-7.38	0.000	-.0420741	-.0240945
tsd_vrpr	-.0428595	.0062189	-6.89	0.000	-.055333	-.0303859
tsd_vrpr_miss	-.084039	.0066421	-12.65	0.000	-.0973614	-.0707166
pdcgrou2	-.0099219	.0039223	-2.53	0.014	-.017789	-.0020549
pdcgrou3	-.0090305	.0044363	-2.04	0.047	-.0179285	-.0001325
pdcgrou4	-.0088944	.003298	-2.70	0.009	-.0155095	-.0022794
pdcgrou5	.0001863	.019697	0.01	0.992	-.0393208	.0396934
cohort2000	-.0091361	.0040163	-2.27	0.027	-.0171919	-.0010804
cohort2001	-.0142731	.0068087	-2.10	0.041	-.0279296	-.0006166
cohort2002	-.0157383	.0094746	-1.66	0.103	-.034742	.0032653
cohort2003	.0131593	.0214219	0.61	0.542	-.0298076	.0561262
cohort2004	-.0109479	.0218368	-0.50	0.618	-.054747	.0328511
award_b4_tsd	.0143772	.0104372	1.38	0.174	-.0065573	.0353116
diaward_tsd	-.0006368	.0002823	-2.26	0.028	-.001203	-.0000707
epeb4twp_flag	.0310187	.138553	0.22	0.824	-.2468835	.3089209
ldwb4twp_flag	.4186767	.120766	3.47	0.001	.1764508	.6609025
ldwb4epe_flag	.2339414	.0281436	8.31	0.000	.1774924	.2903904
twpb4tsd	-.0465004	.008766	-5.30	0.000	-.0640827	-.0289181
epeb4tsd	-.0513301	.003688	-13.92	0.000	-.0587273	-.043933
ldwb4tsd	-.0245374	.0028071	-8.74	0.000	-.0301677	-.0189071
st_AL	.0381834	.004925	7.75	0.000	.0283052	.0480617

st_AR	-.0072184	.0049327	-1.46	0.149	-.0171123	.0026754
st_AZ	-.0029791	.0051109	-0.58	0.562	-.0132303	.0072721
st_CA	.0267148	.00487	5.49	0.000	.0169469	.0364827
st_CO	-.044769	.0049659	-9.02	0.000	-.0547294	-.0348086
st_CT	.0160703	.0048312	3.33	0.002	.0063802	.0257604
st_DC	-.0048811	.0051637	-0.95	0.349	-.0152382	.005476
st_DE	.012186	.0048745	2.50	0.016	.002409	.021963
st_FL	.0125674	.0049278	2.55	0.014	.0026834	.0224514
st_GA	-.003756	.0050176	-0.75	0.457	-.01382	.006308
st_HI	-.0564939	.0054358	-10.39	0.000	-.0673967	-.0455912
st_IA	.0011746	.0050786	0.23	0.818	-.0090118	.0113609
st_ID	.054358	.0056043	9.70	0.000	.0431173	.0655988
st_IL	-.0166077	.0049283	-3.37	0.001	-.0264926	-.0067227
st_IN	.0014007	.0048656	0.29	0.775	-.0083584	.0111598
st_KS	.0151	.0048633	3.10	0.003	.0053455	.0248545
st_KY	-.0143699	.0049423	-2.91	0.005	-.0242829	-.0044568
st_LA	.0005543	.0049065	0.11	0.910	-.0092869	.0103955
st_MA	.0471324	.0049927	9.44	0.000	.0371182	.0571466
st_MD	.0023557	.0049655	0.47	0.637	-.0076038	.0123153
st_ME	-.0565707	.0052691	-10.74	0.000	-.0671392	-.0460022
st_MI	.0002554	.004869	0.05	0.958	-.0095105	.0100214
st_MN	.0329909	.0050162	6.58	0.000	.0229297	.0430521
st_MO	.0025675	.0048793	0.53	0.601	-.0072191	.0123542
st_MS	-.0109875	.0049848	-2.20	0.032	-.0209857	-.0009893
st_MT	-.0029292	.0050091	-0.58	0.561	-.0129762	.0071179
st_NC	.0556124	.0049366	11.27	0.000	.0457108	.065514
st_ND	-.0089697	.0050898	-1.76	0.084	-.0191785	.0012392
st_NE	.0185666	.0054915	3.38	0.001	.0075519	.0295812
st_NH	.0329683	.0048742	6.76	0.000	.023192	.0427447
st_NJ	.0058573	.004862	1.20	0.234	-.0038947	.0156093
st_NM	.0022967	.0050928	0.45	0.654	-.0079182	.0125115
st_NV	.0091395	.0048675	1.88	0.066	-.0006236	.0189025
st_NY	.0085112	.0048356	1.76	0.084	-.0011878	.0182101
st_OH	-.0261381	.0049323	-5.30	0.000	-.036031	-.0162452
st_OK	.0217016	.0049676	4.37	0.000	.0117379	.0316653
st_OR	.0164444	.005074	3.24	0.002	.0062674	.0266215
st_PA	-.0010256	.0048847	-0.21	0.835	-.010823	.0087718
st_PR	-.0302033	.0062683	-4.82	0.000	-.042776	-.0176307
st_RI	.1510216	.0087554	17.25	0.000	.1334605	.1685827
st_SC	-.0307975	.0049695	-6.20	0.000	-.0407652	-.0208299
st_SD	-.0100361	.0050228	-2.00	0.051	-.0201105	.0000382
st_TN	-.0070258	.0049371	-1.42	0.161	-.0169283	.0028768
st_TX	-.0032966	.004979	-0.66	0.511	-.0132833	.00669
st_UT	-.0344675	.0052407	-6.58	0.000	-.044979	-.0239559
st_VA	.0060039	.004876	1.23	0.224	-.0037761	.015784
st_VT	.0831573	.0055672	14.94	0.000	.0719909	.0943238
st_WA	.0678094	.0049636	13.66	0.000	.0578538	.0777651
st_WI	-.0176008	.0050442	-3.49	0.001	-.0277183	-.0074833
st_WV	.0576863	.0049846	11.57	0.000	.0476885	.0676841
st_WY	.2520812	.0050469	49.95	0.000	.2419584	.2622041
pial	.0000367	9.32e-06	3.93	0.000	.000018	.0000554
pia_miss	.0186251	.0067575	2.76	0.008	.0050713	.0321789
ime1	-.0000108	2.43e-06	-4.46	0.000	-.0000157	-5.96e-06
ime_miss	-.0323913	.0032969	-9.82	0.000	-.039004	-.0257785
_cons	.2397987	.0146878	16.33	0.000	.2103387	.2692588

(1) motoimm = 0

F(1, 53) = 4.06
 Prob > F = 0.0490

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(44, 53) = .
 Prob > F = .
 R-squared = 0.0438
 Root MSE = .2669

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll36	Robust					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.000422	.0001957	-2.16	0.036	-.0008145	-.0000296
male	.0014326	.00185	0.77	0.442	-.002278	.0051431
gendermiss_flag	-.2620388	.0128282	-20.43	0.000	-.2877689	-.2363087
tsd_age	-.0026925	.0004025	-6.69	0.000	-.0034998	-.0018852
doage2	-.0000771	.0002497	-0.31	0.759	-.000578	.0004237
doage2miss_flag	-.1089407	.0101499	-10.73	0.000	-.1292988	-.0885827
race_a	.0051337	.0124318	0.41	0.681	-.0198014	.0300687
race_b	.0147855	.0024074	6.14	0.000	.0099569	.0196141
race_h	-.0005971	.0065102	-0.09	0.927	-.013655	.0124607
race_i	-.0039085	.0134859	-0.29	0.773	-.0309578	.0231408
race_o	.0073181	.017205	0.43	0.672	-.0271908	.041827
race_mis	-.0033388	.0063295	-0.53	0.600	-.0160343	.0093566
tsd_edu_hs	.002695	.0020671	1.30	0.198	-.001451	.0068411
tsd_edu_mrhs	.0278224	.0040014	6.95	0.000	.0197966	.0358482
tsd_edu_mis	.0058884	.0024274	2.43	0.019	.0010196	.0107572
tsd_mie_exp	.0127296	.0043343	2.94	0.005	.0040361	.0214223
tsd_mie_mis	-.0038807	.0023554	-1.65	0.105	-.008605	.0008435
tsd_mie_psbl	.0101068	.0025205	4.01	0.000	.0050513	.0151622
tsd_medicare	-.028711	.003198	-8.98	0.000	-.0351254	-.0222966
tsd_medicare_miss	-.0561249	.0082206	-6.83	0.000	-.0726133	-.0396364
tsd_depend_1	-.007871	.0031086	-2.53	0.014	-.0141061	-.001636
tsd_depend_2	.0022042	.0023218	0.95	0.347	-.0024528	.0068612
tsd_depend_miss	-.0460968	.0054155	-8.51	0.000	-.0569589	-.0352347
tsd_vrpr	-.063624	.0059965	-10.61	0.000	-.0756514	-.0515965
tsd_vrpr_miss	-.1175972	.0062964	-18.68	0.000	-.1302261	-.1049683
pdcgrou2	-.0186466	.0042054	-4.43	0.000	-.0270816	-.0102116
pdcgrou3	-.0131173	.0047778	-2.75	0.008	-.0227004	-.0035343
pdcgrou4	-.0154926	.0039049	-3.97	0.000	-.0233248	-.0076605
pdcgrou5	-.0100582	.0284134	-0.35	0.725	-.0670482	.0469317
cohort2000	-.0093959	.0049129	-1.91	0.061	-.0192501	.0004582
cohort2001	-.0094614	.0078486	-1.21	0.233	-.0252037	.006281
cohort2002	-.010438	.0116047	-0.90	0.372	-.0337141	.012838
cohort2003	.0413863	.0228086	1.81	0.075	-.0043619	.0871346
cohort2004	.0332476	.0186344	1.78	0.080	-.0041283	.0706235
award_b4_tsd	.016881	.0108569	1.55	0.126	-.0048952	.0386573
diaward_tsd	-.0004586	.0003406	-1.35	0.184	-.0011419	.0002246
epeb4twp_flag	-.0537556	.1407267	-0.38	0.704	-.3360176	.2285065
ldwb4twp_flag	.5971442	.1255945	4.75	0.000	.3452335	.8490548
ldwb4epe_flag	.3438404	.0414736	8.29	0.000	.2606549	.4270259
twpb4tsd	-.0694515	.0086251	-8.05	0.000	-.0867512	-.0521518
epeb4tsd	-.0666752	.0043368	-15.37	0.000	-.0753738	-.0579766
ldwb4tsd	-.0327211	.0034545	-9.47	0.000	-.0396499	-.0257924
st_AL	.0269418	.0072164	3.73	0.000	.0124675	.0414161
st_AR	-.0115139	.0071543	-1.61	0.113	-.0258636	.0028359
st_AZ	.0066779	.0073838	0.90	0.370	-.0081322	.021488
st_CA	.0169442	.0070995	2.39	0.021	.0027044	.031184
st_CO	-.0718266	.0072445	-9.91	0.000	-.0863572	-.0572959

st_CT	.0114678	.0070718	1.62	0.111	-.0027165	.0256521
st_DC	-.0137742	.0075265	-1.83	0.073	-.0288704	.001322
st_DE	.0196417	.0070872	2.77	0.008	.0054266	.0338569
st_FL	.0130803	.0072247	1.81	0.076	-.0014105	.0275712
st_GA	-.0130143	.0072729	-1.79	0.079	-.0276018	.0015733
st_HI	-.0837333	.007683	-10.90	0.000	-.0991434	-.0683233
st_IA	.0266841	.0072279	3.69	0.001	.0121868	.0411815
st_ID	.0293261	.0074623	3.93	0.000	.0143587	.0442935
st_IL	-.0198147	.0071331	-2.78	0.008	-.0341218	-.0055075
st_IN	-.0099423	.0070404	-1.41	0.164	-.0240637	.004179
st_KS	.0187725	.0070408	2.67	0.010	.0046504	.0328946
st_KY	-.0196016	.007108	-2.76	0.008	-.0338585	-.0053448
st_LA	-.0022187	.0071668	-0.31	0.758	-.0165935	.012156
st_MA	.0447825	.0072406	6.18	0.000	.0302596	.0593054
st_MD	.0425782	.0072018	5.91	0.000	.0281332	.0570232
st_ME	-.084536	.0073253	-11.54	0.000	-.0992286	-.0698433
st_MI	-.0075078	.007105	-1.06	0.295	-.0217586	.006743
st_MN	.0025068	.0071663	0.35	0.728	-.0118669	.0168805
st_MO	-.0041148	.0070777	-0.58	0.563	-.0183108	.0100813
st_MS	-.0192063	.007193	-2.67	0.010	-.0336337	-.0047789
st_MT	-.0138058	.0071192	-1.94	0.058	-.0280852	.0004735
st_NC	.0253813	.0071856	3.53	0.001	.0109688	.0397938
st_ND	-.0033168	.0071443	-0.46	0.644	-.0176465	.0110129
st_NE	-.0201793	.0074922	-2.69	0.009	-.0352068	-.0051518
st_NH	.0441074	.0070336	6.27	0.000	.0299997	.058215
st_NJ	.0002977	.0071425	0.04	0.967	-.0140283	.0146237
st_NM	-.0007755	.007334	-0.11	0.916	-.0154857	.0139347
st_NV	.0038682	.0071634	0.54	0.591	-.0104999	.0182362
st_NY	.0136809	.0071479	1.91	0.061	-.0006559	.0280177
st_OH	-.055707	.0070552	-7.90	0.000	-.069858	-.041556
st_OK	.0437037	.007114	6.14	0.000	.0294349	.0579725
st_OR	.0293099	.0071813	4.08	0.000	.0149061	.0437138
st_PA	-.0295344	.0071201	-4.15	0.000	-.0438156	-.0152532
st_PR	-.0516473	.0083689	-6.17	0.000	-.0684331	-.0348615
st_RI	.1335977	.0111523	11.98	0.000	.1112289	.1559664
st_SC	-.0585403	.007251	-8.07	0.000	-.073084	-.0439966
st_SD	-.0164455	.0071164	-2.31	0.025	-.0307192	-.0021718
st_TN	-.0154983	.0071478	-2.17	0.035	-.0298349	-.0011617
st_TX	-.0135968	.0072027	-1.89	0.065	-.0280436	.00085
st_UT	-.0531225	.0072141	-7.36	0.000	-.0675923	-.0386528
st_VA	.0005973	.0071331	0.08	0.934	-.0137099	.0149046
st_VT	.0558107	.0075434	7.40	0.000	.0406806	.0709408
st_WA	.0361028	.0071822	5.03	0.000	.0216972	.0505084
st_WI	-.0135036	.0071641	-1.88	0.065	-.0278731	.0008658
st_WV	.0308719	.0072337	4.27	0.000	.0163629	.0453808
st_WY	.2125496	.0071953	29.54	0.000	.1981178	.2269815
pial	.0000425	.0000116	3.66	0.001	.0000192	.0000657
pia_miss	.0308477	.0082243	3.75	0.000	.0143519	.0473435
ime1	-.0000142	2.99e-06	-4.76	0.000	-.0000202	-8.22e-06
ime_miss	-.0452272	.0032319	-13.99	0.000	-.0517095	-.0387449
_cons	.3228025	.0170879	18.89	0.000	.2885286	.3570764

(1) motoimm = 0

F(1, 53) = 4.65
 Prob > F = 0.0356

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161

F(44, 53) = .
 Prob > F = .
 R-squared = 0.0513
 Root MSE = .28533

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0003567	.0002304	-1.55	0.128	-.0008189	.0001055
male	.0013296	.0020859	0.64	0.527	-.0028543	.0055135
gendermiss_flag	-.3156419	.0153375	-20.58	0.000	-.3464051	-.2848787
tsd_age	-.0033459	.0003829	-8.74	0.000	-.0041139	-.002578
doage2	-.0000622	.0002454	-0.25	0.801	-.0005544	.0004301
doage2miss_flag	-.1355807	.0122098	-11.10	0.000	-.1600704	-.1110909
race_a	.0055545	.0134686	0.41	0.682	-.0214601	.032569
race_b	.0159759	.0019207	8.32	0.000	.0121235	.0198282
race_h	-.0009915	.0061579	-0.16	0.873	-.0133428	.0113597
race_i	-.001244	.014241	-0.09	0.931	-.0298078	.0273197
race_o	.0037612	.0181915	0.21	0.837	-.0327265	.0402488
race_mis	-.0092184	.0066357	-1.39	0.171	-.0225279	.0040912
tsd_edu_hs	.0037503	.0024474	1.53	0.131	-.0011587	.0086592
tsd_edu_mrhs	.0326692	.0042252	7.73	0.000	.0241945	.041144
tsd_edu_mis	.0070748	.0024443	2.89	0.006	.0021723	.0119774
tsd_mie_exp	.0129999	.0053032	2.45	0.018	.0023629	.0236368
tsd_mie_mis	-.0027858	.0024076	-1.16	0.252	-.0076149	.0020434
tsd_mie_psbl	.0120475	.0030785	3.91	0.000	.0058728	.0182221
tsd_medicare	-.0319458	.0032358	-9.87	0.000	-.038436	-.0254556
tsd_medicare_miss	-.0610885	.009243	-6.61	0.000	-.0796276	-.0425495
tsd_depend_1	-.006182	.0032271	-1.92	0.061	-.0126547	.0002907
tsd_depend_2	.0055282	.0025119	2.20	0.032	.0004899	.0105665
tsd_depend_miss	-.0506387	.0057234	-8.85	0.000	-.0621184	-.0391591
tsd_vrpr	-.0853504	.0067228	-12.70	0.000	-.0988346	-.0718661
tsd_vrpr_miss	-.1449396	.0073036	-19.84	0.000	-.1595888	-.1302905
pdcgrou2	-.025615	.0047377	-5.41	0.000	-.0351176	-.0161125
pdcgrou3	-.013966	.0057713	-2.42	0.019	-.0255418	-.0023901
pdcgrou4	-.02019	.0047746	-4.23	0.000	-.0297665	-.0106134
pdcgrou5	-.02536	.0285365	-0.89	0.378	-.0825969	.031877
cohort2000	-.0102861	.005069	-2.03	0.047	-.0204531	-.0001191
cohort2001	-.012745	.0077998	-1.63	0.108	-.0283894	.0028993
cohort2002	-.0147637	.0115361	-1.28	0.206	-.0379022	.0083748
cohort2003	.0385497	.0239559	1.61	0.114	-.0094997	.0865991
cohort2004	.0406359	.0251311	1.62	0.112	-.0097706	.0910425
award_b4_tsd	.0213493	.0114633	1.86	0.068	-.0016431	.0443417
diaward_tsd	-.0005213	.0003574	-1.46	0.151	-.001238	.0001955
epeb4twp_flag	.1090909	.0631748	1.73	0.090	-.0176217	.2358035
ldwb4twp_flag	.7239804	.1101651	6.57	0.000	.5030172	.9449435
ldwb4epe_flag	.3807373	.0394982	9.64	0.000	.3015139	.4599607
twpb4tsd	-.0846682	.0085322	-9.92	0.000	-.1017816	-.0675547
epeb4tsd	-.0763296	.0049515	-15.42	0.000	-.0862611	-.0663981
ldwb4tsd	-.038457	.003999	-9.62	0.000	-.046478	-.030436
st_AL	.0045754	.008963	0.51	0.612	-.013402	.0225528
st_AR	-.0191126	.0088737	-2.15	0.036	-.036911	-.0013143
st_AZ	.0160845	.0090389	1.78	0.081	-.0020451	.0342142
st_CA	-.0047193	.008851	-0.53	0.596	-.0224722	.0130336
st_CO	-.0387607	.0089291	-4.34	0.000	-.0566702	-.0208512
st_CT	.0067012	.0087878	0.76	0.449	-.0109248	.0243272
st_DC	-.0182784	.0092134	-1.98	0.052	-.0367581	.0002013
st_DE	-.0011663	.0088546	-0.13	0.896	-.0189265	.0165938
st_FL	.011583	.0089501	1.29	0.201	-.0063685	.0295345
st_GA	-.0244315	.0089508	-2.73	0.009	-.0423846	-.0064784
st_HI	-.1043513	.0092297	-11.31	0.000	-.1228637	-.0858388

st_IA	.0456809	.0089165	5.12	0.000	.0277967	.0635652
st_ID	.0100793	.00921	1.09	0.279	-.0083936	.0285522
st_IL	-.0062983	.0088567	-0.71	0.480	-.0240625	.011466
st_IN	-.0129176	.0088076	-1.47	0.148	-.0305833	.0047481
st_KS	.0121219	.0087863	1.38	0.173	-.0055012	.0297449
st_KY	-.0268866	.0088392	-3.04	0.004	-.0446159	-.0091573
st_LA	-.0079973	.0088649	-0.90	0.371	-.0257781	.0097834
st_MA	.0658309	.0090109	7.31	0.000	.0477573	.0839045
st_MD	.0221451	.0090068	2.46	0.017	.0040796	.0402105
st_ME	-.1055321	.0091623	-11.52	0.000	-.1239093	-.087155
st_MI	-.0169171	.0088155	-1.92	0.060	-.0345988	.0007645
st_MN	-.020115	.0089862	-2.24	0.029	-.038139	-.002091
st_MO	-.0089508	.0088267	-1.01	0.315	-.0266548	.0087533
st_MS	-.0284686	.0089195	-3.19	0.002	-.0463588	-.0105784
st_MT	-.0175116	.0088623	-1.98	0.053	-.0352871	.0002639
st_NC	.0034786	.0089247	0.39	0.698	-.014422	.0213792
st_ND	-.0174796	.0089019	-1.96	0.055	-.0353344	.0003753
st_NE	-.0493833	.0093583	-5.28	0.000	-.0681537	-.0306129
st_NH	.0424933	.0088096	4.82	0.000	.0248235	.060163
st_NJ	-.0077389	.0088621	-0.87	0.386	-.0255141	.0100363
st_NM	-.0076507	.0090023	-0.85	0.399	-.025707	.0104056
st_NV	.0031889	.0088461	0.36	0.720	-.0145542	.020932
st_NY	.0136026	.0088513	1.54	0.130	-.0041509	.0313561
st_OH	-.0782931	.0088043	-8.89	0.000	-.0959523	-.0606339
st_OK	.0595373	.008848	6.73	0.000	.0417903	.0772842
st_OR	.0383394	.0088616	4.33	0.000	.0205652	.0561136
st_PA	-.05133	.0087971	-5.83	0.000	-.0689747	-.0336853
st_PR	-.0685997	.0099448	-6.90	0.000	-.0885465	-.0486529
st_RI	.1202829	.0124584	9.65	0.000	.0952945	.1452713
st_SC	-.0641879	.009015	-7.12	0.000	-.0822697	-.0461061
st_SD	-.020754	.0088133	-2.35	0.022	-.0384312	-.0030768
st_TN	-.0267395	.0088921	-3.01	0.004	-.0445748	-.0089042
st_TX	-.0165032	.0089911	-1.84	0.072	-.0345371	.0015308
st_UT	-.0661985	.0089764	-7.37	0.000	-.0842028	-.0481941
st_VA	-.0056224	.0088555	-0.63	0.528	-.0233843	.0121395
st_VT	.0355271	.0093255	3.81	0.000	.0168225	.0542316
st_WA	.013175	.0089443	1.47	0.147	-.004765	.031115
st_WI	-.0005566	.0089588	-0.06	0.951	-.0185257	.0174124
st_WV	.0093052	.0089478	1.04	0.303	-.0086419	.0272523
st_WY	.1818284	.0093777	19.39	0.000	.1630191	.2006378
pial	.0000433	.0000115	3.77	0.000	.0000203	.0000664
pia_miss	.0313913	.010025	3.13	0.003	.0112836	.051499
ime1	-.000016	3.11e-06	-5.16	0.000	-.0000223	-9.80e-06
ime_miss	-.0509581	.0043061	-11.83	0.000	-.0595951	-.0423212
_cons	.399325	.0199446	20.02	0.000	.3593213	.4393287

(1) motoimm = 0

F(1, 53) = 2.40
 Prob > F = 0.1276

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(44, 53) = .
 Prob > F = .
 R-squared = 0.2926
 Root MSE = .1347

(Std. Err. adjusted for 54 clusters in tsd_state)

srvroll112	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0007848	.0001636	-4.80	0.000	-.0011129 -.0004566
male	-.0006133	.0008484	-0.72	0.473	-.0023149 .0010884
gendermiss_flag	.5761236	.0141045	40.85	0.000	.5478336 .6044136
tsd_age	-.0002981	.0001647	-1.81	0.076	-.0006284 .0000322
doage2	-1.65e-06	.000097	-0.02	0.987	-.0001962 .0001929
doage2miss_flag	-.0135707	.0044702	-3.04	0.004	-.0225368 -.0046047
race_a	.0105912	.0055667	1.90	0.063	-.0005742 .0217565
race_b	.0005577	.0009334	0.60	0.553	-.0013145 .0024298
race_h	-.0025929	.0038702	-0.67	0.506	-.0103555 .0051697
race_i	.0011058	.0063064	0.18	0.861	-.0115432 .0137548
race_o	.0131566	.0101472	1.30	0.200	-.0071962 .0335093
race_mis	.002748	.0048091	0.57	0.570	-.0068977 .0123938
tsd_edu_hs	.0018702	.0011516	1.62	0.110	-.0004397 .0041801
tsd_edu_mrhs	.0041223	.0012337	3.34	0.002	.0016479 .0065967
tsd_edu_mis	.0038855	.0008397	4.63	0.000	.0022013 .0055698
tsd_mie_exp	.0020089	.0024862	0.81	0.423	-.0029778 .0069957
tsd_mie_mis	.0008145	.0012661	0.64	0.523	-.001725 .0033539
tsd_mie_psbl	.0014632	.0009177	1.59	0.117	-.0003775 .003304
tsd_medicare	-.0008708	.0013079	-0.67	0.508	-.0034942 .0017525
tsd_medicare_miss	-.0034175	.0032946	-1.04	0.304	-.0100255 .0031906
tsd_depend_1	-.0034171	.00131	-2.61	0.012	-.0060446 -.0007896
tsd_depend_2	-.002242	.0014389	-1.56	0.125	-.0051281 .0006441
tsd_depend_miss	.0004005	.0042097	0.10	0.925	-.0080431 .0088441
tsd_vrpr	-.3855743	.0171563	-22.47	0.000	-.4199856 -.3511631
tsd_vrpr_miss	-.4065561	.014929	-27.23	0.000	-.4364999 -.3766123
pdcgrou2	-.0033875	.0024072	-1.41	0.165	-.0082157 .0014407
pdcgrou3	-.0010564	.0017138	-0.62	0.540	-.0044939 .002381
pdcgrou4	-.0007361	.0017836	-0.41	0.682	-.0043135 .0028414
pdcgrou5	-.0038659	.0126583	-0.31	0.761	-.0292552 .0215234
cohort2000	.0005025	.0023052	0.22	0.828	-.0041213 .0051262
cohort2001	.0039297	.0034587	1.14	0.261	-.0030076 .0108671
cohort2002	.00387	.0052471	0.74	0.464	-.0066543 .0143943
cohort2003	-.0093532	.0073965	-1.26	0.212	-.0241887 .0054823
cohort2004	-.0362557	.0080652	-4.50	0.000	-.0524324 -.0200789
award_b4_tsd	.008374	.004302	1.95	0.057	-.0002547 .0170027
diaward_tsd	.0000545	.0001365	0.40	0.691	-.0002192 .0003282
epeb4twp_flag	-.0916316	.048419	-1.89	0.064	-.1887477 .0054845
ldwb4twp_flag	.0862363	.0430769	2.00	0.050	-.0001651 .1726377
ldwb4epe_flag	.0146549	.0140567	1.04	0.302	-.0135393 .0428491
twpb4tsd	.0044095	.0013665	3.23	0.002	.0016687 .0071503
epeb4tsd	-.0008253	.0034181	-0.24	0.810	-.0076811 .0060305
ldwb4tsd	-.0006863	.0048846	-0.14	0.889	-.0104836 .009111
st_AL	.0199162	.0016273	12.24	0.000	.0166522 .0231801
st_AR	.0127441	.0012061	10.57	0.000	.0103249 .0151632
st_AZ	.0110675	.0012436	8.90	0.000	.0085732 .0135618
st_CA	.0285374	.001602	17.81	0.000	.0253243 .0317505
st_CO	.011673	.0013112	8.90	0.000	.0090431 .0143028
st_CT	.0153077	.0010801	14.17	0.000	.0131414 .0174741
st_DC	-.0015693	.0013008	-1.21	0.233	-.0041785 .0010398
st_DE	.0006352	.0012635	0.50	0.617	-.001899 .0031695
st_FL	.0026613	.0012662	2.10	0.040	.0001216 .005201
st_GA	.0125325	.0011443	10.95	0.000	.0102373 .0148276
st_HI	.0025335	.0014488	1.75	0.086	-.0003724 .0054394
st_IA	.0207532	.001396	14.87	0.000	.0179532 .0235532
st_ID	.0035507	.0020452	1.74	0.088	-.0005513 .0076528
st_IL	.0037794	.0013626	2.77	0.008	.0010465 .0065124
st_IN	.0103292	.0011339	9.11	0.000	.0080549 .0126035
st_KS	.0062474	.0011208	5.57	0.000	.0039993 .0084955
st_KY	.0044133	.0012061	3.66	0.001	.0019941 .0068325

st_LA	.0163461	.0011841	13.80	0.000	.013971	.0187212
st_MA	.0036332	.0015101	2.41	0.020	.0006043	.0066621
st_MD	.0199822	.0013805	14.47	0.000	.0172133	.0227511
st_ME	.0026151	.0016972	1.54	0.129	-.0007891	.0060192
st_MI	.0132111	.0010978	12.03	0.000	.0110092	.0154129
st_MN	.016164	.0017824	9.07	0.000	.0125889	.0197392
st_MO	.0132651	.0011474	11.56	0.000	.0109637	.0155665
st_MS	.0095491	.0012265	7.79	0.000	.0070891	.012009
st_MT	.0042434	.001011	4.20	0.000	.0022157	.0062711
st_NC	.0023358	.0012334	1.89	0.064	-.0001381	.0048098
st_ND	.012313	.0011731	10.50	0.000	.00996	.014666
st_NE	-.0924867	.003619	-25.56	0.000	-.0997455	-.085228
st_NH	.0094611	.0011982	7.90	0.000	.0070578	.0118645
st_NJ	.0068188	.0011686	5.83	0.000	.0044748	.0091628
st_NM	.0071056	.0014017	5.07	0.000	.0042942	.009917
st_NV	.0109538	.0010913	10.04	0.000	.008765	.0131427
st_NY	.0124335	.0012913	9.63	0.000	.0098434	.0150235
st_OH	.0002443	.0015134	0.16	0.872	-.0027913	.0032798
st_OK	.0383831	.0011474	33.45	0.000	.0360817	.0406844
st_OR	.0120399	.0012517	9.62	0.000	.0095293	.0145505
st_PA	-.008622	.0009802	-8.80	0.000	-.0105879	-.006656
st_PR	-.0319235	.0033936	-9.41	0.000	-.0387302	-.0251168
st_RI	-.0029719	.0028709	-1.04	0.305	-.0087303	.0027865
st_SC	-.0051933	.001428	-3.64	0.001	-.0080575	-.002329
st_SD	.0226584	.0010371	21.85	0.000	.0205782	.0247386
st_TN	.0165919	.0012156	13.65	0.000	.0141537	.0190301
st_TX	.0285267	.001281	22.27	0.000	.0259574	.0310961
st_UT	.0016713	.0023568	0.71	0.481	-.0030558	.0063983
st_VA	.0131267	.0011738	11.18	0.000	.0107724	.015481
st_VT	.0201125	.0017479	11.51	0.000	.0166067	.0236184
st_WA	.0065495	.0012736	5.14	0.000	.0039949	.009104
st_WI	.0166054	.0014108	11.77	0.000	.0137756	.0194351
st_WV	-.0126922	.0020778	-6.11	0.000	-.0168596	-.0085247
st_WY	.5329955	.0053477	99.67	0.000	.5222695	.5437216
pial	8.44e-06	4.55e-06	1.85	0.070	-7.00e-07	.0000176
pia_miss	.002204	.0057159	0.39	0.701	-.0092606	.0136687
ime1	-9.66e-07	1.38e-06	-0.70	0.488	-3.74e-06	1.81e-06
ime_miss	-.0043004	.0015553	-2.76	0.008	-.0074199	-.0011808
_cons	.4059241	.0169677	23.92	0.000	.3718911	.4399571

(1) motoimm = 0

F(1, 53) = 23.01
 Prob > F = 0.0000

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(44, 53) = .
 Prob > F = .
 R-squared = 0.4542
 Root MSE = .15247

(Std. Err. adjusted for 54 clusters in tsd_state)

srvroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0005697	.0001731	-3.29	0.002	-.000917	-.0002225
male	-.0005316	.0008883	-0.60	0.552	-.0023133	.00125

gendermiss_flag	.3313935	.0130584	25.38	0.000	.3052018	.3575853
tsd_age	-.0008264	.0001848	-4.47	0.000	-.0011971	-.0004558
doage2	.0000218	.0001637	0.13	0.894	-.0003065	.0003502
doage2miss_flag	-.0368759	.003777	-9.76	0.000	-.0444516	-.0293002
race_a	.0046069	.0047734	0.97	0.339	-.0049674	.0141812
race_b	.0008226	.0013312	0.62	0.539	-.0018475	.0034927
race_h	-.0027556	.0038032	-0.72	0.472	-.0103838	.0048726
race_i	-.0040421	.006734	-0.60	0.551	-.0175489	.0094647
race_o	.0122853	.0113957	1.08	0.286	-.0105715	.0351422
race_mis	.0067993	.004925	1.38	0.173	-.0030791	.0166776
tsd_edu_hs	.0040474	.001305	3.10	0.003	.0014299	.006665
tsd_edu_mrhs	.0096657	.0021379	4.52	0.000	.0053776	.0139537
tsd_edu_mis	.0062323	.0013961	4.46	0.000	.0034321	.0090325
tsd_mie_exp	-.0043349	.0039922	-1.09	0.282	-.0123422	.0036725
tsd_mie_mis	-.0029328	.0018913	-1.55	0.127	-.0067263	.0008607
tsd_mie_psbl	-.0020694	.0016378	-1.26	0.212	-.0053545	.0012157
tsd_medicare	-.0027241	.0015211	-1.79	0.079	-.0057751	.0003268
tsd_medicare_mis	-.0025677	.0041481	-0.62	0.539	-.0108878	.0057524
tsd_depend_1	-.0027581	.0013129	-2.10	0.040	-.0053915	-.0001247
tsd_depend_2	-.0016307	.0013258	-1.23	0.224	-.0042899	.0010286
tsd_depend_miss	-.0027756	.0049563	-0.56	0.578	-.0127166	.0071654
tsd_vrpr	-.616129	.0149188	-41.30	0.000	-.6460524	-.5862056
tsd_vrpr_miss	-.6529331	.0116068	-56.25	0.000	-.6762134	-.6296529
pdcgrou2	-.0025986	.0025722	-1.01	0.317	-.0077578	.0025606
pdcgrou3	-.0023156	.0021429	-1.08	0.285	-.0066138	.0019825
pdcgrou4	.0005978	.0020117	0.30	0.768	-.0034372	.0046328
pdcgrou5	-.0126614	.0098877	-1.28	0.206	-.0324936	.0071709
cohort2000	-.0025875	.0020685	-1.25	0.216	-.0067365	.0015614
cohort2001	-.0044752	.0037599	-1.19	0.239	-.0120165	.0030662
cohort2002	-.0070671	.0054337	-1.30	0.199	-.0179658	.0038316
cohort2003	-.010602	.0097455	-1.09	0.282	-.0301491	.0089451
cohort2004	-.0517818	.0103733	-4.99	0.000	-.0725879	-.0309756
award_b4_tsd	.0004232	.0040005	0.11	0.916	-.0076008	.0084472
diaward_tsd	-.0002072	.0001677	-1.24	0.222	-.0005435	.0001291
epeb4twp_flag	-.1485285	.0756058	-1.96	0.055	-.3001746	.0031176
ldwb4twp_flag	.1258804	.0796502	1.58	0.120	-.0338775	.2856384
ldwb4epe_flag	.0282203	.0232394	1.21	0.230	-.0183921	.0748326
twpb4tsd	.0066607	.0026416	2.52	0.015	.0013624	.011959
epeb4tsd	-.0033224	.0031971	-1.04	0.303	-.0097349	.0030901
ldwb4tsd	-.0070442	.0054289	-1.30	0.200	-.0179332	.0038448
st_AL	.0184302	.0016999	10.84	0.000	.0150206	.0218398
st_AR	.0015651	.0013781	1.14	0.261	-.0011991	.0043292
st_AZ	.0032614	.0015247	2.14	0.037	.0002032	.0063196
st_CA	.0308445	.0016632	18.55	0.000	.0275086	.0341804
st_CO	.0210883	.0015128	13.94	0.000	.0180539	.0241227
st_CT	.0072626	.0012485	5.82	0.000	.0047585	.0097667
st_DC	-.0119086	.0015547	-7.66	0.000	-.015027	-.0087903
st_DE	.0085086	.0014564	5.84	0.000	.0055874	.0114298
st_FL	.0167269	.0013402	12.48	0.000	.0140387	.019415
st_GA	.0043066	.0012961	3.32	0.002	.001707	.0069062
st_HI	-.0104389	.0016083	-6.49	0.000	-.0136648	-.007213
st_IA	.0250427	.0014312	17.50	0.000	.022172	.0279134
st_ID	-.0122644	.0021637	-5.67	0.000	-.0166042	-.0079246
st_IL	-.0014167	.0017313	-0.82	0.417	-.0048892	.0020558
st_IN	.0004773	.0013391	0.36	0.723	-.0022085	.0031632
st_KS	.0034112	.0014027	2.43	0.018	.0005978	.0062247
st_KY	-.0040518	.00133	-3.05	0.004	-.0067195	-.0013842
st_LA	.0091882	.0013945	6.59	0.000	.0063912	.0119853
st_MA	-.0072985	.0017403	-4.19	0.000	-.0107892	-.0038079
st_MD	.0166241	.0015402	10.79	0.000	.0135348	.0197134
st_ME	-.0155957	.0018458	-8.45	0.000	-.019298	-.0118935
st_MI	.0056865	.0012642	4.50	0.000	.0031509	.0082221
st_MN	.0023104	.0019588	1.18	0.243	-.0016185	.0062393

st_MO	.0035442	.0013566	2.61	0.012	.0008231	.0062652
st_MS	.0009869	.0014558	0.68	0.501	-.0019331	.0039069
st_MT	.000688	.0012684	0.54	0.590	-.0018561	.0032321
st_NC	-.0160207	.0013327	-12.02	0.000	-.0186937	-.0133477
st_ND	-.0121837	.0014762	-8.25	0.000	-.0151445	-.0092228
st_NE	.0530576	.0029128	18.22	0.000	.0472153	.0588999
st_NH	-.0023232	.0013519	-1.72	0.092	-.0050348	.0003884
st_NJ	-.002696	.0013831	-1.95	0.057	-.0054701	.0000782
st_NM	-.0069565	.0016123	-4.31	0.000	-.0101904	-.0037227
st_NV	.0001515	.0013413	0.11	0.910	-.0025387	.0028418
st_NY	.0117246	.0014605	8.03	0.000	.0087952	.014654
st_OH	-.0016099	.0015417	-1.04	0.301	-.0047022	.0014824
st_OK	.0400843	.0013286	30.17	0.000	.0374194	.0427491
st_OR	-.0150268	.0017578	-8.55	0.000	-.0185524	-.0115011
st_PA	-.0385565	.0014083	-27.38	0.000	-.0413812	-.0357318
st_PR	-.0746213	.0032069	-23.27	0.000	-.0810535	-.0681891
st_RI	-.020914	.0033354	-6.27	0.000	-.0276039	-.0142241
st_SC	-.0039925	.001515	-2.64	0.011	-.0070311	-.0009538
st_SD	.0353021	.0013145	26.86	0.000	.0326656	.0379386
st_TN	.0115347	.0013652	8.45	0.000	.0087964	.014273
st_TX	.0126023	.0014074	8.95	0.000	.0097794	.0154253
st_UT	-.0160388	.0029018	-5.53	0.000	-.0218591	-.0102186
st_VA	.0063467	.0013598	4.67	0.000	.0036192	.0090742
st_VT	-.0053703	.0018561	-2.89	0.006	-.0090932	-.0016474
st_WA	.0040946	.0012811	3.20	0.002	.001525	.0066641
st_WI	.0076802	.0015544	4.94	0.000	.0045624	.010798
st_WV	-.0379365	.0023593	-16.08	0.000	-.0426686	-.0332044
st_WY	.4345717	.0040146	108.25	0.000	.4265194	.4426241
pial	6.06e-06	5.83e-06	1.04	0.303	-5.62e-06	.0000177
pia_miss	-.0000921	.0071053	-0.01	0.990	-.0143435	.0141592
ime1	-9.33e-07	1.69e-06	-0.55	0.583	-4.32e-06	2.46e-06
ime_miss	-.0023665	.0024054	-0.98	0.330	-.0071911	.002458
_cons	.6935644	.0152723	45.41	0.000	.6629321	.7241967

(1) motoimm = 0

F(1, 53) = 10.83
 Prob > F = 0.0018

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(44, 53) = .
 Prob > F = .
 R-squared = 0.5668
 Root MSE = .15394

(Std. Err. adjusted for 54 clusters in tsd_state)

srvroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0002341	.0001858	-1.26	0.213	-.0006068	.0001386
male	.0005725	.0007514	0.76	0.449	-.0009346	.0020796
gendermiss_flag	.1509971	.010626	14.21	0.000	.129684	.1723102
tsd_age	-.0009035	.0001887	-4.79	0.000	-.001282	-.000525
doage2	-.000021	.0001193	-0.18	0.861	-.0002603	.0002182
doage2miss_flag	-.0490061	.0041514	-11.80	0.000	-.0573326	-.0406795
race_a	.0017404	.0046941	0.37	0.712	-.0076747	.0111556
race_b	.0008116	.0012667	0.64	0.524	-.0017291	.0033524

race_h	-.003058	.0038304	-0.80	0.428	-.0107408	.0046248
race_i	-.0055513	.0055576	-1.00	0.322	-.0166985	.0055959
race_o	.0066079	.0113665	0.58	0.563	-.0161905	.0294062
race_mis	.0046683	.005135	0.91	0.367	-.0056311	.0149677
tsd_edu_hs	.0066619	.0015606	4.27	0.000	.0035317	.0097921
tsd_edu_mrhs	.0129962	.0024622	5.28	0.000	.0080578	.0179347
tsd_edu_mis	.0078059	.0016273	4.80	0.000	.004542	.0110697
tsd_mie_exp	-.0067689	.0040708	-1.66	0.102	-.014934	.0013961
tsd_mie_mis	-.0033402	.0018607	-1.80	0.078	-.0070723	.0003918
tsd_mie_psbl	-.0043361	.0015296	-2.83	0.006	-.0074041	-.001268
tsd_medicare	-.0041659	.0016526	-2.52	0.015	-.0074807	-.0008511
tsd_medicare_miss	-.0032177	.0046864	-0.69	0.495	-.0126174	.006182
tsd_depend_1	-.0040909	.0013653	-3.00	0.004	-.0068293	-.0013525
tsd_depend_2	-.0024737	.0016262	-1.52	0.134	-.0057354	.000788
tsd_depend_miss	-.0138797	.0053679	-2.59	0.013	-.0246463	-.003113
tsd_vrpr	-.7776285	.0140603	-55.31	0.000	-.80583	-.7494271
tsd_vrpr_miss	-.8264015	.0090295	-91.52	0.000	-.8445124	-.8082906
pdcgrou2	-.0035734	.0021317	-1.68	0.100	-.0078491	.0007023
pdcgrou3	-.0001394	.0020742	-0.07	0.947	-.0042997	.0040208
pdcgrou4	.0032297	.0019006	1.70	0.095	-.0005824	.0070418
pdcgrou5	-.0295141	.0096521	-3.06	0.003	-.0488737	-.0101545
cohort2000	-.000006	.0018944	-0.03	0.975	-.0038596	.0037397
cohort2001	-.0014856	.0038871	-0.38	0.704	-.0092822	.006311
cohort2002	-.0026197	.005225	-0.50	0.618	-.0130998	.0078603
cohort2003	-.0018686	.010774	-0.17	0.863	-.0234784	.0197413
cohort2004	-.0403393	.0140518	-2.87	0.006	-.0685237	-.0121549
award_b4_tsd	.0023172	.0056582	0.41	0.684	-.0090318	.0136662
diaward_tsd	-.0002039	.0001268	-1.61	0.114	-.0004583	.0000504
epeb4twp_flag	-.1745012	.0848527	-2.06	0.045	-.3446942	-.0043082
ldwb4twp_flag	.1073664	.0721588	1.49	0.143	-.037366	.2520987
ldwb4epe_flag	.0465836	.026583	1.75	0.085	-.0067352	.0999024
twpb4tsd	.0039908	.0027016	1.48	0.146	-.0014279	.0094094
epeb4tsd	.0038396	.0034459	1.11	0.270	-.003072	.0107512
ldwb4tsd	-.0116058	.0044524	-2.61	0.012	-.0205361	-.0026754
st_AL	.01576	.0020894	7.54	0.000	.0115692	.0199507
st_AR	.0007985	.0019258	0.41	0.680	-.0030642	.0046611
st_AZ	.0072425	.0020196	3.59	0.001	.0031918	.0112932
st_CA	.0149914	.0019769	7.58	0.000	.0110262	.0189566
st_CO	.0319348	.0019408	16.45	0.000	.028042	.0358275
st_CT	.008294	.0017172	4.83	0.000	.0048498	.0117382
st_DC	-.0123648	.002083	-5.94	0.000	-.0165427	-.0081868
st_DE	-.0031622	.0021015	-1.50	0.138	-.0073774	.0010529
st_FL	.0211055	.0019293	10.94	0.000	.0172358	.0249751
st_GA	.0043183	.001929	2.24	0.029	.0004493	.0081873
st_HI	-.0138548	.0020226	-6.85	0.000	-.0179116	-.0097981
st_IA	.0403773	.0019968	20.22	0.000	.0363722	.0443823
st_ID	-.0158346	.0022249	-7.12	0.000	-.0202972	-.0113719
st_IL	.008021	.0022297	3.60	0.001	.0035489	.0124931
st_IN	-.0007355	.0017828	-0.41	0.682	-.0043113	.0028404
st_KS	.005142	.0017282	2.98	0.004	.0016757	.0086084
st_KY	-.0045873	.0018427	-2.49	0.016	-.0082832	-.0008914
st_LA	.0103102	.0021066	4.89	0.000	.0060848	.0145356
st_MA	.0072633	.0022492	3.23	0.002	.002752	.0117746
st_MD	-.0041872	.0018705	-2.24	0.029	-.0079389	-.0004355
st_ME	-.0234642	.0022061	-10.64	0.000	-.0278891	-.0190393
st_MI	.0081079	.0018135	4.47	0.000	.0044704	.0117454
st_MN	.0087844	.0020301	4.33	0.000	.0047125	.0128564
st_MO	.0102994	.0017435	5.91	0.000	.0068024	.0137963
st_MS	.0008174	.0021929	0.37	0.711	-.003581	.0052158
st_MT	.0006308	.0016109	0.39	0.697	-.0026002	.0038618
st_NC	-.0198545	.0017656	-11.25	0.000	-.0233958	-.0163132
st_ND	-.0136213	.0018632	-7.31	0.000	-.0173585	-.0098841
st_NE	.005468	.0026004	2.10	0.040	.0002523	.0106837

st_NH	-.0082143	.0017862	-4.60	0.000	-.0117969	-.0046316
st_NJ	-.0068972	.0019314	-3.57	0.001	-.010771	-.0030233
st_NM	-.0122465	.0019447	-6.30	0.000	-.0161471	-.0083459
st_NV	-.0037097	.0018412	-2.01	0.049	-.0074026	-.0000168
st_NY	.0141591	.0020287	6.98	0.000	.01009	.0182281
st_OH	-.0110886	.0018733	-5.92	0.000	-.014846	-.0073311
st_OK	.0526014	.001776	29.62	0.000	.0490391	.0561637
st_OR	-.0078865	.0023083	-3.42	0.001	-.0125162	-.0032567
st_PA	-.041521	.0017774	-23.36	0.000	-.045086	-.037956
st_PR	-.1025608	.0035755	-28.68	0.000	-.1097324	-.0953891
st_RI	-.0243129	.002854	-8.52	0.000	-.0300374	-.0185884
st_SC	.0063166	.0022564	2.80	0.007	.0017908	.0108424
st_SD	.0532016	.0016098	33.05	0.000	.0499727	.0564305
st_TN	.0150422	.0019249	7.81	0.000	.0111813	.0189031
st_TX	.0120105	.0018401	6.53	0.000	.0083198	.0157012
st_UT	-.0236012	.0036246	-6.51	0.000	-.0308713	-.0163312
st_VA	.0047147	.0019366	2.43	0.018	.0008303	.0085991
st_VT	-.017597	.0020865	-8.43	0.000	-.0217819	-.0134121
st_WA	-.0119253	.0017813	-6.69	0.000	-.0154981	-.0083524
st_WI	.0373583	.0019977	18.70	0.000	.0333515	.0413651
st_WV	-.050587	.0028821	-17.55	0.000	-.0563678	-.0448062
st_WY	.3685469	.0027526	133.89	0.000	.3630258	.374068
pial	-5.34e-07	6.62e-06	-0.08	0.936	-.0000138	.0000128
pia_miss	.0098067	.0085608	1.15	0.257	-.007364	.0269774
ime1	-2.31e-08	1.95e-06	-0.01	0.991	-3.94e-06	3.89e-06
ime_miss	-.001957	.0027505	-0.71	0.480	-.0074738	.0035597
_cons	.8698934	.0136528	63.72	0.000	.8425093	.8972775

(1) motoimm = 0

F(1, 53) = 1.59
 Prob > F = 0.2132

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_nounemp.xls

dir : seeout

Linear regression

Number of obs = 77161
 F(44, 53) = .
 Prob > F = .
 R-squared = 0.6216
 Root MSE = .15471

(Std. Err. adjusted for 54 clusters in tsd_state)

srvroll48	Robust					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0002174	.0001853	-1.17	0.246	-.0005891	.0001543
male	-.0002236	.0009246	-0.24	0.810	-.0020782	.0016309
gendermiss_flag	.0440522	.0085104	5.18	0.000	.0269825	.0611219
tsd_age	-.0008417	.0002438	-3.45	0.001	-.0013306	-.0003527
doage2	-.0001415	.0001634	-0.87	0.390	-.0004694	.0001863
doage2miss_flag	-.0614443	.0038236	-16.07	0.000	-.0691134	-.0537751
race_a	-.0031112	.0057975	-0.54	0.594	-.0147396	.0085172
race_b	.0010874	.0011685	0.93	0.356	-.0012563	.0034311
race_h	-.0011794	.0027579	-0.43	0.671	-.006711	.0043523
race_i	.0078062	.0073136	1.07	0.291	-.006863	.0224755
race_o	-.0012382	.0106363	-0.12	0.908	-.0225718	.0200955
race_mis	.0016107	.0062626	0.26	0.798	-.0109504	.0141718
tsd_edu_hs	.0079079	.0015163	5.22	0.000	.0048666	.0109493
tsd_edu_mrhs	.0158079	.0024145	6.55	0.000	.0109651	.0206508

tsd_edu_mis	.0079658	.0011759	6.77	0.000	.0056073	.0103243
tsd_mie_exp	-.0077482	.0040222	-1.93	0.059	-.0158158	.0003194
tsd_mie_mis	-.0039913	.0023113	-1.73	0.090	-.0086271	.0006446
tsd_mie_psbl	-.0059552	.0020525	-2.90	0.005	-.010072	-.0018384
tsd_medicare	-.0060237	.0016349	-3.68	0.001	-.0093029	-.0027445
tsd_medicare_mis	-.0073496	.0039286	-1.87	0.067	-.0152293	.0005301
tsd_depend_1	-.0040594	.0009983	-4.07	0.000	-.0060617	-.002057
tsd_depend_2	-.0023733	.0008129	-2.92	0.005	-.0040039	-.0007428
tsd_depend_mis	-.015101	.0048318	-3.13	0.003	-.0247924	-.0054096
tsd_vrpr	-.8710326	.0103796	-83.92	0.000	-.8918516	-.8502137
tsd_vrpr_mis	-.9304858	.0053049	-175.40	0.000	-.9411261	-.9198456
pdcgrou2	-.0032788	.0020768	-1.58	0.120	-.0074443	.0008867
pdcgrou3	-.0019353	.0022869	-0.85	0.401	-.0065223	.0026518
pdcgrou4	.0011187	.0014719	0.76	0.451	-.0018337	.004071
pdcgrou5	-.0401584	.0104484	-3.84	0.000	-.0611152	-.0192017
cohort2000	.0033631	.0022164	1.52	0.135	-.0010824	.0078085
cohort2001	.0021969	.0039432	0.56	0.580	-.005712	.0101059
cohort2002	.0032822	.0056921	0.58	0.567	-.0081347	.0146991
cohort2003	.0072619	.0091363	0.79	0.430	-.0110632	.025587
cohort2004	-.0349032	.011892	-2.94	0.005	-.0587556	-.0110509
award_b4_tsd	-.0001227	.0061523	-0.02	0.984	-.0124627	.0122172
diaward_tsd	-.0001339	.0001388	-0.96	0.339	-.0004122	.0001444
epeb4twp_flag	-.0640877	.0319405	-2.01	0.050	-.1281523	-.0000231
ldwb4twp_flag	.0644189	.061556	1.05	0.300	-.0590468	.1878846
ldwb4epe_flag	.0469808	.0265311	1.77	0.082	-.0062339	.1001955
twpb4tsd	.001569	.0018438	0.85	0.399	-.0021292	.0052672
epeb4tsd	.0057769	.0037344	1.55	0.128	-.0017133	.0132671
ldwb4tsd	-.01375	.0035982	-3.82	0.000	-.020967	-.006533
st_AL	.0218518	.00243	8.99	0.000	.0169779	.0267257
st_AR	.0014256	.0023891	0.60	0.553	-.0033663	.0062174
st_AZ	.0088068	.002522	3.49	0.001	.0037483	.0138653
st_CA	.0103163	.0024648	4.19	0.000	.0053726	.0152599
st_CO	.0376429	.0023677	15.90	0.000	.0328939	.0423918
st_CT	.0098281	.0022058	4.46	0.000	.0054039	.0142523
st_DC	-.0118125	.0023161	-5.10	0.000	-.016458	-.007167
st_DE	.0078479	.0026186	3.00	0.004	.0025957	.0131
st_FL	.0266098	.002526	10.53	0.000	.0215433	.0316763
st_GA	.0064969	.0024124	2.69	0.009	.0016583	.0113355
st_HI	-.0143598	.0026903	-5.34	0.000	-.0197558	-.0089637
st_IA	.0361361	.0020637	17.51	0.000	.0319968	.0402754
st_ID	-.0194904	.0023957	-8.14	0.000	-.0242956	-.0146852
st_IL	.0253224	.002724	9.30	0.000	.0198587	.0307862
st_IN	.0019208	.0021594	0.89	0.378	-.0024103	.006252
st_KS	.0075564	.0020672	3.66	0.001	.0034101	.0117026
st_KY	-.0015088	.0023283	-0.65	0.520	-.0061788	.0031611
st_LA	.014662	.0026127	5.61	0.000	.0094217	.0199024
st_MA	.0124941	.0027799	4.49	0.000	.0069183	.0180699
st_MD	-.0154871	.0023153	-6.69	0.000	-.0201309	-.0108432
st_ME	-.028311	.0022763	-12.44	0.000	-.0328767	-.0237453
st_MI	.0144945	.0023141	6.26	0.000	.0098529	.0191361
st_MN	.0268847	.0024633	10.91	0.000	.0219438	.0318255
st_MO	.0139433	.0020636	6.76	0.000	.0098042	.0180823
st_MS	.0029761	.0026489	1.12	0.266	-.0023369	.0082891
st_MT	-.0026514	.0017609	-1.51	0.138	-.0061833	.0008806
st_NC	-.0154903	.0022739	-6.81	0.000	-.0200512	-.0109295
st_ND	-.0233673	.0019616	-11.91	0.000	-.0273019	-.0194327
st_NE	-.0226551	.0028785	-7.87	0.000	-.0284286	-.0168816
st_NH	-.0084571	.0021585	-3.92	0.000	-.0127865	-.0041278
st_NJ	-.009544	.0023941	-3.99	0.000	-.0143459	-.0047421
st_NM	-.0116071	.0018489	-6.28	0.000	-.0153156	-.0078987
st_NV	.0023547	.0023236	1.01	0.315	-.002306	.0070153
st_NY	.0191812	.0025401	7.55	0.000	.0140865	.024276
st_OH	-.0238853	.0023382	-10.22	0.000	-.0285752	-.0191954

st_OK	.0587319	.0021182	27.73	0.000	.0544833	.0629804
st_OR	.0050673	.0027421	1.85	0.070	-.0004327	.0105673
st_PA	-.0490004	.0021556	-22.73	0.000	-.0533239	-.0446768
st_PR	-.1164833	.0041258	-28.23	0.000	-.1247586	-.1082079
st_RI	-.0275442	.0027189	-10.13	0.000	-.0329975	-.0220908
st_SC	.0089991	.0026273	3.43	0.001	.0037293	.0142688
st_SD	.0513387	.0016975	30.24	0.000	.0479339	.0547435
st_TN	.0187307	.0024255	7.72	0.000	.0138658	.0235956
st_TX	.0106867	.0022504	4.75	0.000	.0061729	.0152004
st_UT	-.0277132	.0035536	-7.80	0.000	-.0348408	-.0205855
st_VA	.0106306	.0024105	4.41	0.000	.0057958	.0154654
st_VT	.1179418	.0023899	49.35	0.000	.1131483	.1227354
st_WA	-.0213892	.0020463	-10.45	0.000	-.0254936	-.0172847
st_WI	.0616951	.0021045	29.32	0.000	.0574739	.0659162
st_WV	-.0564367	.0038079	-14.82	0.000	-.0640744	-.048799
st_WY	.329551	.0028973	113.74	0.000	.3237398	.3353622
pial	-9.92e-06	6.62e-06	-1.50	0.140	-.0000232	3.36e-06
pia_miss	.0009712	.005765	0.17	0.867	-.010592	.0125343
ime1	2.23e-06	1.85e-06	1.21	0.232	-1.47e-06	5.93e-06
ime_miss	.0028202	.0028168	1.00	0.321	-.0028296	.00847
_cons	.9765404	.0116517	83.81	0.000	.9531701	.9999107

(1) motoimm = 0

F(1, 53) = 1.38
 Prob > F = 0.2460

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs	=	77161
F(44, 53)	=	.
Prob > F	=	.
R-squared	=	0.4127
Root MSE	=	1.0156

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0013227	.0010383	1.27	0.208	-.00076	.0034053
male	.0165662	.0066507	2.49	0.016	.0032266	.0299057
gendermiss_flag	.050395	.0218155	2.31	0.025	.0066385	.0941514
tsd_age	-.0054906	.0008721	-6.30	0.000	-.0072397	-.0037414
doage2	.0019009	.0006806	2.79	0.007	.0005358	.003266
doage2miss_flag	.0374134	.02379	1.57	0.122	-.0103034	.0851302
race_a	-.010745	.0442999	-0.24	0.809	-.0995994	.0781094
race_b	.0291257	.0099252	2.93	0.005	.0092183	.0490331
race_h	.0582705	.0318549	1.83	0.073	-.0056223	.1221633
race_i	.0489164	.062026	0.79	0.434	-.075492	.1733248
race_o	-.0266525	.0802553	-0.33	0.741	-.1876243	.1343193
race_mis	-.0348051	.0236294	-1.47	0.147	-.0821995	.0125894
tsd_edu_hs	.0275595	.0077851	3.54	0.001	.0119445	.0431745
tsd_edu_mrhs	.0684421	.0112032	6.11	0.000	.0459713	.0909128
tsd_edu_mis	.0276283	.0100803	2.74	0.008	.0074097	.0478469
tsd_mie_exp	.0277846	.022988	1.21	0.232	-.0183235	.0738927
tsd_mie_mis	.0227677	.0141532	1.61	0.114	-.0056201	.0511554
tsd_mie_psbl	.0008424	.0084966	0.10	0.921	-.0161997	.0178845
tsd_medicare	-.0527519	.0164928	-3.20	0.002	-.0858323	-.0196715
tsd_medicare_miss	-.0333055	.0191708	-1.74	0.088	-.0717573	.0051463

tsd_depend_1	-.0196146	.0092073	-2.13	0.038	-.0380822	-.0011471
tsd_depend_2	-.0255417	.0109567	-2.33	0.024	-.0475181	-.0035653
tsd_depend_miss	.0257688	.02274	1.13	0.262	-.0198418	.0713795
tsd_vrpr	.1167608	.0177194	6.59	0.000	.0812203	.1523013
tsd_vrpr_miss	.128136	.0176429	7.26	0.000	.0927489	.1635231
pdcgrou2	.0054351	.0105743	0.51	0.609	-.0157743	.0266445
pdcgrou3	.0351139	.0101922	3.45	0.001	.0146709	.0555568
pdcgrou4	.0576515	.0081324	7.09	0.000	.04134	.073963
pdcgrou5	-.036289	.0614109	-0.59	0.557	-.1594636	.0868856
cohort2000	.0006809	.0154678	0.04	0.965	-.0303437	.0317054
cohort2001	.0033159	.0246825	0.13	0.894	-.0461911	.0528228
cohort2002	-.0518649	.0354453	-1.46	0.149	-.1229591	.0192293
cohort2003	.0472658	.0335337	1.41	0.165	-.0199942	.1145258
cohort2004	.0899731	.0484831	1.86	0.069	-.0072718	.1872179
award_b4_tsd	-.0290938	.0160421	-1.81	0.075	-.0612701	.0030825
diaward_tsd	-.0022955	.0011737	-1.96	0.056	-.0046497	.0000587
epeb4twp_flag	.9804088	1.797404	0.55	0.588	-2.624728	4.585546
ldwb4twp_flag	.1854402	.9087849	0.20	0.839	-1.637351	2.008232
ldwb4epe_flag	-.2774066	.2664247	-1.04	0.303	-.8117869	.2569738
twpb4tsd	.8720869	.060817	14.34	0.000	.7501034	.9940704
epeb4tsd	.562786	.0484906	11.61	0.000	.4655261	.6600459
ldwb4tsd	5.516689	.1759788	31.35	0.000	5.16372	5.869658
st_AL	-.2548501	.011098	-22.96	0.000	-.2771099	-.2325902
st_AR	.0214737	.007435	2.89	0.006	.006561	.0363864
st_AZ	-.0600967	.0090821	-6.62	0.000	-.0783131	-.0418803
st_CA	.1208498	.0098085	12.32	0.000	.1011765	.1405231
st_CO	-.0076253	.0104869	-0.73	0.470	-.0286593	.0134088
st_CT	.0408336	.0085108	4.80	0.000	.023763	.0579042
st_DC	.1369166	.0084281	16.25	0.000	.1200121	.1538212
st_DE	.0109626	.0105305	1.04	0.303	-.0101588	.032084
st_FL	-.0192773	.0092927	-2.07	0.043	-.0379162	-.0006385
st_GA	.0711836	.0084538	8.42	0.000	.0542274	.0881398
st_HI	.0276003	.0129901	2.12	0.038	.0015454	.0536551
st_IA	-.1124427	.0127974	-8.79	0.000	-.1381111	-.0867744
st_ID	.7523007	.0233505	32.22	0.000	.7054655	.7991359
st_IL	-.0548167	.0106245	-5.16	0.000	-.0761267	-.0335067
st_IN	.0277559	.007381	3.76	0.000	.0129516	.0425602
st_KS	-.0018894	.0081908	-0.23	0.818	-.018318	.0145392
st_KY	.0209419	.0080073	2.62	0.012	.0048812	.0370026
st_LA	.0493762	.0076594	6.45	0.000	.0340133	.0647391
st_MA	-.0835527	.01166	-7.17	0.000	-.1069398	-.0601657
st_MD	.4536331	.0122677	36.98	0.000	.4290273	.478239
st_ME	.7768175	.0110053	70.59	0.000	.7547437	.7988913
st_MI	.048132	.007498	6.42	0.000	.033093	.0631711
st_MN	.3618137	.0099987	36.19	0.000	.341759	.3818685
st_MO	.0130446	.008144	1.60	0.115	-.0032902	.0293794
st_MS	.0531149	.0083472	6.36	0.000	.0363726	.0698572
st_MT	.0791438	.0067242	11.77	0.000	.0656568	.0926307
st_NC	.4438831	.0102541	43.29	0.000	.423316	.4644501
st_ND	-.030182	.0063343	-4.76	0.000	-.0428871	-.0174769
st_NE	-.0787654	.0156903	-5.02	0.000	-.1102363	-.0472946
st_NH	.0079585	.008581	0.93	0.358	-.0092527	.0251698
st_NJ	.0425302	.008072	5.27	0.000	.0263397	.0587206
st_NM	.1292638	.0099754	12.96	0.000	.1092557	.149272
st_NV	-.0125129	.0078051	-1.60	0.115	-.028168	.0031422
st_NY	-.0203141	.009207	-2.21	0.032	-.038781	-.0018471
st_OH	.2340108	.0151601	15.44	0.000	.2036034	.2644182
st_OK	.0737374	.0085567	8.62	0.000	.0565748	.0909001
st_OR	-.078269	.0086319	-9.07	0.000	-.0955824	-.0609556
st_PA	.3503504	.0136016	25.76	0.000	.3230691	.3776316
st_PR	.0385733	.0155202	2.49	0.016	.0074436	.0697029
st_RI	-.4852503	.0295568	-16.42	0.000	-.5445338	-.4259667
st_SC	-.0219967	.0099446	-2.21	0.031	-.0419431	-.0020503

st_SD	.0230327	.0065665	3.51	0.001	.009862	.0362034
st_TN	.031696	.0079904	3.97	0.000	.0156694	.0477227
st_TX	.4050073	.0078958	51.29	0.000	.3891704	.4208443
st_UT	-.0391538	.0123522	-3.17	0.003	-.0639292	-.0143784
st_VA	.0438732	.0071971	6.10	0.000	.0294378	.0583087
st_VT	-.1171422	.0118638	-9.87	0.000	-.140938	-.0933463
st_WA	.0093646	.0082801	1.13	0.263	-.0072432	.0259725
st_WI	.0033992	.0098114	0.35	0.730	-.01628	.0230783
st_WV	.6331509	.0101425	62.43	0.000	.6128076	.6534942
st_WY	.0554883	.0126829	4.38	0.000	.0300496	.080927
pial	-.0000366	.000065	-0.56	0.576	-.000167	.0000939
pia_miss	-.07969	.0690146	-1.15	0.253	-.2181158	.0587358
ime1	.000033	.0000246	1.34	0.186	-.0000164	.0000824
ime_miss	.0150054	.0398812	0.38	0.708	-.0649862	.094997
_cons	-.0056536	.0410758	-0.14	0.891	-.0880412	.0767341

(1) motoimm = 0

F(1, 53) = 1.62
 Prob > F = 0.2083

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(44, 53) = .
 Prob > F = .
 R-squared = 0.3463
 Root MSE = 2.3469

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.001181	.0025582	0.46	0.646	-.00395	.006312
male	.0685225	.0135748	5.05	0.000	.041295	.09575
gendermiss_flag	-.1523034	.0688863	-2.21	0.031	-.2904718	-.0141351
tsd_age	-.0167967	.0018762	-8.95	0.000	-.0205599	-.0130335
doage2	.00356	.0018466	1.93	0.059	-.0001438	.0072639
doage2miss_flag	-.0172681	.058134	-0.30	0.768	-.1338702	.0993339
race_a	.0024431	.0961525	0.03	0.980	-.1904143	.1953006
race_b	.0890961	.0266241	3.35	0.002	.0356949	.1424973
race_h	.1369795	.0659042	2.08	0.043	.0047925	.2691665
race_i	.0873781	.1143744	0.76	0.448	-.1420278	.3167841
race_o	.0027856	.1629081	0.02	0.986	-.3239667	.3295379
race_mis	-.0475554	.0688794	-0.69	0.493	-.1857101	.0905992
tsd_edu_hs	.0614655	.0180159	3.41	0.001	.0253301	.0976009
tsd_edu_mrhs	.2042601	.0230398	8.87	0.000	.1580482	.2504721
tsd_edu_mis	.1070261	.0320359	3.34	0.002	.0427701	.171282
tsd_mie_exp	.0466615	.0631169	0.74	0.463	-.0799349	.1732579
tsd_mie_mis	.0214312	.0314605	0.68	0.499	-.0416705	.084533
tsd_mie_psbl	.0039431	.0198299	0.20	0.843	-.0358307	.0437169
tsd_medicare	-.1467696	.0333494	-4.40	0.000	-.2136599	-.0798792
tsd_medicare_miss	-.1654165	.0446235	-3.71	0.001	-.25492	-.0759131
tsd_depend_1	-.083893	.022785	-3.68	0.001	-.1295939	-.0381921
tsd_depend_2	-.0727047	.0229732	-3.16	0.003	-.118783	-.0266264
tsd_depend_miss	.0647246	.03327	1.95	0.057	-.0020065	.1314558
tsd_vrpr	.3337121	.0330647	10.09	0.000	.2673926	.4000315
tsd_vrpr_miss	.3038302	.0324705	9.36	0.000	.2387026	.3689577
pdcgrou2	-.0007925	.0220043	-0.04	0.971	-.0449276	.0433426

pdcgrou3	.1075824	.017553	6.13	0.000	.0723755	.1427893
pdcgrou4	.1645771	.0231977	7.09	0.000	.1180484	.2111057
pdcgrou5	-.0005795	.1851122	-0.00	0.998	-.3718675	.3707085
cohort2000	-.0078295	.0427094	-0.18	0.855	-.0934937	.0778347
cohort2001	.0059849	.0595508	0.10	0.920	-.1134589	.1254286
cohort2002	-.1248254	.0781881	-1.60	0.116	-.2816509	.0320001
cohort2003	.0807799	.0885423	0.91	0.366	-.0968134	.2583732
cohort2004	.1376073	.1086538	1.27	0.211	-.0803245	.3555391
award_b4_tsd	.0072015	.0651172	0.11	0.912	-.1234071	.1378101
diaward_tsd	-.0073694	.0027559	-2.67	0.010	-.0128971	-.0018417
epeb4twp_flag	.8992071	3.152773	0.29	0.777	-5.424456	7.22287
ldwb4twp_flag	.1981605	1.486424	0.13	0.894	-2.783228	3.179549
ldwb4epe_flag	.2665131	.6192346	0.43	0.669	-.9755143	1.50854
twpb4tsd	2.712718	.1527911	17.75	0.000	2.406258	3.019178
epeb4tsd	.9773525	.0970048	10.08	0.000	.7827856	1.171919
ldwb4tsd	10.1102	.3366065	30.04	0.000	9.435049	10.78534
st_AL	-.3123759	.0265303	-11.77	0.000	-.365589	-.2591629
st_AR	-.0267818	.0187955	-1.42	0.160	-.0644808	.0109171
st_AZ	-.0558872	.0239559	-2.33	0.023	-.1039367	-.0078378
st_CA	.0738647	.0238506	3.10	0.003	.0260263	.121703
st_CO	-.1192602	.0253718	-4.70	0.000	-.1701495	-.0683708
st_CT	.0355538	.0211848	1.68	0.099	-.0069375	.078045
st_DC	.3616545	.0225571	16.03	0.000	.3164106	.4068985
st_DE	.2415084	.0237432	10.17	0.000	.1938856	.2891312
st_FL	-.0543656	.0225609	-2.41	0.019	-.0996171	-.0091141
st_GA	.1414457	.0206868	6.84	0.000	.0999533	.1829381
st_HI	-.0445075	.0280397	-1.59	0.118	-.1007481	.011733
st_IA	-.2561291	.0300464	-8.52	0.000	-.3163945	-.1958636
st_ID	1.617164	.0443038	36.50	0.000	1.528302	1.706026
st_IL	-.1598495	.0270632	-5.91	0.000	-.2141313	-.1055677
st_IN	.0386255	.0190529	2.03	0.048	.0004101	.0768408
st_KS	-.0225873	.0212258	-1.06	0.292	-.0651608	.0199862
st_KY	-.0066903	.0194806	-0.34	0.733	-.0457635	.0323829
st_LA	.1219911	.0189354	6.44	0.000	.0840114	.1599708
st_MA	-.0774597	.0304234	-2.55	0.014	-.1384814	-.016438
st_MD	.9829516	.0265993	36.95	0.000	.9296002	1.036303
st_ME	1.464658	.0236468	61.94	0.000	1.417229	1.512087
st_MI	.0696711	.0190298	3.66	0.001	.0315021	.10784
st_MN	.6611389	.0253696	26.06	0.000	.6102539	.7120238
st_MO	-.0097373	.0200369	-0.49	0.629	-.0499263	.0304516
st_MS	.1036232	.0186777	5.55	0.000	.0661605	.141086
st_MT	.0646607	.0185903	3.48	0.001	.0273733	.1019481
st_NC	.7851686	.0233145	33.68	0.000	.7384056	.8319316
st_ND	-.1010125	.0191628	-5.27	0.000	-.1394483	-.0625768
st_NE	-.3852029	.0364868	-10.56	0.000	-.4583862	-.3120196
st_NH	.1249932	.0211659	5.91	0.000	.0825397	.1674466
st_NJ	.1028554	.02057	5.00	0.000	.0615972	.1441137
st_NM	.25174	.025082	10.04	0.000	.2014319	.3020481
st_NV	-.034398	.0205851	-1.67	0.101	-.0756865	.0068904
st_NY	-.0552571	.0229263	-2.41	0.019	-.1012415	-.0092728
st_OH	.4083873	.0345932	11.81	0.000	.3390022	.4777724
st_OK	-.0865092	.0192739	-4.49	0.000	-.1251676	-.0478507
st_OR	-.1284793	.0226034	-5.68	0.000	-.173816	-.0831425
st_PA	.6232369	.0298431	20.88	0.000	.5633793	.6830945
st_PR	.0397465	.0374143	1.06	0.293	-.035297	.1147901
st_RI	-1.511614	.0781935	-19.33	0.000	-1.66845	-1.354777
st_SC	-.0673071	.0233934	-2.88	0.006	-.1142282	-.020386
st_SD	-.0099553	.0192323	-0.52	0.607	-.0485303	.0286198
st_TN	.0344307	.0194191	1.77	0.082	-.0045191	.0733805
st_TX	.5704763	.0205023	27.82	0.000	.5293538	.6115987
st_UT	-.2331936	.0268574	-8.68	0.000	-.2870627	-.1793245
st_VA	.0924445	.0185352	4.99	0.000	.0552676	.1296214
st_VT	-.1401914	.0301692	-4.65	0.000	-.2007032	-.0796796

st_WA	.05992	.0196223	3.05	0.004	.0205628	.0992773
st_WI	-.0692597	.0233385	-2.97	0.004	-.1160708	-.0224486
st_WV	1.508974	.023639	63.83	0.000	1.46156	1.556388
st_WY	.0453278	.0355219	1.28	0.208	-.0259201	.1165757
pial	-.0000726	.0001208	-0.60	0.550	-.0003149	.0001696
pia_miss	-.2849521	.1164123	-2.45	0.018	-.5184455	-.0514587
ime1	.0000949	.0000468	2.03	0.047	1.15e-06	.0001887
ime_miss	.020998	.074913	0.28	0.780	-.1292584	.1712545
_cons	.2617173	.1061494	2.47	0.017	.0488085	.4746261

(1) motoimm = 0

F(1, 53) = 0.21
 Prob > F = 0.6462

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(44, 53) = .
 Prob > F = .
 R-squared = 0.2952
 Root MSE = 3.9276

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0019017	.0043345	-0.44	0.663	-.0105956	.0067922
male	.1400873	.0249183	5.62	0.000	.0901077	.190067
gendermiss_flag	-.6494172	.1355372	-4.79	0.000	-.9212704	-.3775639
tsd_age	-.0337519	.0035464	-9.52	0.000	-.0408651	-.0266386
doage2	.0041974	.0030231	1.39	0.171	-.0018662	.0102611
doage2miss_flag	-.2066594	.1179541	-1.75	0.086	-.4432453	.0299266
race_a	.0223398	.1650821	0.14	0.893	-.3087731	.3534526
race_b	.1669928	.0413353	4.04	0.000	.0840847	.2499009
race_h	.2220397	.0837647	2.65	0.011	.054029	.3900503
race_i	.1263059	.1924725	0.66	0.515	-.259745	.5123567
race_o	.025529	.2400946	0.11	0.916	-.4560399	.5070978
race_mis	-.0775233	.1179878	-0.66	0.514	-.3141768	.1591303
tsd_edu_hs	.1056381	.0299739	3.52	0.001	.0455181	.1657581
tsd_edu_mrhs	.4178785	.0396287	10.54	0.000	.3383933	.4973637
tsd_edu_mis	.2250745	.0553019	4.07	0.000	.1141528	.3359961
tsd_mie_exp	.0866196	.1092306	0.79	0.431	-.1324691	.3057084
tsd_mie_mis	-.007439	.0489131	-0.15	0.880	-.1055463	.0906683
tsd_mie_psbl	-.0163238	.0339797	-0.48	0.633	-.0844783	.0518308
tsd_medicare	-.2434453	.0528885	-4.60	0.000	-.3495262	-.1373644
tsd_medicare_miss	-.3952646	.0890629	-4.44	0.000	-.5739021	-.216627
tsd_depend_1	-.1847744	.0398772	-4.63	0.000	-.264758	-.1047909
tsd_depend_2	-.1225049	.035438	-3.46	0.001	-.1935845	-.0514254
tsd_depend_miss	.0296515	.0619063	0.48	0.634	-.0945168	.1538198
tsd_vrpr	.5734088	.0541183	10.60	0.000	.4648613	.6819563
tsd_vrpr_miss	.4301505	.0484737	8.87	0.000	.3329246	.5273765
pdcgrou2	-.0317123	.0416337	-0.76	0.450	-.115219	.0517945
pdcgrou3	.1918506	.0308724	6.21	0.000	.1299283	.2537728
pdcgrou4	.288175	.0392197	7.35	0.000	.2095103	.3668397
pdcgrou5	-.0430876	.3670619	-0.12	0.907	-.7793206	.6931454
cohort2000	-.0485079	.0797339	-0.61	0.546	-.208434	.1114181
cohort2001	-.0337206	.1098103	-0.31	0.760	-.2539721	.186531
cohort2002	-.241517	.1383275	-1.75	0.087	-.5189669	.0359329

cohort2003	.206618	.1710175	1.21	0.232	-.1363997	.5496357
cohort2004	.2089253	.1877123	1.11	0.271	-.1675778	.5854285
award_b4_tsd	.0860642	.1182293	0.73	0.470	-.1510737	.3232021
diaward_tsd	-.0140034	.0046933	-2.98	0.004	-.0234169	-.00459
epeb4twp_flag	.8486064	3.473984	0.24	0.808	-6.119323	7.816535
ldwb4twp_flag	-.8479466	1.998363	-0.42	0.673	-4.856156	3.160262
ldwb4epe_flag	1.694285	1.122905	1.51	0.137	-.5579771	3.946547
twpb4tsd	4.671668	.2723754	17.15	0.000	4.125352	5.217983
epeb4tsd	1.220762	.167604	7.28	0.000	.8845907	1.556933
ldwb4tsd	14.20915	.5088927	27.92	0.000	13.18844	15.22986
st_AL	.0174442	.0482854	0.36	0.719	-.079404	.1142924
st_AR	-.084692	.0404607	-2.09	0.041	-.165846	-.0035381
st_AZ	.0970579	.0456813	2.12	0.038	.0054328	.188683
st_CA	.2664318	.0475446	5.60	0.000	.1710694	.3617943
st_CO	-.3420124	.0484173	-7.06	0.000	-.4391253	-.2448995
st_CT	.0597779	.0438737	1.36	0.179	-.0282215	.1477773
st_DC	.7158024	.0455159	15.73	0.000	.6245091	.8070958
st_DE	.6817988	.0447181	15.25	0.000	.5921057	.7714918
st_FL	.0200816	.0442865	0.45	0.652	-.0687458	.108909
st_GA	.2498914	.0431945	5.79	0.000	.1632541	.3365287
st_HI	-.182394	.0543988	-3.35	0.001	-.2915043	-.0732838
st_IA	-.5698668	.0547036	-10.42	0.000	-.6795884	-.4601452
st_ID	2.789705	.0712471	39.16	0.000	2.646802	2.932609
st_IL	-.2009151	.051456	-3.90	0.000	-.3041227	-.0977074
st_IN	.0948959	.0405054	2.34	0.023	.0136524	.1761394
st_KS	.074572	.0434073	1.72	0.092	-.0124922	.1616361
st_KY	-.0069227	.0407994	-0.17	0.866	-.088756	.0749106
st_LA	.2153562	.0405656	5.31	0.000	.1339918	.2967206
st_MA	.1294116	.0566662	2.28	0.026	.0157536	.2430696
st_MD	1.442109	.0467016	30.88	0.000	1.348438	1.535781
st_ME	2.084588	.0486341	42.86	0.000	1.987041	2.182136
st_MI	.1037658	.0406312	2.55	0.014	.0222699	.1852618
st_MN	.9595681	.0487045	19.70	0.000	.8618793	1.057257
st_MO	-.0274923	.0415734	-0.66	0.511	-.110878	.0558935
st_MS	.2034465	.0391134	5.20	0.000	.1249949	.281898
st_MT	.1552431	.0397224	3.91	0.000	.07557	.2349162
st_NC	1.097301	.0462949	23.70	0.000	1.004445	1.190157
st_ND	-.1586857	.0410851	-3.86	0.000	-.241092	-.0762793
st_NE	-.8047372	.0615718	-13.07	0.000	-.9282346	-.6812398
st_NH	.3618687	.0420174	8.61	0.000	.2775925	.4461449
st_NJ	.2195887	.0420525	5.22	0.000	.135242	.3039354
st_NM	.3913657	.0452172	8.66	0.000	.3006715	.48206
st_NV	-.0088151	.0414329	-0.21	0.832	-.091919	.0742888
st_NY	-.0359198	.045225	-0.79	0.431	-.1266296	.05479
st_OH	.6740353	.0618919	10.89	0.000	.5498959	.7981747
st_OK	.1104099	.0390794	2.83	0.007	.0320265	.1887932
st_OR	-.0943414	.046949	-2.01	0.050	-.1885092	-.0001735
st_PA	.9194919	.0525552	17.50	0.000	.8140796	1.024904
st_PR	.0081069	.0618619	0.13	0.896	-.1159725	.1321862
st_RI	-2.668012	.1474662	-18.09	0.000	-2.963791	-2.372232
st_SC	-.1636666	.0464062	-3.53	0.001	-.2567457	-.0705875
st_SD	-.0456857	.0399904	-1.14	0.258	-.1258963	.0345249
st_TN	.0551196	.0408203	1.35	0.183	-.0267556	.1369947
st_TX	.7970227	.0431378	18.48	0.000	.7104993	.8835462
st_UT	-.4545508	.0518886	-8.76	0.000	-.5586262	-.3504753
st_VA	.1978879	.040005	4.95	0.000	.117648	.2781279
st_VT	-.409901	.0556188	-7.37	0.000	-.5214582	-.2983438
st_WA	.1741157	.0396763	4.39	0.000	.0945352	.2536962
st_WI	-.0766684	.0470641	-1.63	0.109	-.171067	.0177302
st_WV	2.807198	.0476139	58.96	0.000	2.711697	2.902699
st_WY	3.630351	.0694038	52.31	0.000	3.491145	3.769558
pial	-.000075	.0001977	-0.38	0.706	-.0004716	.0003215
pia_miss	-.4416972	.1674965	-2.64	0.011	-.7776527	-.1057417

ime1	.0001736	.0000748	2.32	0.024	.0000236	.0003236
ime_miss	-.0418094	.106392	-0.39	0.696	-.2552047	.171586
_cons	.8929905	.2259137	3.95	0.000	.4398651	1.346116

(1) motoimm = 0

F(1, 53) = 0.19
 Prob > F = 0.6626

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 77161
 F(44, 53) = .
 Prob > F = .
 R-squared = 0.2576
 Root MSE = 5.6655

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0056478	.0057196	-0.99	0.328	-.0171199 .0058243
male	.2260014	.0411922	5.49	0.000	.1433803 .3086225
gendermiss_flag	-1.44289	.21921	-6.58	0.000	-1.88257 -1.00321
tsd_age	-.0540383	.0052646	-10.26	0.000	-.0645977 -.0434789
doage2	.0032156	.0040031	0.80	0.425	-.0048137 .0112448
doage2miss_flag	-.7222002	.1934773	-3.73	0.000	-1.110266 -.3341339
race_a	-.0103772	.2091451	-0.05	0.961	-.429869 .4091147
race_b	.2659612	.0621787	4.28	0.000	.1412466 .3906759
race_h	.2935204	.1102342	2.66	0.010	.0724186 .5146221
race_i	.1972684	.2887103	0.68	0.497	-.3818111 .7763479
race_o	-.0366558	.3201226	-0.11	0.909	-.6787405 .6054289
race_mis	-.0999449	.1667407	-0.60	0.551	-.4343845 .2344946
tsd_edu_hs	.1542561	.0433458	3.56	0.001	.0673154 .2411967
tsd_edu_mrhs	.690251	.0587586	11.75	0.000	.5723963 .8081057
tsd_edu_mis	.3614589	.0784142	4.61	0.000	.20418 .5187379
tsd_mie_exp	.1023661	.1663484	0.62	0.541	-.2312865 .4360186
tsd_mie_mis	-.0391861	.0697628	-0.56	0.577	-.1791126 .1007405
tsd_mie_psbl	-.0576222	.0499326	-1.15	0.254	-.1577743 .04253
tsd_medicare	-.3461749	.0739193	-4.68	0.000	-.4944384 -.1979115
tsd_medicare_miss	-.6930839	.1347772	-5.14	0.000	-.9634128 -.422755
tsd_depend_1	-.2843754	.0590147	-4.82	0.000	-.4027438 -.1660069
tsd_depend_2	-.1583174	.0423522	-3.74	0.000	-.2432652 -.0733696
tsd_depend_miss	-.1176563	.0885494	-1.33	0.190	-.2952638 .0599513
tsd_vrpr	.6442895	.0916368	7.03	0.000	.4604894 .8280896
tsd_vrpr_miss	.3489364	.0765178	4.56	0.000	.1954613 .5024116
pdcgrou2	-.0989264	.0620125	-1.60	0.117	-.2233076 .0254548
pdcgrou3	.2557241	.0528921	4.83	0.000	.1496359 .3618123
pdcgrou4	.4047175	.0609634	6.64	0.000	.2824405 .5269946
pdcgrou5	-.1527774	.5164207	-0.30	0.769	-1.188586 .8830313
cohort2000	-.0810172	.1159757	-0.70	0.488	-.3136351 .1516006
cohort2001	-.0647344	.1586284	-0.41	0.685	-.3829026 .2534339
cohort2002	-.33498	.2035691	-1.65	0.106	-.7432878 .0733279
cohort2003	.4620753	.3003191	1.54	0.130	-.1402886 1.064439
cohort2004	.4662485	.329723	1.41	0.163	-.1950921 1.127589
award_b4_tsd	.148045	.1873228	0.79	0.433	-.227677 .523767
diaward_tsd	-.0197495	.0069982	-2.82	0.007	-.0337861 -.0057128
epeb4twp_flag	2.614658	4.4721	0.58	0.561	-6.355239 11.58455
ldwb4twp_flag	-2.181177	2.531159	-0.86	0.393	-7.258039 2.895684

ldwb4epe_flag	3.691175	1.65083	2.24	0.030	.3800285	7.002321
twpb4tsd	6.51996	.3745802	17.41	0.000	5.768648	7.271273
eped4tsd	1.320215	.2343586	5.63	0.000	.8501509	1.790279
ldwb4tsd	18.00987	.6748055	26.69	0.000	16.65638	19.36335
st_AL	.4008011	.0934226	4.29	0.000	.213419	.5881832
st_AR	-.31931	.0860537	-3.71	0.000	-.4919119	-.1467081
st_AZ	.1774904	.0905976	1.96	0.055	-.0042254	.3592062
st_CA	.2147261	.0926899	2.32	0.024	.0288136	.4006385
st_CO	-.6628743	.0939119	-7.06	0.000	-.8512378	-.4745108
st_CT	-.1073488	.0889468	-1.21	0.233	-.2857534	.0710558
st_DC	.8809881	.0933116	9.44	0.000	.6938287	1.068148
st_DE	.9809317	.0888519	11.04	0.000	.8027174	1.159146
st_FL	-.1223393	.088802	-1.38	0.174	-.3004535	.0557749
st_GA	.2240144	.0881989	2.54	0.014	.0471098	.400919
st_HI	-.565914	.0989874	-5.72	0.000	-.7644577	-.3673703
st_IA	-.9966818	.1001556	-9.95	0.000	-1.197569	-.7957951
st_ID	5.188845	.1120948	46.29	0.000	4.964012	5.413679
st_IL	-.4138836	.0970423	-4.26	0.000	-.6085259	-.2192414
st_IN	-.0356674	.0853633	-0.42	0.678	-.2068845	.1355497
st_KS	-.0065511	.0887309	-0.07	0.941	-.1845228	.1714207
st_KY	-.197419	.0858304	-2.30	0.025	-.3695729	-.0252651
st_LA	.1510465	.0859862	1.76	0.085	-.02142	.3235131
st_MA	.174749	.1027475	1.70	0.095	-.0313363	.3808343
st_MD	2.122798	.0905316	23.45	0.000	1.941215	2.304382
st_ME	2.460739	.0963053	25.55	0.000	2.267575	2.653903
st_MI	-.0550782	.0851851	-0.65	0.521	-.2259379	.1157815
st_MN	.9406416	.0946036	9.94	0.000	.7508908	1.130392
st_MO	-.2356146	.086685	-2.72	0.009	-.4094827	-.0617465
st_MS	.1445853	.0838724	1.72	0.091	-.0236414	.3128121
st_MT	.1069201	.0849654	1.26	0.214	-.063499	.2773392
st_NC	1.295987	.091607	14.15	0.000	1.112247	1.479727
st_ND	-.4142162	.0869397	-4.76	0.000	-.5885952	-.2398372
st_NE	-1.527525	.1086353	-14.06	0.000	-1.745419	-1.30963
st_NH	.4843687	.0860932	5.63	0.000	.3116876	.6570498
st_NJ	.1668584	.0869961	1.92	0.061	-.0076337	.3413505
st_NM	.3377996	.0901521	3.75	0.000	.1569774	.5186217
st_NV	-.1053511	.085134	-1.24	0.221	-.2761082	.065406
st_NY	-.0813931	.0906898	-0.90	0.374	-.2632939	.1005077
st_OH	.5822334	.1062819	5.48	0.000	.3690589	.7954079
st_OK	.3957675	.0826942	4.79	0.000	.229904	.561631
st_OR	-.2431491	.0927648	-2.62	0.011	-.4292117	-.0570865
st_PA	1.077841	.0960659	11.22	0.000	.8851569	1.270524
st_PR	-.2531066	.1086841	-2.33	0.024	-.4710994	-.0351139
st_RI	-4.03005	.2146107	-18.78	0.000	-4.460505	-3.599596
st_SC	-.5407037	.0942023	-5.74	0.000	-.7296495	-.3517579
st_SD	-.3377283	.0853156	-3.96	0.000	-.5088497	-.1666069
st_TN	-.109489	.0861316	-1.27	0.209	-.2822471	.0632691
st_TX	.9074366	.0896951	10.12	0.000	.727531	1.087342
st_UT	-.8711059	.0968396	-9.00	0.000	-1.065341	-.6768703
st_VA	.1436491	.0854943	1.68	0.099	-.0278307	.315129
st_VT	-1.097361	.1020439	-10.75	0.000	-1.302035	-.8926865
st_WA	.2389784	.0832379	2.87	0.006	.0720243	.4059324
st_WI	-.2893065	.0950361	-3.04	0.004	-.4799247	-.0986883
st_WV	4.287278	.094207	45.51	0.000	4.098323	4.476234
st_WY	7.228283	.1263432	57.21	0.000	6.97487	7.481695
pial	-.0000801	.0002884	-0.28	0.782	-.0006585	.0004983
pia_miss	-.5174851	.214875	-2.41	0.020	-.9484697	-.0865006
imel	.0002649	.0001056	2.51	0.015	.0000531	.0004767
ime_miss	-.166507	.1386884	-1.20	0.235	-.4446807	.1116666
_cons	2.109735	.3617774	5.83	0.000	1.384102	2.835369

(1) motoimm = 0

F(1, 53) = 0.98
 Prob > F = 0.3279

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(45, 53) = .
 Prob > F = .
 R-squared = 0.1209
 Root MSE = .12645

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0000904	.0001128	0.80	0.426	-.0001358	.0003166
male	.0013207	.0006898	1.91	0.061	-.0000628	.0027042
gendermiss_flag	-.0076704	.0034878	-2.20	0.032	-.014666	-.0006748
tsd_age	-.0002803	.0000898	-3.12	0.003	-.0004604	-.0001003
doage2	-.0000819	.0000597	-1.37	0.176	-.0002016	.0000379
doage2miss_flag	-.118307	.0063745	-18.56	0.000	-.1310926	-.1055214
race_a	-.0019859	.0027469	-0.72	0.473	-.0074955	.0035237
race_b	.004088	.0016455	2.48	0.016	.0007874	.0073885
race_h	.0014627	.0005815	2.52	0.015	.0002964	.002629
race_i	.0044227	.0041581	1.06	0.292	-.0039174	.0127628
race_o	.0114052	.0031836	3.58	0.001	.0050197	.0177907
race_mis	.0066849	.0023843	2.80	0.007	.0019026	.0114671
tsd_edu_hs	.0028541	.0007509	3.80	0.000	.001348	.0043602
tsd_edu_mrhs	.0067632	.0011337	5.97	0.000	.0044892	.0090371
tsd_edu_mis	.004982	.0009791	5.09	0.000	.0030181	.0069459
tsd_mie_exp	.0031512	.0024107	1.31	0.197	-.001684	.0079865
tsd_mie_mis	-.0018549	.0011573	-1.60	0.115	-.0041762	.0004664
tsd_mie_psbl	-.000046	.0010353	-0.04	0.965	-.0021225	.0020304
tsd_medicare	-.0051744	.0011796	-4.39	0.000	-.0075403	-.0028085
tsd_medicare_miss	-.0066586	.0029051	-2.29	0.026	-.0124855	-.0008316
tsd_depend_1	-.0025398	.0008494	-2.99	0.004	-.0042434	-.0008361
tsd_depend_2	-.0004999	.0008174	-0.61	0.543	-.0021393	.0011396
tsd_depend_miss	.0044678	.0030861	1.45	0.154	-.0017222	.0106578
tsd_vrpr	.0100505	.0022659	4.44	0.000	.0055058	.0145952
tsd_vrpr_miss	.0121082	.0019682	6.15	0.000	.0081605	.016056
pdcgrou2	-.0025099	.0012065	-2.08	0.042	-.0049299	-.0000899
pdcgrou3	.0036175	.0013828	2.62	0.012	.0008439	.006391
pdcgrou4	.0016378	.0006919	2.37	0.022	.00025	.0030256
pdcgrou5	-.0013134	.0078888	-0.17	0.868	-.0171364	.0145096
cohort2000	.0023499	.0025522	0.92	0.361	-.0027692	.007469
cohort2001	.0056555	.0028362	1.99	0.051	-.0000331	.0113442
cohort2002	.006842	.0053505	1.28	0.207	-.0038897	.0175737
cohort2003	.0048735	.0057724	0.84	0.402	-.0067045	.0164514
cohort2004	.0156669	.009292	1.69	0.098	-.0029704	.0343042
award_b4_tsd	-.004517	.0030552	-1.48	0.145	-.0106448	.0016109
diaward_tsd	-.0002217	.0000974	-2.28	0.027	-.0004169	-.0000264
epeb4twp_flag	-.0930483	.0348284	-2.67	0.010	-.1629051	-.0231915
ldwb4twp_flag	.1020174	.0566183	1.80	0.077	-.0115446	.2155793
ldwb4epe_flag	.1160873	.0227303	5.11	0.000	.0704961	.1616785
twpb4tsd	.1538547	.012518	12.29	0.000	.1287468	.1789626
epeb4tsd	.0593094	.0054695	10.84	0.000	.048339	.0702798
ldwb4tsd	-.093376	.0176732	-5.28	0.000	-.128824	-.0579281
st_AL	.0030171	.0011156	2.70	0.009	.0007795	.0052547
st_AR	-.0077807	.0011692	-6.65	0.000	-.0101258	-.0054355

st_AZ	.0158039	.001195	13.23	0.000	.0134071	.0182008
st_CA	.011653	.0009763	11.94	0.000	.0096948	.0136112
st_CO	-.0044817	.0013352	-3.36	0.001	-.0071597	-.0018037
st_CT	.0077802	.0012252	6.35	0.000	.0053226	.0102377
st_DC	-.0272347	.0013799	-19.74	0.000	-.0300024	-.0244669
st_DE	-.001039	.0021932	-0.47	0.638	-.0054379	.0033599
st_FL	-.005755	.0011781	-4.89	0.000	-.0081178	-.0033921
st_GA	.0032282	.0012599	2.56	0.013	.0007011	.0057553
st_HI	.0108865	.0010853	10.03	0.000	.0087096	.0130634
st_IA	-.0189451	.0012828	-14.77	0.000	-.0215181	-.0163721
st_ID	.0085448	.0012072	7.08	0.000	.0061235	.0109661
st_IL	-.0135337	.0010989	-12.32	0.000	-.0157378	-.0113297
st_IN	-.0095288	.0011129	-8.56	0.000	-.011761	-.0072965
st_KS	.002903	.0011957	2.43	0.019	.0005047	.0053013
st_KY	-.0025443	.0012099	-2.10	0.040	-.004971	-.0001176
st_LA	.009131	.0015494	5.89	0.000	.0060234	.0122386
st_MA	.0004363	.0011054	0.39	0.695	-.0017808	.0026534
st_MD	.0116437	.0010354	11.25	0.000	.0095669	.0137205
st_ME	.0077552	.0011588	6.69	0.000	.0054309	.0100795
st_MI	-.001856	.0011303	-1.64	0.107	-.0041231	.0004112
st_MN	.0087863	.0011183	7.86	0.000	.0065433	.0110294
st_MO	-.0045488	.0011887	-3.83	0.000	-.006933	-.0021645
st_MS	.002437	.0012691	1.92	0.060	-.0001086	.0049825
st_MT	.0621994	.0012933	48.09	0.000	.0596053	.0647934
st_NC	.0052844	.0010332	5.11	0.000	.0032121	.0073568
st_ND	-.0427333	.0034069	-12.54	0.000	-.0495667	-.0358998
st_NE	.0046648	.0010609	4.40	0.000	.002537	.0067926
st_NH	-.0060622	.0013949	-4.35	0.000	-.00886	-.0032645
st_NJ	-.0039962	.0010896	-3.67	0.001	-.0061817	-.0018107
st_NM	-.0243556	.0016366	-14.88	0.000	-.0276381	-.021073
st_NV	-.0135828	.0009216	-14.74	0.000	-.0154312	-.0117343
st_NY	-.0075974	.0011427	-6.65	0.000	-.0098893	-.0053056
st_OH	.0038527	.0010221	3.77	0.000	.0018026	.0059027
st_OK	-.0071526	.0013612	-5.25	0.000	-.0098828	-.0044225
st_OR	-.0036813	.0012599	-2.92	0.005	-.0062083	-.0011542
st_PA	.0091548	.0010656	8.59	0.000	.0070174	.0112922
st_PR	.0027874	.0014977	1.86	0.068	-.0002165	.0057914
st_RI	.0115172	.0011083	10.39	0.000	.0092943	.0137401
st_SC	.0048291	.0013307	3.63	0.001	.0021602	.0074981
st_SD	-.0238545	.0030005	-7.95	0.000	-.0298728	-.0178362
st_TN	-.0062317	.0012274	-5.08	0.000	-.0086935	-.0037698
st_TX	.0100613	.001043	9.65	0.000	.0079693	.0121534
st_UT	.005618	.0011245	5.00	0.000	.0033627	.0078734
st_VA	.0014817	.0012192	1.22	0.230	-.0009638	.0039272
st_VT	.043257	.0015318	28.24	0.000	.0401846	.0463294
st_WA	.0076524	.0010323	7.41	0.000	.0055818	.009723
st_WI	-.0147387	.0012692	-11.61	0.000	-.0172843	-.0121931
st_WV	.0086473	.0013339	6.48	0.000	.0059718	.0113227
st_WY	-.0013533	.0012036	-1.12	0.266	-.0037674	.0010609
pial	-8.32e-06	2.84e-06	-2.93	0.005	-.000014	-2.63e-06
pia_miss	-.0183737	.0033136	-5.54	0.000	-.0250199	-.0117274
ime1	4.33e-06	8.89e-07	4.87	0.000	2.55e-06	6.11e-06
ime_miss	.0044945	.0016395	2.74	0.008	.0012062	.0077829
_cons	-.0008972	.0073147	-0.12	0.903	-.0155686	.0137743

(1) motoimm = 0

F(1, 53) = 0.64
 Prob > F = 0.4264

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_nounemp.xls

dir : seeout

Linear regression

Number of obs = 114657
 F(45, 53) = .
 Prob > F = .
 R-squared = 0.1203
 Root MSE = .17628

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0000736	.0001273	-0.58	0.566	-.0003289	.0001817
male	.0040864	.0011456	3.57	0.001	.0017887	.0063841
gendermiss_flag	-.0231432	.0061711	-3.75	0.000	-.035521	-.0107655
tsd_age	-.0008874	.0001466	-6.05	0.000	-.0011815	-.0005933
doage2	-.0001366	.0000771	-1.77	0.082	-.0002913	.0000181
doage2miss_flag	-.1441699	.0111904	-12.88	0.000	-.1666151	-.1217248
race_a	.0013082	.0038685	0.34	0.737	-.006451	.0090674
race_b	.0098854	.002601	3.80	0.000	.0046684	.0151024
race_h	.0059222	.0012508	4.73	0.000	.0034134	.008431
race_i	-.0012166	.0055327	-0.22	0.827	-.0123139	.0098806
race_o	.0207231	.0056418	3.67	0.001	.009407	.0320392
race_mis	.0075185	.0050908	1.48	0.146	-.0026924	.0177294
tsd_edu_hs	.0058612	.001078	5.44	0.000	.0036989	.0080235
tsd_edu_mrhs	.0159269	.0017397	9.15	0.000	.0124374	.0194163
tsd_edu_mis	.0101724	.0016317	6.23	0.000	.0068997	.0134451
tsd_mie_exp	.0051758	.0026059	1.99	0.052	-.0000509	.0104025
tsd_mie_mis	-.0037223	.001507	-2.47	0.017	-.006745	-.0006996
tsd_mie_psbl	-.0007956	.0011982	-0.66	0.510	-.0031989	.0016077
tsd_medicare	-.0103828	.001217	-8.53	0.000	-.0128237	-.0079418
tsd_medicare_miss	-.0234497	.0054571	-4.30	0.000	-.0343953	-.0125041
tsd_depend_1	-.0041968	.0014667	-2.86	0.006	-.0071386	-.0012549
tsd_depend_2	-.0012623	.0018916	-0.67	0.507	-.0050564	.0025318
tsd_depend_miss	-.0021333	.0047903	-0.45	0.658	-.0117415	.007475
tsd_vrpr	.0132187	.0046312	2.85	0.006	.0039296	.0225077
tsd_vrpr_miss	.0054639	.003573	1.53	0.132	-.0017025	.0126304
pdcgrou2	-.0091559	.001832	-5.00	0.000	-.0128305	-.0054814
pdcgrou3	.0053113	.0013492	3.94	0.000	.0026051	.0080175
pdcgrou4	.0013937	.0012093	1.15	0.254	-.0010319	.0038192
pdcgrou5	-.0019726	.0108824	-0.18	0.857	-.0237999	.0198548
cohort2000	-.0017557	.0026458	-0.66	0.510	-.0070625	.0035511
cohort2001	.0000443	.0030402	0.01	0.988	-.0060535	.0061421
cohort2002	-.000808	.0056976	-0.14	0.888	-.0122359	.0106198
cohort2003	.0012505	.0077178	0.16	0.872	-.0142295	.0167304
cohort2004	.033263	.0170535	1.95	0.056	-.0009419	.067468
award_b4_tsd	-.013769	.0084118	-1.64	0.108	-.0306409	.0031029
diaward_tsd	-.0005763	.0001555	-3.71	0.001	-.0008881	-.0002645
epeb4twp_flag	-.1010385	.0417291	-2.42	0.019	-.1847366	-.0173405
ldwb4twp_flag	.1063481	.0547217	1.94	0.057	-.0034097	.2161059
ldwb4epe_flag	.274966	.0315954	8.70	0.000	.2115936	.3383383
twpb4tsd	.210256	.0130992	16.05	0.000	.1839824	.2365296
epeb4tsd	.0565886	.0052515	10.78	0.000	.0460553	.0671218
ldwb4tsd	-.130866	.0217555	-6.02	0.000	-.1745019	-.08723
st_AL	.0041644	.0020078	2.07	0.043	.0001372	.0081915
st_AR	.0030266	.0025793	1.17	0.246	-.0021467	.0081999
st_AZ	.0121131	.0021584	5.61	0.000	.0077839	.0164424
st_CA	.0199799	.0016169	12.36	0.000	.0167369	.0232229
st_CO	-.0088056	.001544	-5.70	0.000	-.0119024	-.0057088
st_CT	.0428252	.0020287	21.11	0.000	.0387562	.0468942
st_DC	-.0468827	.0021927	-21.38	0.000	-.0512807	-.0424847
st_DE	.0141693	.0030544	4.64	0.000	.008043	.0202956

st_FL	-.0126881	.0020134	-6.30	0.000	-.0167264	-.0086498
st_GA	.0018642	.0021481	0.87	0.389	-.0024444	.0061729
st_HI	.0135583	.0013944	9.72	0.000	.0107615	.0163552
st_IA	-.0355718	.0016191	-21.97	0.000	-.0388193	-.0323243
st_ID	.0122432	.001479	8.28	0.000	.0092766	.0152097
st_IL	-.0093221	.0019064	-4.89	0.000	-.0131459	-.0054983
st_IN	.0030224	.0019546	1.55	0.128	-.000898	.0069427
st_KS	.0022596	.0024198	0.93	0.355	-.0025939	.0071131
st_KY	-.0003498	.0023692	-0.15	0.883	-.0051018	.0044023
st_LA	-.0033468	.0024312	-1.38	0.174	-.0082233	.0015296
st_MA	-.0111731	.002269	-4.92	0.000	-.0157242	-.006622
st_MD	.0188924	.0017523	10.78	0.000	.0153777	.022407
st_ME	.0140965	.0020064	7.03	0.000	.0100722	.0181208
st_MI	.0008632	.0020848	0.41	0.681	-.0033185	.0050448
st_MN	.0135829	.0014507	9.36	0.000	.0106732	.0164926
st_MO	.0009383	.0016961	0.55	0.582	-.0024637	.0043404
st_MS	-.0015031	.0022312	-0.67	0.503	-.0059784	.0029722
st_MT	.0402844	.0019413	20.75	0.000	.0363907	.0441781
st_NC	.0030679	.0017212	1.78	0.080	-.0003845	.0065202
st_ND	-.0694493	.0029037	-23.92	0.000	-.0752733	-.0636253
st_NE	.0087929	.0016929	5.19	0.000	.0053974	.0121884
st_NH	.0062564	.0017207	3.64	0.001	.0028051	.0097077
st_NJ	-.0051197	.0018285	-2.80	0.007	-.0087871	-.0014523
st_NM	-.0256011	.0020319	-12.60	0.000	-.0296767	-.0215256
st_NV	-.0158753	.0019286	-8.23	0.000	-.0197436	-.0120069
st_NY	-.0043333	.0020716	-2.09	0.041	-.0084885	-.0001781
st_OH	.0079281	.0016852	4.70	0.000	.004548	.0113081
st_OK	-.0218125	.0020707	-10.53	0.000	-.0259657	-.0176593
st_OR	-.0095699	.0020902	-4.58	0.000	-.0137623	-.0053774
st_PA	.0132641	.0018668	7.11	0.000	.0095198	.0170085
st_PR	-.0029723	.0028561	-1.04	0.303	-.008701	.0027564
st_RI	.0187946	.0017106	10.99	0.000	.0153635	.0222257
st_SC	-.0021828	.0025209	-0.87	0.390	-.0072392	.0028736
st_SD	-.0558494	.0039251	-14.23	0.000	-.0637222	-.0479767
st_TN	-.0090222	.0022808	-3.96	0.000	-.0135968	-.0044476
st_TX	.0139333	.001695	8.22	0.000	.0105336	.017333
st_UT	.0098589	.0017576	5.61	0.000	.0063335	.0133843
st_VA	.0089789	.0022678	3.96	0.000	.0044303	.0135275
st_VT	.0327481	.0031184	10.50	0.000	.0264934	.0390028
st_WA	.0186439	.0017803	10.47	0.000	.015073	.0222147
st_WI	-.0072801	.0016395	-4.44	0.000	-.0105684	-.0039917
st_WV	.0094524	.0024539	3.85	0.000	.0045304	.0143744
st_WY	-.0058249	.0016363	-3.56	0.001	-.0091069	-.0025428
pial	-.0000108	3.45e-06	-3.14	0.003	-.0000178	-3.93e-06
pia_miss	-.0207209	.0044762	-4.63	0.000	-.029699	-.0117428
ime1	6.62e-06	1.19e-06	5.58	0.000	4.24e-06	9.00e-06
ime_miss	-.0017808	.0024914	-0.71	0.478	-.0067778	.0032162
_cons	.0525104	.0092962	5.65	0.000	.0338645	.0711562

(1) motoimm = 0

F(1, 53) = 0.33
 Prob > F = 0.5656

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(45, 53) = .
 Prob > F = .
 R-squared = 0.1202

Root MSE = .21025

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0001326	.0001819	-0.73	0.469	-.0004974	.0002323
male	.005547	.0015593	3.56	0.001	.0024195	.0086745
gendermiss_flag	-.0364402	.00688	-5.30	0.000	-.0502397	-.0226406
tsd_age	-.0014479	.0001982	-7.31	0.000	-.0018454	-.0010505
doage2	-.0003221	.0001247	-2.58	0.013	-.0005721	-.0000721
doage2miss_flag	-.1444884	.0133907	-10.79	0.000	-.1713467	-.1176301
race_a	.002587	.002858	0.91	0.369	-.0031454	.0083195
race_b	.0150522	.0025462	5.91	0.000	.0099452	.0201593
race_h	.006416	.0024281	2.64	0.011	.0015459	.0112861
race_i	.0045579	.0067187	0.68	0.500	-.0089181	.0180339
race_o	.0166261	.0059517	2.79	0.007	.0046885	.0285637
race_mis	.0052311	.0062439	0.84	0.406	-.0072925	.0177547
tsd_edu_hs	.0084313	.00125	6.75	0.000	.0059241	.0109384
tsd_edu_mrhs	.0218186	.0020428	10.68	0.000	.0177213	.0259159
tsd_edu_mis	.0134422	.0014996	8.96	0.000	.0104344	.0164501
tsd_mie_exp	.0040029	.0039708	1.01	0.318	-.0039616	.0119674
tsd_mie_mis	-.0033725	.0019597	-1.72	0.091	-.0073032	.0005582
tsd_mie_psbl	-.0020734	.0015769	-1.31	0.194	-.0052363	.0010896
tsd_medicare	-.0135735	.0014372	-9.44	0.000	-.0164561	-.0106909
tsd_medicare_miss	-.0368164	.0069577	-5.29	0.000	-.0507718	-.022861
tsd_depend_1	-.0027401	.0018603	-1.47	0.147	-.0064715	.0009912
tsd_depend_2	.0010055	.0025057	0.40	0.690	-.0040204	.0060314
tsd_depend_miss	-.0093051	.0053729	-1.73	0.089	-.0200818	.0014717
tsd_vrpr	.000211	.0040778	0.05	0.959	-.007968	.00839
tsd_vrpr_miss	-.0180498	.0042085	-4.29	0.000	-.026491	-.0096086
pdcgrou2	-.0145753	.0027331	-5.33	0.000	-.0200573	-.0090934
pdcgrou3	.0052621	.0016113	3.27	0.002	.0020302	.008494
pdcgrou4	-.0019646	.001983	-0.99	0.326	-.005942	.0020127
pdcgrou5	-.0134543	.0115963	-1.16	0.251	-.0367134	.0098049
cohort2000	-.00264	.0023191	-1.14	0.260	-.0072916	.0020115
cohort2001	-.0025323	.0035818	-0.71	0.483	-.0097164	.0046518
cohort2002	-.005688	.0062958	-0.90	0.370	-.0183158	.0069397
cohort2003	-.0026834	.0085227	-0.31	0.754	-.0197777	.0144109
cohort2004	.0462146	.0199451	2.32	0.024	.0062098	.0862194
award_b4_tsd	-.002477	.0130312	-0.19	0.850	-.0286143	.0236603
diaward_tsd	-.0007548	.0002058	-3.67	0.001	-.0011676	-.0003419
epeb4twp_flag	-.2247417	.0579833	-3.88	0.000	-.3410415	-.1084419
ldwb4twp_flag	.3529602	.0827136	4.27	0.000	.1870576	.5188627
ldwb4epe_flag	.3930116	.0308802	12.73	0.000	.3310737	.4549494
twpb4tsd	.24533	.0125568	19.54	0.000	.2201443	.2705157
epeb4tsd	.0458491	.0059877	7.66	0.000	.0338393	.0578589
ldwb4tsd	-.1627717	.0229329	-7.10	0.000	-.2087692	-.1167741
st_AL	.0070562	.0020622	3.42	0.001	.00292	.0111924
st_AR	-.0090908	.0023244	-3.91	0.000	-.0137529	-.0044286
st_AZ	.0054567	.0022787	2.39	0.020	.0008863	.0100271
st_CA	.0316185	.0019885	15.90	0.000	.02763	.035607
st_CO	.0181671	.0023382	7.77	0.000	.0134774	.0228569
st_CT	.0428107	.002459	17.41	0.000	.0378786	.0477427
st_DC	-.0075794	.0029084	-2.61	0.012	-.013413	-.0017458
st_DE	.0001126	.0023388	0.05	0.962	-.0045784	.0048035
st_FL	-.0130687	.0022756	-5.74	0.000	-.017633	-.0085045
st_GA	.0015917	.0020496	0.78	0.441	-.0025192	.0057027
st_HI	.0251709	.0020839	12.08	0.000	.0209911	.0293507
st_IA	-.0355332	.0025165	-14.12	0.000	-.0405806	-.0304858
st_ID	.0111183	.0024771	4.49	0.000	.0061499	.0160867
st_IL	.002382	.00217	1.10	0.277	-.0019705	.0067345

st_IN	.0027261	.00214	1.27	0.208	-.0015662	.0070183
st_KS	.0152088	.0020573	7.39	0.000	.0110824	.0193353
st_KY	.0232239	.0021899	10.60	0.000	.0188315	.0276163
st_LA	.0099582	.0021882	4.55	0.000	.0055691	.0143472
st_MA	.0018995	.0022973	0.83	0.412	-.0027083	.0065073
st_MD	.0240168	.0020369	11.79	0.000	.0199314	.0281023
st_ME	.0241803	.0021757	11.11	0.000	.0198164	.0285442
st_MI	.0055022	.0021413	2.57	0.013	.0012073	.009797
st_MN	.0221375	.002435	9.09	0.000	.0172535	.0270215
st_MO	-.0020105	.0023432	-0.86	0.395	-.0067104	.0026893
st_MS	.0087697	.0022879	3.83	0.000	.0041807	.0133586
st_MT	.0214209	.0024676	8.68	0.000	.0164714	.0263703
st_NC	.0045016	.0021258	2.12	0.039	.0002378	.0087655
st_ND	-.0876003	.0046592	-18.80	0.000	-.0969455	-.0782552
st_NE	.0118852	.0021658	5.49	0.000	.0075412	.0162292
st_NH	-.0090598	.002535	-3.57	0.001	-.0141443	-.0039753
st_NJ	.0110742	.0022403	4.94	0.000	.0065807	.0155678
st_NM	.0155526	.0031228	4.98	0.000	.0092891	.0218161
st_NV	-.0038862	.0021103	-1.84	0.071	-.0081189	.0003466
st_NY	.0062458	.0022362	2.79	0.007	.0017606	.0107311
st_OH	.010347	.0022019	4.70	0.000	.0059306	.0147634
st_OK	-.0160721	.0022072	-7.28	0.000	-.0204992	-.011645
st_OR	-.0232732	.0022859	-10.18	0.000	-.0278582	-.0186883
st_PA	.0180506	.0020768	8.69	0.000	.0138851	.0222161
st_PR	-.0054167	.0028817	-1.88	0.066	-.0111966	.0003631
st_RI	.0259477	.0021795	11.91	0.000	.0215761	.0303193
st_SC	-.0090163	.0022183	-4.06	0.000	-.0134657	-.0045669
st_SD	-.0815072	.004172	-19.54	0.000	-.0898752	-.0731392
st_TN	-.011349	.002112	-5.37	0.000	-.0155852	-.0071129
st_TX	.0193325	.0020848	9.27	0.000	.0151509	.0235141
st_UT	.0120129	.0021261	5.65	0.000	.0077484	.0162774
st_VA	.0234751	.0020676	11.35	0.000	.0193281	.0276222
st_VT	.067314	.0026059	25.83	0.000	.0620873	.0725407
st_WA	.0232636	.0020879	11.14	0.000	.0190757	.0274514
st_WI	.0085082	.0024893	3.42	0.001	.0035153	.0135011
st_WV	.0109408	.0022192	4.93	0.000	.0064897	.0153919
st_WY	-.0037119	.0022656	-1.64	0.107	-.0082561	.0008323
pial	-4.70e-06	4.30e-06	-1.09	0.280	-.0000133	3.93e-06
pia_miss	-.0174008	.0047434	-3.67	0.001	-.0269149	-.0078866
ime1	4.92e-06	1.48e-06	3.32	0.002	1.95e-06	7.89e-06
ime_miss	-.0125432	.0031584	-3.97	0.000	-.0188782	-.0062081
_cons	.1153242	.0145006	7.95	0.000	.0862397	.1444087

(1) motoimm = 0

F(1, 53) = 0.53
 Prob > F = 0.4694

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(45, 53) = .
 Prob > F = .
 R-squared = 0.1136
 Root MSE = .23679

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
-----------	-------	------------------	---	------	----------------------

motoimm	-.0001458	.0001828	-0.80	0.429	-.0005125	.000221
male	.0078011	.0016866	4.63	0.000	.0044183	.0111839
gendermiss_flag	-.0495413	.0078968	-6.27	0.000	-.0653803	-.0337023
tsd_age	-.0022159	.0002782	-7.97	0.000	-.0027739	-.001658
doage2	-.0003174	.0001766	-1.80	0.078	-.0006717	.0000368
doage2miss_flag	-.1352398	.0153855	-8.79	0.000	-.1660993	-.1043803
race_a	-.0020377	.0040176	-0.51	0.614	-.0100959	.0060205
race_b	.0211617	.0031631	6.69	0.000	.0148172	.0275061
race_h	.0067278	.0037926	1.77	0.082	-.0008791	.0143348
race_i	.0079804	.0090996	0.88	0.384	-.0102711	.0262319
race_o	.0217059	.0069715	3.11	0.003	.0077228	.035689
race_mis	.0017706	.0072877	0.24	0.809	-.0128466	.0163878
tsd_edu_hs	.0089119	.0017873	4.99	0.000	.0053269	.0124968
tsd_edu_mrhs	.028559	.002527	11.30	0.000	.0234905	.0336275
tsd_edu_mis	.015911	.0019602	8.12	0.000	.0119793	.0198427
tsd_mie_exp	.0066632	.0053332	1.25	0.217	-.0040338	.0173602
tsd_mie_mis	-.004342	.0026884	-1.62	0.112	-.0097343	.0010503
tsd_mie_psbl	-.0027501	.0019208	-1.43	0.158	-.0066027	.0011025
tsd_medicare	-.0156477	.0021999	-7.11	0.000	-.0200601	-.0112353
tsd_medicare_miss	-.0490421	.0086652	-5.66	0.000	-.0664223	-.0316619
tsd_depend_1	-.0022513	.0022481	-1.00	0.321	-.0067604	.0022579
tsd_depend_2	.0040761	.0029614	1.38	0.174	-.0018637	.0100159
tsd_depend_mis	-.0134247	.0060985	-2.20	0.032	-.0256568	-.0011927
tsd_vrpr	-.0179189	.0053038	-3.38	0.001	-.0285569	-.0072809
tsd_vrpr_miss	-.0437724	.0072899	-6.00	0.000	-.058394	-.0291507
pdcgrou2	-.0217477	.0029698	-7.32	0.000	-.0277044	-.015791
pdcgrou3	.0039349	.0022634	1.74	0.088	-.0006049	.0084748
pdcgrou4	-.0057908	.002184	-2.65	0.011	-.0101714	-.0014101
pdcgrou5	-.0259964	.0117823	-2.21	0.032	-.0496287	-.0023641
cohort2000	-.0046955	.002664	-1.76	0.084	-.0100388	.0006478
cohort2001	-.0070441	.0034085	-2.07	0.044	-.0138806	-.0002076
cohort2002	-.0126217	.006307	-2.00	0.051	-.025272	.0000286
cohort2003	-.0086191	.0085794	-1.00	0.320	-.0258271	.0085889
cohort2004	.0513929	.0221479	2.32	0.024	.0069698	.095816
award_b4_tsd	.0011225	.012605	0.09	0.929	-.0241599	.026405
diaward_tsd	-.0009559	.0002183	-4.38	0.000	-.0013937	-.0005181
epeb4twp_flag	-.2311548	.0581082	-3.98	0.000	-.3477051	-.1146044
ldwb4twp_flag	.3509808	.0811517	4.32	0.000	.1882111	.5137504
ldwb4epe_flag	.4729655	.0356259	13.28	0.000	.4015089	.5444221
twpb4tsd	.2551964	.011688	21.83	0.000	.2317532	.2786396
epeb4tsd	.0393734	.0069342	5.68	0.000	.0254651	.0532817
ldwb4tsd	-.1830068	.0225588	-8.11	0.000	-.228254	-.1377595
st_AL	-.0118426	.0024587	-4.82	0.000	-.0167741	-.0069111
st_AR	-.0165719	.0024402	-6.79	0.000	-.0214662	-.0116775
st_AZ	.0095978	.002542	3.78	0.000	.0044992	.0146964
st_CA	.0208713	.0022535	9.26	0.000	.0163513	.0253913
st_CO	.0002539	.0026464	0.10	0.924	-.0050542	.0055619
st_CT	.0448507	.0027088	16.56	0.000	.0394174	.0502839
st_DC	.0135115	.0036022	3.75	0.000	.0062864	.0207365
st_DE	-.0332549	.0027402	-12.14	0.000	-.038751	-.0277588
st_FL	-.0207073	.0025145	-8.24	0.000	-.0257508	-.0156637
st_GA	-.0116626	.0025878	-4.51	0.000	-.016853	-.0064721
st_HI	.014235	.0024355	5.84	0.000	.00935	.0191201
st_IA	-.0381881	.0028284	-13.50	0.000	-.0438612	-.032515
st_ID	-.0007098	.0031772	-0.22	0.824	-.0070823	.0056628
st_IL	.0010109	.0025108	0.40	0.689	-.0040252	.006047
st_IN	-.0286738	.0026569	-10.79	0.000	-.0340028	-.0233448
st_KS	-.0028113	.0023157	-1.21	0.230	-.0074561	.0018335
st_KY	.0022072	.0027052	0.82	0.418	-.0032188	.0076331
st_LA	-.0121084	.002505	-4.83	0.000	-.0171328	-.007084
st_MA	.0031786	.0026909	1.18	0.243	-.0022187	.008576
st_MD	.0096793	.0024779	3.91	0.000	.0047093	.0146494

st_ME	.0035457	.0026099	1.36	0.180	-.0016891	.0087805
st_MI	-.0087969	.0024929	-3.53	0.001	-.013797	-.0037968
st_MN	.0070595	.0029464	2.40	0.020	.0011497	.0129692
st_MO	-.0053118	.0029112	-1.82	0.074	-.011151	.0005274
st_MS	-.0049611	.0030343	-1.63	0.108	-.0110472	.001125
st_MT	-.0127058	.0030855	-4.12	0.000	-.0188946	-.006517
st_NC	-.0167423	.0026892	-6.23	0.000	-.0221362	-.0113485
st_ND	-.1207254	.0047738	-25.29	0.000	-.1303005	-.1111503
st_NE	-.0026547	.0025467	-1.04	0.302	-.0077627	.0024534
st_NH	-.0110652	.0032065	-3.45	0.001	-.0174966	-.0046338
st_NJ	-.0063451	.0025819	-2.46	0.017	-.0115238	-.0011665
st_NM	.0023398	.0032406	0.72	0.473	-.0041599	.0088395
st_NV	-.022107	.0022363	-9.89	0.000	-.0265925	-.0176215
st_NY	.0005674	.0024104	0.24	0.815	-.0042672	.0054021
st_OH	-.0067962	.0027214	-2.50	0.016	-.0122545	-.0013378
st_OK	-.0282118	.0024189	-11.66	0.000	-.0330634	-.0233601
st_OR	-.0145691	.0027279	-5.34	0.000	-.0200405	-.0090976
st_PA	.0039147	.0024475	1.60	0.116	-.0009944	.0088237
st_PR	-.0292676	.0029326	-9.98	0.000	-.0351496	-.0233856
st_RI	.0113375	.0026268	4.32	0.000	.0060689	.0166061
st_SC	-.0272579	.0027016	-10.09	0.000	-.0326767	-.0218392
st_SD	-.1218892	.0046145	-26.41	0.000	-.1311447	-.1126337
st_TN	-.0367058	.002554	-14.37	0.000	-.0418284	-.0315832
st_TX	.0049269	.0023436	2.10	0.040	.0002262	.0096275
st_UT	.0003405	.0024672	0.14	0.891	-.0046081	.005289
st_VA	.0041662	.0022807	1.83	0.073	-.0004084	.0087408
st_VT	.0834654	.0026709	31.25	0.000	.0781082	.0888226
st_WA	.0102563	.0024575	4.17	0.000	.0053271	.0151854
st_WI	-.0159768	.0029617	-5.39	0.000	-.0219172	-.0100364
st_WV	-.0065925	.0025061	-2.63	0.011	-.011619	-.001566
st_WY	-.001785	.0026483	-0.67	0.503	-.0070968	.0035268
pial	-4.36e-06	4.96e-06	-0.88	0.384	-.0000143	5.59e-06
pia_miss	-.0196195	.006879	-2.85	0.006	-.0334171	-.0058219
ime1	5.13e-06	1.48e-06	3.46	0.001	2.16e-06	8.11e-06
ime_miss	-.0168494	.0033678	-5.00	0.000	-.0236043	-.0100945
_cons	.2060938	.0196316	10.50	0.000	.1667178	.2454697

(1) motoimm = 0

F(1, 53) = 0.64
 Prob > F = 0.4289

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(45, 53) = .
 Prob > F = .
 R-squared = 0.1244
 Root MSE = .14775

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0001522	.000162	0.94	0.352	-.0001728	.0004772
male	.0017485	.001047	1.67	0.101	-.0003514	.0038485
gendermiss_flag	-.0118391	.0024645	-4.80	0.000	-.0167823	-.0068958
tsd_age	-.0002037	.0001082	-1.88	0.065	-.0004208	.0000134
doage2	-.0003468	.0001012	-3.43	0.001	-.0005499	-.0001437

doage2miss_flag	-.0882082	.006606	-13.35	0.000	-.1014581	-.0749583
race_a	.0001955	.0031641	0.06	0.951	-.0061508	.0065418
race_b	.003295	.0015862	2.08	0.043	.0001134	.0064766
race_h	.0012201	.0016603	0.73	0.466	-.00211	.0045501
race_i	-.0068911	.004269	-1.61	0.112	-.0154536	.0016715
race_o	.0105244	.0039952	2.63	0.011	.002511	.0185378
race_mis	.0000643	.0028523	0.02	0.982	-.0056567	.0057854
tsd_edu_hs	.0029068	.0014464	2.01	0.050	5.68e-06	.005808
tsd_edu_mrhs	.0074356	.0016246	4.58	0.000	.004177	.0106942
tsd_edu_mis	.005528	.0017083	3.24	0.002	.0021016	.0089545
tsd_mie_exp	.0026729	.0029934	0.89	0.376	-.0033311	.0086768
tsd_mie_mis	-.0054985	.0019877	-2.77	0.008	-.0094853	-.0015117
tsd_mie_psbl	-.0049258	.0014554	-3.38	0.001	-.0078449	-.0020067
tsd_medicare	-.0100701	.0014955	-6.73	0.000	-.0130696	-.0070705
tsd_medicare_miss	-.0178225	.0036218	-4.92	0.000	-.025087	-.0105581
tsd_depend_1	-.002686	.0013668	-1.97	0.055	-.0054275	.0000556
tsd_depend_2	-.0014026	.0008566	-1.64	0.107	-.0031206	.0003155
tsd_depend_miss	-.0057792	.0039216	-1.47	0.146	-.013645	.0020865
tsd_vrpr	.011162	.0021206	5.26	0.000	.0069086	.0154154
tsd_vrpr_miss	.0006491	.0018883	0.34	0.732	-.0031384	.0044366
pdcgroup2	.0007093	.0017291	0.41	0.683	-.0027587	.0041774
pdcgroup3	.0044841	.0016487	2.72	0.009	.0011772	.0077909
pdcgroup4	.0030712	.0011071	2.77	0.008	.0008507	.0052917
pdcgroup5	-.0116511	.0042181	-2.76	0.008	-.0201115	-.0031908
cohort2000	-.0036212	.0015722	-2.30	0.025	-.0067746	-.0004679
cohort2001	-.0029881	.0025447	-1.17	0.246	-.0080922	.002116
cohort2002	-.0039865	.0041644	-0.96	0.343	-.0123392	.0043663
cohort2003	.0007923	.0049269	0.16	0.873	-.0090899	.0106745
cohort2004	.0267166	.0084088	3.18	0.002	.0098506	.0435825
award_b4_tsd	-.0094752	.0069398	-1.37	0.178	-.0233946	.0044442
diaward_tsd	-.0004354	.0001389	-3.13	0.003	-.0007141	-.00001568
epeb4twp_flag	.0580132	.0360303	1.61	0.113	-.0142544	.1302809
ldwb4twp_flag	-.0050061	.0165505	-0.30	0.763	-.0382022	.0281899
ldwb4epe_flag	.0965497	.0269313	3.59	0.001	.0425323	.1505671
twpb4tsd	.2067473	.0094568	21.86	0.000	.1877795	.2257152
epeb4tsd	-.0876588	.0108752	-8.06	0.000	-.1094718	-.0658459
ldwb4tsd	-.046571	.0045476	-10.24	0.000	-.0556924	-.0374496
st_AL	.0135756	.0016491	8.23	0.000	.0102679	.0168834
st_AR	.0077167	.0020298	3.80	0.000	.0036455	.011788
st_AZ	.0126194	.0016595	7.60	0.000	.0092908	.015948
st_CA	.0191911	.0012329	15.57	0.000	.0167183	.021664
st_CO	.0097365	.0014587	6.67	0.000	.0068106	.0126623
st_CT	.0399802	.0018111	22.08	0.000	.0363476	.0436129
st_DC	.0414193	.0026448	15.66	0.000	.0361144	.0467242
st_DE	-.0024579	.0020134	-1.22	0.228	-.0064962	.0015804
st_FL	.0073145	.0016072	4.55	0.000	.0040908	.0105381
st_GA	.0045849	.0016302	2.81	0.007	.001315	.0078547
st_HI	.011824	.0008316	14.22	0.000	.0101561	.0134919
st_IA	-.0192537	.0016206	-11.88	0.000	-.0225042	-.0160032
st_ID	.0160216	.0013205	12.13	0.000	.0133731	.0186701
st_IL	.0027017	.0018517	1.46	0.150	-.0010123	.0064157
st_IN	-.0069056	.0018191	-3.80	0.000	-.0105542	-.003257
st_KS	.0079071	.0019584	4.04	0.000	.0039791	.0118351
st_KY	-.0016948	.001792	-0.95	0.349	-.0052891	.0018995
st_LA	.0046341	.0020252	2.29	0.026	.0005721	.0086961
st_MA	-.0060314	.0017427	-3.46	0.001	-.0095268	-.0025359
st_MD	.0244803	.0016644	14.71	0.000	.0211419	.0278187
st_ME	.0221559	.0017541	12.63	0.000	.0186376	.0256743
st_MI	.0057724	.0017239	3.35	0.002	.0023147	.0092301
st_MN	.0230172	.0015742	14.62	0.000	.0198598	.0261745
st_MO	-.0002818	.0016353	-0.17	0.864	-.0035618	.0029983
st_MS	-.0011184	.0020169	-0.55	0.582	-.0051638	.002927
st_MT	.0119891	.0016546	7.25	0.000	.0086705	.0153078

st_NC	.0117278	.0014822	7.91	0.000	.008755	.0147007
st_ND	-.0396707	.0014404	-27.54	0.000	-.0425598	-.0367816
st_NE	.0131024	.0016557	7.91	0.000	.0097816	.0164232
st_NH	.0253357	.0016925	14.97	0.000	.0219409	.0287305
st_NJ	.021187	.0015967	13.27	0.000	.0179844	.0243895
st_NM	-.0051013	.0014038	-3.63	0.001	-.007917	-.0022856
st_NV	.0160919	.0016699	9.64	0.000	.0127425	.0194414
st_NY	-.0013541	.0016503	-0.82	0.416	-.0046642	.0019561
st_OH	.0163628	.0016607	9.85	0.000	.0130318	.0196937
st_OK	.0118785	.0016404	7.24	0.000	.0085883	.0151688
st_OR	-.0186632	.001571	-11.88	0.000	-.0218143	-.0155121
st_PA	.0183377	.001626	11.28	0.000	.0150763	.0215991
st_PR	.0074016	.0017884	4.14	0.000	.0038146	.0109886
st_RI	.0280213	.0014754	18.99	0.000	.0250622	.0309805
st_SC	.0026876	.0019176	1.40	0.167	-.0011588	.0065339
st_SD	-.0203128	.004547	-4.47	0.000	-.0294329	-.0111926
st_TN	-.0002226	.0017795	-0.13	0.901	-.0037918	.0033465
st_TX	.0163243	.0014761	11.06	0.000	.0133637	.0192848
st_UT	.0184612	.0015354	12.02	0.000	.0153815	.0215409
st_VA	.0018115	.0020039	0.90	0.370	-.0022079	.0058309
st_VT	.0001651	.0022733	0.07	0.942	-.0043946	.0047248
st_WA	.0196062	.0015394	12.74	0.000	.0165184	.0226939
st_WI	.0083883	.0019453	4.31	0.000	.0044864	.0122902
st_WV	.0101847	.0018183	5.60	0.000	.0065378	.0138317
st_WY	.0258962	.0014863	17.42	0.000	.0229151	.0288773
pial	-.0000134	4.75e-06	-2.81	0.007	-.0000229	-3.84e-06
pia_miss	-.0161966	.0048832	-3.32	0.002	-.0259911	-.0064021
ime1	4.46e-06	1.42e-06	3.14	0.003	1.61e-06	7.31e-06
ime_miss	-.0022292	.0020839	-1.07	0.290	-.0064089	.0019505
_cons	.0357965	.0046796	7.65	0.000	.0264104	.0451826

(1) motoimm = 0

F(1, 53) = 0.88
 Prob > F = 0.3520

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L

PM_PH3_nounemp.xls

dir : seeout

Linear regression

Number of obs = 114657
 F(45, 53) = .
 Prob > F = .
 R-squared = 0.1288
 Root MSE = .20385

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0001866	.0001559	-1.20	0.237	-.0004994 .0001262
male	.0019877	.0015886	1.25	0.216	-.0011987 .005174
gendermiss_flag	-.0290643	.0054103	-5.37	0.000	-.0399159 -.0182126
tsd_age	-.0010399	.0001305	-7.97	0.000	-.0013017 -.0007781
doage2	-.0003697	.0001644	-2.25	0.029	-.0006994 -.00004
doage2miss_flag	-.0953095	.0112838	-8.45	0.000	-.117942 -.0726771
race_a	.0031404	.0038026	0.83	0.413	-.0044867 .0107675
race_b	.0110572	.0024934	4.43	0.000	.0060561 .0160583
race_h	.0012674	.0010653	1.19	0.239	-.0008692 .0034041
race_i	-.0088684	.0074849	-1.18	0.241	-.0238812 .0061445
race_o	.0097661	.0060287	1.62	0.111	-.0023258 .0218581

race_mis	-.0000227	.0044358	-0.01	0.996	-.0089198	.0088743
tsd_edu_hs	.0032087	.0014968	2.14	0.037	.0002066	.0062109
tsd_edu_mrhs	.0154812	.0017703	8.74	0.000	.0119304	.019032
tsd_edu_mis	.0101768	.001911	5.33	0.000	.0063438	.0140098
tsd_mie_exp	.0016453	.0038563	0.43	0.671	-.0060895	.0093801
tsd_mie_mis	-.0092715	.0025187	-3.68	0.001	-.0143233	-.0042198
tsd_mie_psbl	-.0072549	.0013773	-5.27	0.000	-.0100175	-.0044923
tsd_medicare	-.0152354	.0023163	-6.58	0.000	-.0198813	-.0105896
tsd_medicare_miss	-.042332	.0049433	-8.56	0.000	-.0522471	-.032417
tsd_depend_1	-.0036709	.0017446	-2.10	0.040	-.00717	-.0001717
tsd_depend_2	-.0028684	.001677	-1.71	0.093	-.0062321	.0004953
tsd_depend_miss	-.0204814	.0060836	-3.37	0.001	-.0326836	-.0082793
tsd_vrpr	.0031581	.0042494	0.74	0.461	-.005365	.0116812
tsd_vrpr_miss	-.025329	.0045209	-5.60	0.000	-.0343969	-.0162612
pdcgrou2	-.0054097	.0021137	-2.56	0.013	-.0096493	-.0011701
pdcgrou3	.0032467	.0014117	2.30	0.025	.0004151	.0060782
pdcgrou4	-.0001458	.001467	-0.10	0.921	-.0030881	.0027966
pdcgrou5	-.0027953	.0130453	-0.21	0.831	-.0289609	.0233704
cohort2000	-.0092865	.0022141	-4.19	0.000	-.0137274	-.0048457
cohort2001	-.0139054	.0038815	-3.58	0.001	-.0216908	-.00612
cohort2002	-.0171134	.0057591	-2.97	0.004	-.0286648	-.005562
cohort2003	-.010572	.0072475	-1.46	0.151	-.0251087	.0039648
cohort2004	.0473547	.0139151	3.40	0.001	.0194445	.0752649
award_b4_tsd	-.0131812	.0118984	-1.11	0.273	-.0370465	.010684
diaward_tsd	-.0009677	.0002237	-4.33	0.000	-.0014163	-.0005191
epeb4twp_flag	.0764004	.0500768	1.53	0.133	-.0240409	.1768417
ldwb4twp_flag	-.0112099	.0235516	-0.48	0.636	-.0584483	.0360286
ldwb4epe_flag	.2541404	.0342602	7.42	0.000	.1854231	.3228578
twpb4tsd	.273286	.0096113	28.43	0.000	.2540082	.2925638
epeb4tsd	-.1317879	.0133011	-9.91	0.000	-.1584665	-.1051092
ldwb4tsd	-.0757439	.005366	-14.12	0.000	-.0865066	-.0649812
st_AL	-.000585	.0029915	-0.20	0.846	-.0065852	.0054152
st_AR	-.0018135	.0028696	-0.63	0.530	-.0075692	.0039421
st_AZ	-.0115151	.0027717	-4.15	0.000	-.0170744	-.0059558
st_CA	.011503	.0025905	4.44	0.000	.0063072	.0166989
st_CO	-.0016513	.002762	-0.60	0.552	-.0071912	.0038887
st_CT	.0432405	.0029247	14.78	0.000	.0373743	.0491067
st_DC	.0046998	.00352	1.34	0.188	-.0023604	.01176
st_DE	-.0412804	.0028676	-14.40	0.000	-.047032	-.0355287
st_FL	-.0202447	.0027384	-7.39	0.000	-.0257373	-.0147522
st_GA	.0096516	.0027125	3.56	0.001	.0042109	.0150922
st_HI	.0104809	.0024201	4.33	0.000	.0056267	.0153351
st_IA	-.0145942	.0028313	-5.15	0.000	-.0202731	-.0089154
st_ID	.0067865	.0026861	2.53	0.015	.0013988	.0121742
st_IL	-.0184685	.0028654	-6.45	0.000	-.0242157	-.0127214
st_IN	-.0094819	.002744	-3.46	0.001	-.0149857	-.0039782
st_KS	-.0008661	.0028383	-0.31	0.761	-.0065591	.0048269
st_KY	-.0211471	.0028535	-7.41	0.000	-.0268705	-.0154237
st_LA	-.0120082	.0027781	-4.32	0.000	-.0175803	-.006436
st_MA	-.0233478	.0028905	-8.08	0.000	-.0291455	-.0175501
st_MD	.0168678	.0028992	5.82	0.000	.0110528	.0226828
st_ME	.0182742	.0028924	6.32	0.000	.0124727	.0240756
st_MI	-.0126058	.0027658	-4.56	0.000	-.0181534	-.0070583
st_MN	.0244477	.0028095	8.70	0.000	.0188125	.0300828
st_MO	-.0196661	.0028268	-6.96	0.000	-.0253361	-.0139962
st_MS	-.0275171	.0030932	-8.90	0.000	-.0337214	-.0213129
st_MT	-.0323895	.0030539	-10.61	0.000	-.0385149	-.0262641
st_NC	-.0044091	.0027935	-1.58	0.120	-.0100123	.001194
st_ND	-.0866008	.0033472	-25.87	0.000	-.0933145	-.079887
st_NE	.0038863	.0028288	1.37	0.175	-.0017876	.0095602
st_NH	-.0147663	.0029326	-5.04	0.000	-.0206484	-.0088842
st_NJ	-.0034051	.0028415	-1.20	0.236	-.0091045	.0022942
st_NM	.0308045	.003122	9.87	0.000	.0245425	.0370665

st_NV	-.0168905	.0027224	-6.20	0.000	-.0223508	-.0114301
st_NY	-.013167	.0028254	-4.66	0.000	-.018834	-.0074999
st_OH	.0057451	.0028643	2.01	0.050	4.87e-08	.0114902
st_OK	-.0051697	.0028439	-1.82	0.075	-.0108737	.0005344
st_OR	-.0377888	.0028347	-13.33	0.000	-.0434746	-.0321031
st_PA	.0083783	.0028593	2.93	0.005	.0026433	.0141134
st_PR	-.0133834	.0030723	-4.36	0.000	-.0195456	-.0072211
st_RI	.0315626	.00272	11.60	0.000	.0261071	.0370182
st_SC	-.0213332	.002979	-7.16	0.000	-.0273084	-.015358
st_SD	-.0724826	.004554	-15.92	0.000	-.0816167	-.0633485
st_TN	-.010938	.0028501	-3.84	0.000	-.0166546	-.0052215
st_TX	.0055592	.00286	1.94	0.057	-.0001773	.0112957
st_UT	.0065299	.0027745	2.35	0.022	.0009649	.0120949
st_VA	-.0203601	.002802	-7.27	0.000	-.0259802	-.0147399
st_VT	-.0317634	.0029657	-10.71	0.000	-.0377117	-.025815
st_WA	.0130952	.0027525	4.76	0.000	.0075744	.0186159
st_WI	.0190479	.0028846	6.60	0.000	.0132621	.0248337
st_WV	.0031776	.0029346	1.08	0.284	-.0027084	.0090636
st_WY	.0124352	.0028292	4.40	0.000	.0067605	.01811
pial	-4.17e-06	5.86e-06	-0.71	0.480	-.0000159	7.59e-06
pia_miss	-.0036992	.0066807	-0.55	0.582	-.0170988	.0097005
ime1	3.52e-06	1.74e-06	2.02	0.048	3.31e-08	7.00e-06
ime_miss	-.0147904	.0031262	-4.73	0.000	-.0210608	-.00852
_cons	.1470467	.0113683	12.93	0.000	.1242446	.1698487

(1) motoimm = 0

F(1, 53) = 1.43
 Prob > F = 0.2369

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(45, 53) = .
 Prob > F = .
 R-squared = 0.1280
 Root MSE = .23777

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0002831	.0001832	-1.55	0.128	-.0006505 .0000843
male	.0026435	.0022715	1.16	0.250	-.0019126 .0071995
gendermiss_flag	-.0451467	.0066776	-6.76	0.000	-.0585402 -.0317532
tsd_age	-.0019431	.0001677	-11.58	0.000	-.0022796 -.0016067
doage2	-.0003542	.0001935	-1.83	0.073	-.0007422 .0000338
doage2miss_flag	-.0883288	.0135064	-6.54	0.000	-.1154192 -.0612384
race_a	.0017944	.0057463	0.31	0.756	-.0097312 .0133199
race_b	.016069	.002737	5.87	0.000	.0105793 .0215587
race_h	-.0001321	.0009987	-0.13	0.895	-.0021352 .0018711
race_i	.0039625	.0088635	0.45	0.657	-.0138155 .0217405
race_o	.006343	.0065392	0.97	0.336	-.0067729 .019459
race_mis	-.0026662	.0060446	-0.44	0.661	-.0147902 .0094577
tsd_edu_hs	.0065379	.0016636	3.93	0.000	.0032012 .0098747
tsd_edu_mrhs	.0222853	.0020551	10.84	0.000	.0181632 .0264073
tsd_edu_mis	.0133722	.0024786	5.40	0.000	.0084008 .0183436
tsd_mie_exp	.003243	.0051402	0.63	0.531	-.0070669 .0135529
tsd_mie_mis	-.0090426	.0034472	-2.62	0.011	-.0159568 -.0021284

tsd_mie_psbl	-.0080769	.0020474	-3.94	0.000	-.0121834	-.0039704
tsd_medicare	-.02075	.0024926	-8.32	0.000	-.0257495	-.0157505
tsd_medicare_miss	-.0548387	.0069658	-7.87	0.000	-.0688103	-.0408671
tsd_depend_1	-.0038364	.0019973	-1.92	0.060	-.0078425	.0001696
tsd_depend_2	-.0020745	.001889	-1.10	0.277	-.0058634	.0017145
tsd_depend_miss	-.026693	.0067617	-3.95	0.000	-.0402553	-.0131306
tsd_vrpr	-.0175924	.0063944	-2.75	0.008	-.030418	-.0047668
tsd_vrpr_miss	-.059903	.0070448	-8.50	0.000	-.0740332	-.0457729
pdcgrou2	-.0126459	.0029363	-4.31	0.000	-.0185354	-.0067564
pdcgrou3	.00063	.0022132	0.28	0.777	-.0038092	.0050691
pdcgrou4	-.0051122	.0022377	-2.28	0.026	-.0096004	-.0006239
pdcgrou5	-.0109242	.0126546	-0.86	0.392	-.0363061	.0144577
cohort2000	-.0154028	.0031544	-4.88	0.000	-.0217297	-.0090759
cohort2001	-.0213472	.0043714	-4.88	0.000	-.0301152	-.0125792
cohort2002	-.027507	.0069152	-3.98	0.000	-.0413772	-.0136369
cohort2003	-.0220272	.0079057	-2.79	0.007	-.037884	-.0061703
cohort2004	.0654655	.0170881	3.83	0.000	.031191	.0997399
award_b4_tsd	-.0059091	.013281	-0.44	0.658	-.0325474	.0207291
diaward_tsd	-.0012007	.0002518	-4.77	0.000	-.0017057	-.0006956
epeb4twp_flag	.0891315	.0575391	1.55	0.127	-.0262772	.2045402
ldwb4twp_flag	-.0205339	.0280046	-0.73	0.467	-.0767041	.0356363
ldwb4epe_flag	.3733464	.0320068	11.66	0.000	.3091488	.437544
twpb4tsd	.2990846	.0089645	33.36	0.000	.2811042	.317065
epeb4tsd	-.1640446	.0127995	-12.82	0.000	-.1897172	-.138372
ldwb4tsd	-.0918083	.0056822	-16.16	0.000	-.1032054	-.0804112
st_AL	-.0013085	.0047396	-0.28	0.784	-.010815	.008198
st_AR	.0277598	.004329	6.41	0.000	.0190769	.0364427
st_AZ	-.011597	.0044137	-2.63	0.011	-.0204499	-.0027441
st_CA	.0193734	.0041963	4.62	0.000	.0109567	.0277901
st_CO	.0344273	.0044649	7.71	0.000	.0254718	.0433828
st_CT	.0533424	.0042422	12.57	0.000	.0448337	.0618511
st_DC	-.0104772	.0046023	-2.28	0.027	-.0197083	-.0012461
st_DE	-.0627842	.0045471	-13.81	0.000	-.0719045	-.0536639
st_FL	-.0208656	.0044277	-4.71	0.000	-.0297464	-.0119848
st_GA	-.0015371	.004333	-0.35	0.724	-.0102281	.0071538
st_HI	.0162305	.0034949	4.64	0.000	.0092208	.0232403
st_IA	.0366447	.0044757	8.19	0.000	.0276675	.0456219
st_ID	.0100766	.0043333	2.33	0.024	.0013851	.0187681
st_IL	.018629	.0044879	4.15	0.000	.0096274	.0276305
st_IN	-.0155593	.004547	-3.42	0.001	-.0246795	-.0064391
st_KS	.0317864	.0042061	7.56	0.000	.0233501	.0402227
st_KY	-.0135672	.0046049	-2.95	0.005	-.0228034	-.004331
st_LA	.0202616	.0043356	4.67	0.000	.0115655	.0289578
st_MA	.0067076	.0045664	1.47	0.148	-.0024515	.0158667
st_MD	.0214145	.0045476	4.71	0.000	.0122931	.0305359
st_ME	.0262858	.0045518	5.77	0.000	.0171559	.0354156
st_MI	-.0058394	.0043209	-1.35	0.182	-.014506	.0028272
st_MN	.0308925	.0044711	6.91	0.000	.0219247	.0398604
st_MO	-.0063537	.0045183	-1.41	0.165	-.0154164	.0027089
st_MS	-.0180947	.0048728	-3.71	0.000	-.0278682	-.0083211
st_MT	-.0568974	.004744	-11.99	0.000	-.0664127	-.0473822
st_NC	-.0026467	.0045454	-0.58	0.563	-.0117637	.0064703
st_ND	-.1065989	.0051336	-20.76	0.000	-.1168956	-.0963022
st_NE	.0072707	.0044481	1.63	0.108	-.001651	.0161924
st_NH	.0260064	.0046092	5.64	0.000	.0167614	.0352513
st_NJ	.0118999	.0042891	2.77	0.008	.0032971	.0205027
st_NM	.0488249	.0051546	9.47	0.000	.0384861	.0591637
st_NV	-.03235	.0041634	-7.77	0.000	-.0407007	-.0239992
st_NY	.0047734	.0043333	1.10	0.276	-.0039182	.0134649
st_OH	.0062879	.0045308	1.39	0.171	-.0027997	.0153755
st_OK	-.00489	.0046113	-1.06	0.294	-.014139	.004359
st_OR	-.0080206	.0046551	-1.72	0.091	-.0173575	.0013164
st_PA	.0114628	.0044898	2.55	0.014	.0024575	.0204682

st_PR	-.0176318	.0045917	-3.84	0.000	-.0268416	-.008422
st_RI	.0390696	.0041631	9.38	0.000	.0307194	.0474198
st_SC	-.0206786	.0047252	-4.38	0.000	-.030156	-.0112011
st_SD	-.1042601	.0055681	-18.72	0.000	-.1154283	-.093092
st_TN	-.0229477	.004604	-4.98	0.000	-.0321822	-.0137133
st_TX	.0072754	.0046317	1.57	0.122	-.0020145	.0165654
st_UT	.0096787	.0044291	2.19	0.033	.000795	.0185623
st_VA	-.0105652	.0042483	-2.49	0.016	-.0190862	-.0020442
st_VT	-.0032429	.0044178	-0.73	0.466	-.012104	.0056181
st_WA	.0187317	.0043927	4.26	0.000	.0099212	.0275422
st_WI	.0306091	.0042572	7.19	0.000	.0220702	.039148
st_WV	.0042811	.0045267	0.95	0.349	-.0047982	.0133605
st_WY	.0062798	.004329	1.45	0.153	-.0024031	.0149628
pial	3.16e-06	8.14e-06	0.39	0.700	-.0000132	.0000195
pia_miss	.0039408	.0090931	0.43	0.666	-.0142977	.0221792
ime1	1.43e-06	1.78e-06	0.80	0.426	-2.15e-06	5.01e-06
ime_miss	-.0285461	.0038046	-7.50	0.000	-.0361771	-.0209151
_cons	.242331	.014894	16.27	0.000	.2124573	.2722046

(1) motoimm = 0

F(1, 53) = 2.39
 Prob > F = 0.1282

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(45, 53) = .
 Prob > F = .
 R-squared = 0.1236
 Root MSE = .25753

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0003762	.0001765	-2.13	0.038	-.0007302	-.0000222
male	.0025187	.0021264	1.18	0.242	-.0017463	.0067838
gendermiss_flag	-.055794	.0079528	-7.02	0.000	-.0717453	-.0398428
tsd_age	-.0024568	.0002181	-11.26	0.000	-.0028942	-.0020193
doage2	-.0003104	.0002286	-1.36	0.180	-.0007689	.0001481
doage2miss_flag	-.0701158	.0143476	-4.89	0.000	-.0988934	-.0413382
race_a	-.0003833	.0078746	-0.05	0.961	-.0161778	.0154112
race_b	.0166969	.0029323	5.69	0.000	.0108153	.0225784
race_h	-.0004427	.0015585	-0.28	0.778	-.0035687	.0026834
race_i	.0059221	.0118711	0.50	0.620	-.0178884	.0297325
race_o	.0058693	.0055163	1.06	0.292	-.005195	.0169336
race_mis	-.0077724	.0063289	-1.23	0.225	-.0204665	.0049217
tsd_edu_hs	.0072657	.0018472	3.93	0.000	.0035607	.0109708
tsd_edu_mrhs	.0274399	.0019434	14.12	0.000	.0235419	.0313378
tsd_edu_mis	.0143393	.0027113	5.29	0.000	.008901	.0197775
tsd_mie_exp	.0044614	.0057053	0.78	0.438	-.006982	.0159048
tsd_mie_mis	-.00946	.0033213	-2.85	0.006	-.0161218	-.0027983
tsd_mie_psbl	-.0069411	.0017905	-3.88	0.000	-.0105324	-.0033497
tsd_medicare	-.0225617	.0025001	-9.02	0.000	-.0275763	-.0175471
tsd_medicare_miss	-.0668478	.0083367	-8.02	0.000	-.0835691	-.0501266
tsd_depend_1	-.004018	.0021454	-1.87	0.067	-.0083212	.0002851
tsd_depend_2	-.0006716	.0018861	-0.36	0.723	-.0044545	.0031114
tsd_depend_miss	-.0253447	.0069568	-3.64	0.001	-.0392984	-.0113911

tsd_vrpr	-.0336842	.0072717	-4.63	0.000	-.0482693	-.019099
tsd_vrpr_miss	-.0854949	.007965	-10.73	0.000	-.1014708	-.0695191
pdcgrou2	-.0163438	.0032436	-5.04	0.000	-.0228497	-.0098379
pdcgrou3	-.0022528	.0022342	-1.01	0.318	-.006734	.0022284
pdcgrou4	-.007989	.0026263	-3.04	0.004	-.0132567	-.0027213
pdcgrou5	-.0210685	.0127599	-1.65	0.105	-.0466617	.0045247
cohort2000	-.0163973	.003807	-4.31	0.000	-.0240333	-.0087614
cohort2001	-.0238878	.0058131	-4.11	0.000	-.0355474	-.0122282
cohort2002	-.0308403	.0087505	-3.52	0.001	-.0483915	-.0132891
cohort2003	-.0265997	.0097459	-2.73	0.009	-.0461475	-.0070519
cohort2004	.0627946	.0211936	2.96	0.005	.0202857	.0153035
award_b4_tsd	.0041397	.0165449	0.25	0.803	-.0290451	.0373246
diaward_tsd	-.0013665	.0002936	-4.65	0.000	-.0019554	-.0007776
epeb4twp_flag	.0924785	.0596134	1.55	0.127	-.0270909	.2120478
ldwb4twp_flag	-.0269788	.029496	-0.91	0.365	-.0861403	.0321826
ldwb4epe_flag	.4730352	.0326989	14.47	0.000	.4074495	.538621
twpb4tsd	.3012329	.008691	34.66	0.000	.2838011	.3186648
epeb4tsd	-.1786328	.0127903	-13.97	0.000	-.204287	-.1529786
ldwb4tsd	-.0997627	.0059016	-16.90	0.000	-.1115997	-.0879256
st_AL	-.0191999	.0042281	-4.54	0.000	-.0276804	-.0107194
st_AR	.0106836	.0035847	2.98	0.004	.0034936	.0178737
st_AZ	-.0225676	.0036935	-6.11	0.000	-.0299759	-.0151593
st_CA	.0074349	.0032268	2.30	0.025	.0009627	.0139071
st_CO	.0057089	.0039819	1.43	0.158	-.0022777	.0136955
st_CT	.0523978	.0031907	16.42	0.000	.0459981	.0587976
st_DC	.0163931	.0036384	4.51	0.000	.0090955	.0236908
st_DE	-.0654462	.0040247	-16.26	0.000	-.0735188	-.0573737
st_FL	-.0211526	.0036443	-5.80	0.000	-.0284621	-.0138431
st_GA	-.0058272	.0034667	-1.68	0.099	-.0127805	.0011262
st_HI	.0019508	.0017069	1.14	0.258	-.0014729	.0053745
st_IA	.0226139	.0037012	6.11	0.000	.0151902	.0300376
st_ID	-.0047249	.0037613	-1.26	0.215	-.0122691	.0028194
st_IL	.0157879	.0036048	4.38	0.000	.0085575	.0230182
st_IN	-.0379762	.00405	-9.38	0.000	-.0460994	-.029853
st_KS	.040358	.0029794	13.55	0.000	.034382	.0463339
st_KY	-.0324165	.0040301	-8.04	0.000	-.0404998	-.0243332
st_LA	.0094043	.0034663	2.71	0.009	.0024518	.0163567
st_MA	.000081	.003936	0.02	0.984	-.0078135	.0079756
st_MD	.0030773	.0036851	0.84	0.407	-.0043141	.0104687
st_ME	.0112517	.0039932	2.82	0.007	.0032423	.0192611
st_MI	-.0099837	.0035603	-2.80	0.007	-.0171247	-.0028426
st_MN	.0140231	.003831	3.66	0.001	.0063391	.0217071
st_MO	-.0136961	.0039537	-3.46	0.001	-.0216263	-.005766
st_MS	-.0329479	.0044308	-7.44	0.000	-.0418349	-.0240609
st_MT	-.0877756	.0040972	-21.42	0.000	-.0959935	-.0795576
st_NC	-.0219934	.0039484	-5.57	0.000	-.0299129	-.0140739
st_ND	-.1348374	.0048301	-27.92	0.000	-.1445254	-.1251494
st_NE	-.0027053	.003695	-0.73	0.467	-.0101165	.0047058
st_NH	.0421078	.0040431	10.41	0.000	.0339985	.0502172
st_NJ	.0067035	.003387	1.98	0.053	-.00009	.0134969
st_NM	.0575757	.0048588	11.85	0.000	.0478303	.0673212
st_NV	-.0241091	.0028847	-8.36	0.000	-.0298951	-.0183231
st_NY	.0081068	.0034802	2.33	0.024	.0011264	.0150873
st_OH	-.0099903	.0038803	-2.57	0.013	-.0177733	-.0022074
st_OK	-.0149865	.0039897	-3.76	0.000	-.0229889	-.0069841
st_OR	.0121154	.0042609	2.84	0.006	.0035691	.0206617
st_PA	-.0004543	.0037566	-0.12	0.904	-.0079892	.0070805
st_PR	-.0388074	.0034436	-11.27	0.000	-.0457143	-.0319005
st_RI	.0263725	.0032216	8.19	0.000	.0199109	.0328341
st_SC	-.0401731	.004217	-9.53	0.000	-.0486313	-.031715
st_SD	-.1447286	.0056543	-25.60	0.000	-.1560698	-.1333875
st_TN	-.0420171	.0040043	-10.49	0.000	-.0500488	-.0339855
st_TX	-.0071682	.0039288	-1.82	0.074	-.0150484	.000712

st_UT	-.004789	.0037771	-1.27	0.210	-.0123648	.0027868
st_VA	-.0123404	.0031603	-3.90	0.000	-.0186793	-.0060016
st_VT	.0585774	.0036014	16.27	0.000	.0513539	.065801
st_WA	.0029831	.0035674	0.84	0.407	-.0041722	.0101384
st_WI	.0206744	.0034546	5.98	0.000	.0137454	.0276034
st_WV	-.0103848	.0038477	-2.70	0.009	-.0181023	-.0026673
st_WY	.0072043	.0034879	2.07	0.044	.0002085	.0142001
pial	.0000119	.0000112	1.06	0.293	-.0000105	.0000343
pia_miss	.0051126	.0096793	0.53	0.600	-.0143017	.0245268
ime1	-4.02e-07	2.38e-06	-0.17	0.866	-5.17e-06	4.37e-06
ime_miss	-.033573	.0042407	-7.92	0.000	-.0420788	-.0250671
_cons	.3155108	.018295	17.25	0.000	.2788157	.352206

(1) motoimm = 0

F(1, 53) = 4.54
 Prob > F = 0.0377

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(45, 53) = .
 Prob > F = .
 R-squared = 0.0185
 Root MSE = .17919

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	6.31e-06	.0001618	0.04	0.969	-.0003182	.0003308
male	.0022139	.0012888	1.72	0.092	-.0003712	.004799
gendermiss_flag	-.0289758	.0052814	-5.49	0.000	-.0395689	-.0183826
tsd_age	-.0014268	.0001871	-7.63	0.000	-.001802	-.0010516
doage2	.0001886	.0001587	1.19	0.240	-.0001296	.0005069
doage2miss_flag	.0318969	.0057582	5.54	0.000	.0203473	.0434464
race_a	-.0014271	.0035386	-0.40	0.688	-.0085247	.0056704
race_b	.007004	.0014911	4.70	0.000	.0040132	.0099947
race_h	.0005292	.0009491	0.56	0.579	-.0013745	.0024329
race_i	-.0055534	.0065864	-0.84	0.403	-.0187642	.0076573
race_o	.0106083	.0076339	1.39	0.170	-.0047034	.02592
race_mis	-.0057505	.0046112	-1.25	0.218	-.0149994	.0034985
tsd_edu_hs	.0025041	.0011089	2.26	0.028	.0002798	.0047283
tsd_edu_mrhs	.0111734	.0017077	6.54	0.000	.0077481	.0145987
tsd_edu_mis	.0038232	.0019413	1.97	0.054	-.0000705	.0077169
tsd_mie_exp	.0174559	.0040038	4.36	0.000	.0094253	.0254865
tsd_mie_mis	-.0009536	.0012692	-0.75	0.456	-.0034993	.0015922
tsd_mie_psbl	.0045855	.0009486	4.83	0.000	.0026829	.006488
tsd_medicare	-.0127059	.0023106	-5.50	0.000	-.0173404	-.0080714
tsd_medicare_miss	-.0240311	.0060397	-3.98	0.000	-.0361452	-.011917
tsd_depend_1	-.0023499	.0017742	-1.32	0.191	-.0059085	.0012088
tsd_depend_2	-.0004281	.0016841	-0.25	0.800	-.003806	.0029498
tsd_depend_miss	-.0177316	.0046886	-3.78	0.000	-.0271357	-.0083276
tsd_vrpr	-.0185411	.0054644	-3.39	0.001	-.0295012	-.0075809
tsd_vrpr_miss	-.0440981	.0047903	-9.21	0.000	-.0537061	-.03449
pdcgrou2	-.0110723	.0026947	-4.11	0.000	-.0164772	-.0056673
pdcgrou3	-.0076257	.0022921	-3.33	0.002	-.0122231	-.0030284
pdcgrou4	-.0073588	.002171	-3.39	0.001	-.0117132	-.0030043
pdcgrou5	.0114515	.011386	1.01	0.319	-.0113859	.0342889

cohort2000	-.004497	.0019595	-2.30	0.026	-.0084272	-.0005668
cohort2001	-.0056712	.0027207	-2.08	0.042	-.0111282	-.0002142
cohort2002	-.0044276	.0036928	-1.20	0.236	-.0118345	.0029794
cohort2003	-.0056513	.0041341	-1.37	0.177	-.0139432	.0026406
cohort2004	.0215532	.0138843	1.55	0.127	-.0062951	.0494016
award_b4_tsd	-.0086764	.0090743	-0.96	0.343	-.0268772	.0095244
diaward_tsd	-.0003762	.0001021	-3.69	0.001	-.000581	-.0001715
epeb4twp_flag	-.0089762	.1279882	-0.07	0.944	-.2656879	.2477356
ldwb4twp_flag	.1924873	.0736166	2.61	0.012	.0448312	.3401435
ldwb4epe_flag	.1051703	.0415513	2.53	0.014	.021829	.1885117
twpb4tsd	-.0119862	.0082936	-1.45	0.154	-.0286211	.0046488
epeb4tsd	-.0230654	.0023661	-9.75	0.000	-.0278111	-.0183197
ldwb4tsd	-.0164377	.0027005	-6.09	0.000	-.0218541	-.0110212
st_AL	-.0058443	.0030222	-1.93	0.058	-.0119061	.0002175
st_AR	-.0247328	.0033429	-7.40	0.000	-.0314378	-.0180278
st_AZ	.0156724	.0032478	4.83	0.000	.009158	.0221867
st_CA	.0046863	.0027761	1.69	0.097	-.0008819	.0102545
st_CO	-.0079861	.0031993	-2.50	0.016	-.0144032	-.0015691
st_CT	.0390821	.0035147	11.12	0.000	.0320325	.0461317
st_DC	.0162856	.0030506	5.34	0.000	.010167	.0224043
st_DE	-.0147125	.0032053	-4.59	0.000	-.0211415	-.0082836
st_FL	-.0223237	.0032887	-6.79	0.000	-.0289201	-.0157274
st_GA	-.0225435	.0031125	-7.24	0.000	-.0287863	-.0163006
st_HI	.0054528	.0024476	2.23	0.030	.0005436	.0103619
st_IA	.020392	.0034222	5.96	0.000	.013528	.027256
st_ID	.0050257	.0029444	1.71	0.094	-.00088	.0109314
st_IL	-.0198934	.0031979	-6.22	0.000	-.0263077	-.0134792
st_IN	.0081847	.0033052	2.48	0.017	.0015554	.0148141
st_KS	.014011	.0031755	4.41	0.000	.0076417	.0203803
st_KY	-.0127469	.0033459	-3.81	0.000	-.0194579	-.0060359
st_LA	.0075366	.0032851	2.29	0.026	.0009475	.0141256
st_MA	-.0027621	.0033785	-0.82	0.417	-.0095385	.0040143
st_MD	.0025295	.0029307	0.86	0.392	-.0033488	.0084077
st_ME	.003761	.0031418	1.20	0.237	-.0025406	.0100627
st_MI	.0019071	.0032391	0.59	0.559	-.0045897	.0084039
st_MN	.0029853	.0030234	0.99	0.328	-.003079	.0090495
st_MO	.0025044	.0032499	0.77	0.444	-.0040141	.0090229
st_MS	-.0193892	.0035073	-5.53	0.000	-.026424	-.0123544
st_MT	.0510877	.0035251	14.49	0.000	.0440173	.0581581
st_NC	-.0058237	.0029278	-1.99	0.052	-.0116961	.0000487
st_ND	-.0355525	.003083	-11.53	0.000	-.0417362	-.0293688
st_NE	-.0009	.0030961	-0.29	0.772	-.00711	.00531
st_NH	-.024935	.0033312	-7.49	0.000	-.0316166	-.0182534
st_NJ	.0034605	.0032045	1.08	0.285	-.0029668	.0098879
st_NM	.001219	.0031254	0.39	0.698	-.0050499	.0074878
st_NV	-.0331728	.0031321	-10.59	0.000	-.039455	-.0268906
st_NY	-.0033119	.003163	-1.05	0.300	-.0096561	.0030324
st_OH	-.0036339	.0030974	-1.17	0.246	-.0098466	.0025788
st_OK	-.0184294	.0031557	-5.84	0.000	-.0247589	-.0120999
st_OR	.0113239	.0033563	3.37	0.001	.004592	.0180558
st_PA	-.0014808	.0030058	-0.49	0.624	-.0075097	.0045481
st_PR	-.0193739	.0027934	-6.94	0.000	-.0249767	-.0137711
st_RI	.0106328	.0029345	3.62	0.001	.0047468	.0165187
st_SC	-.0284928	.0034111	-8.35	0.000	-.0353345	-.0216511
st_SD	-.0534595	.0065526	-8.16	0.000	-.0666024	-.0403166
st_TN	-.0215712	.0032246	-6.69	0.000	-.028039	-.0151035
st_TX	-.0026127	.002871	-0.91	0.367	-.0083712	.0031459
st_UT	-.0020514	.0029271	-0.70	0.486	-.0079223	.0038196
st_VA	-.007404	.0031717	-2.33	0.023	-.0137655	-.0010424
st_VT	-.0368313	.0033716	-10.92	0.000	-.0435938	-.0300687
st_WA	.0057438	.0029811	1.93	0.059	-.0002355	.0117231
st_WI	.0063335	.0032732	1.93	0.058	-.0002317	.0128988
st_WV	-.0052022	.0030908	-1.68	0.098	-.0114015	.0009972

st_WY	.0059498	.0031297	1.90	0.063	-.0003276	.0122273
pial	.0000113	4.84e-06	2.33	0.024	1.57e-06	.000021
pia_miss	.0176871	.0053551	3.30	0.002	.0069462	.028428
ime1	-2.99e-06	1.53e-06	-1.96	0.056	-6.05e-06	7.38e-08
ime_miss	-.0198405	.0027161	-7.30	0.000	-.0252884	-.0143926
_cons	.1409278	.0102404	13.76	0.000	.1203881	.1614675

(1) motoimm = 0

F(1, 53) = 0.00
 Prob > F = 0.9691

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(45, 53) = .
 Prob > F = .
 R-squared = 0.0328
 Root MSE = .23323

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0001313	.0001914	-0.69	0.496	-.0005152	.0002526
male	.0008672	.0014577	0.59	0.554	-.0020566	.0037911
gendermiss_flag	-.0524994	.0083153	-6.31	0.000	-.0691777	-.0358211
tsd_age	-.0025599	.0002254	-11.35	0.000	-.003012	-.0021077
doage2	.00036	.000224	1.61	0.114	-.0000893	.0008093
doage2miss_flag	.0671887	.0078125	8.60	0.000	.0515187	.0828586
race_a	-.0037145	.0056453	-0.66	0.513	-.0150375	.0076085
race_b	.0119508	.001862	6.42	0.000	.0082161	.0156856
race_h	.0003151	.0016849	0.19	0.852	-.0030643	.0036945
race_i	.003831	.007775	0.49	0.624	-.0117636	.0194256
race_o	.01451	.0089655	1.62	0.112	-.0034725	.0324924
race_mis	-.0078149	.0066768	-1.17	0.247	-.0212068	.005577
tsd_edu_hs	.006534	.0019215	3.40	0.001	.00268	.0103881
tsd_edu_mrhs	.0190118	.002452	7.75	0.000	.0140936	.0239299
tsd_edu_mis	.0059868	.0024527	2.44	0.018	.0010673	.0109064
tsd_mie_exp	.0212914	.0050687	4.20	0.000	.0111249	.0314579
tsd_mie_mis	-.0027677	.0020269	-1.37	0.178	-.0068331	.0012977
tsd_mie_psbl	.0063555	.0018174	3.50	0.001	.0027102	.0100009
tsd_medicare	-.019898	.0018711	-10.63	0.000	-.0236508	-.0161451
tsd_medicare_miss	-.0449563	.0086004	-5.23	0.000	-.0622065	-.027706
tsd_depend_1	-.0035425	.0017896	-1.98	0.053	-.0071321	.000047
tsd_depend_2	.0004614	.0019237	0.24	0.811	-.003397	.0043198
tsd_depend_miss	-.024319	.0056143	-4.33	0.000	-.0355799	-.0130581
tsd_vrpr	-.0547672	.0080873	-6.77	0.000	-.0709882	-.0385462
tsd_vrpr_miss	-.0982513	.0079838	-12.31	0.000	-.1142647	-.0822379
pdcgrou2	-.0203721	.0036314	-5.61	0.000	-.0276558	-.0130883
pdcgrou3	-.0110626	.0036518	-3.03	0.004	-.0183872	-.0037381
pdcgrou4	-.0159047	.0033817	-4.70	0.000	-.0226875	-.009122
pdcgrou5	-.0026683	.0107666	-0.25	0.805	-.0242633	.0189268
cohort2000	-.0105684	.002614	-4.04	0.000	-.0158115	-.0053253
cohort2001	-.014615	.0040937	-3.57	0.001	-.0228259	-.0064041
cohort2002	-.0184326	.0059129	-3.12	0.003	-.0302923	-.0065729
cohort2003	-.024165	.0075681	-3.19	0.002	-.0393447	-.0089853
cohort2004	.0333834	.01957	1.71	0.094	-.0058692	.0726359
award_b4_tsd	.0039457	.0126969	0.31	0.757	-.0215211	.0294125

diaward_tsd	-.0007199	.0001789	-4.02	0.000	-.0010788	-.000361
epeb4twp_flag	.1884885	.163808	1.15	0.255	-.1400688	.5170458
ldwb4twp_flag	.1769216	.0960853	1.84	0.071	-.0158011	.3696444
ldwb4epe_flag	.2132432	.0409834	5.20	0.000	.1310409	.2954455
twpb4tsd	-.0334779	.0118505	-2.83	0.007	-.0572471	-.0097088
epeb4tsd	-.0427309	.0034512	-12.38	0.000	-.049653	-.0358087
ldwb4tsd	-.0264366	.0034004	-7.77	0.000	-.033257	-.0196162
st_AL	-.0021795	.0028025	-0.78	0.440	-.0078006	.0034415
st_AR	.0121977	.0030874	3.95	0.000	.0060051	.0183903
st_AZ	.0008765	.0029052	0.30	0.764	-.0049507	.0067037
st_CA	.017623	.0025973	6.79	0.000	.0124135	.0228325
st_CO	.0429435	.0026135	16.43	0.000	.0377014	.0481856
st_CT	.0686602	.002689	25.53	0.000	.0632667	.0740537
st_DC	-.000434	.0033521	-0.13	0.897	-.0071576	.0062895
st_DE	-.0440934	.0039248	-11.23	0.000	-.0519656	-.0362211
st_FL	-.0151648	.0027616	-5.49	0.000	-.0207039	-.0096257
st_GA	-.0131716	.0029288	-4.50	0.000	-.0190461	-.0072972
st_HI	.015632	.0024288	6.44	0.000	.0107605	.0205035
st_IA	.0428051	.0028644	14.94	0.000	.0370598	.0485504
st_ID	.01109	.0028815	3.85	0.000	.0053104	.0168696
st_IL	.0109817	.0029408	3.73	0.000	.0050832	.0168802
st_IN	-.0016989	.0034508	-0.49	0.625	-.0086204	.0052225
st_KS	.0795739	.002601	30.59	0.000	.074357	.0847909
st_KY	-.0192489	.0031779	-6.06	0.000	-.0256229	-.0128749
st_LA	.0454251	.0027688	16.41	0.000	.0398717	.0509785
st_MA	.0272563	.0031098	8.76	0.000	.0210188	.0334938
st_MD	.0064629	.0028307	2.28	0.026	.0007852	.0121406
st_ME	.0196401	.0029646	6.62	0.000	.0136939	.0255863
st_MI	.0083566	.0027827	3.00	0.004	.0027752	.013938
st_MN	.0142532	.0030659	4.65	0.000	.0081037	.0204027
st_MO	.021032	.0027647	7.61	0.000	.0154866	.0265774
st_MS	-.0180648	.0032565	-5.55	0.000	-.0245965	-.0115331
st_MT	.0280737	.0029344	9.57	0.000	.022188	.0339593
st_NC	-.0030119	.0029553	-1.02	0.313	-.0089395	.0029157
st_ND	-.0491527	.0029026	-16.93	0.000	-.0549746	-.0433308
st_NE	.0170007	.00267	6.37	0.000	.0116452	.0223561
st_NH	.0450276	.0030135	14.94	0.000	.0389833	.0510718
st_NJ	.0018075	.0026512	0.68	0.498	-.0035102	.0071252
st_NM	-.000428	.0030658	-0.14	0.890	-.0065772	.0057212
st_NV	-.0278804	.0025748	-10.83	0.000	-.0330449	-.022716
st_NY	.0225246	.0025407	8.87	0.000	.0174286	.0276207
st_OH	.0008453	.0030527	0.28	0.783	-.0052776	.0069682
st_OK	-.0204934	.0031703	-6.46	0.000	-.0268522	-.0141347
st_OR	.0291994	.002884	10.12	0.000	.0234147	.034984
st_PA	.0087652	.0028727	3.05	0.004	.0030034	.0145271
st_PR	-.0239693	.002484	-9.65	0.000	-.0289516	-.018987
st_RI	.0241801	.0026713	9.05	0.000	.0188221	.0295381
st_SC	-.0410963	.0031424	-13.08	0.000	-.0473992	-.0347933
st_SD	-.0875599	.0053751	-16.29	0.000	-.098341	-.0767789
st_TN	-.0191622	.0031443	-6.09	0.000	-.0254689	-.0128555
st_TX	.004895	.0028469	1.72	0.091	-.0008152	.0106052
st_UT	.0044031	.0026875	1.64	0.107	-.0009873	.0097935
st_VA	.0243766	.0026851	9.08	0.000	.018991	.0297622
st_VT	-.0140654	.0034566	-4.07	0.000	-.0209986	-.0071323
st_WA	.0151946	.0027228	5.58	0.000	.0097335	.0206558
st_WI	.0102298	.0029119	3.51	0.001	.0043892	.0160703
st_WV	.002784	.0028369	0.98	0.331	-.0029062	.0084741
st_WY	.0004734	.0027059	0.17	0.862	-.004954	.0059007
pial	.000031	6.66e-06	4.65	0.000	.0000176	.0000443
pia_miss	.0360984	.006384	5.65	0.000	.0232937	.0489031
ime1	-8.76e-06	2.55e-06	-3.43	0.001	-.0000139	-3.64e-06
ime_miss	-.0389213	.0048884	-7.96	0.000	-.0487263	-.0291164
_cons	.2676597	.017077	15.67	0.000	.2334076	.3019118

(1) motoimm = 0

F(1, 53) = 0.47
 Prob > F = 0.4957

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(45, 53) = .
 Prob > F = .
 R-squared = 0.0426
 Root MSE = .26148

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0003578	.0001772	-2.02	0.049	-.0007132	-2.38e-06
male	.0003651	.0013973	0.26	0.795	-.0024375	.0031678
gendermiss_flag	-.0695034	.0106124	-6.55	0.000	-.0907891	-.0482177
tsd_age	-.0033057	.0002976	-11.11	0.000	-.0039025	-.0027088
doage2	.0004184	.0002654	1.58	0.121	-.0001139	.0009507
doage2miss_flag	.0949075	.0094318	10.06	0.000	.0759896	.1138253
race_a	-.0056565	.005892	-0.96	0.341	-.0174743	.0061612
race_b	.0133639	.0024558	5.44	0.000	.0084383	.0182895
race_h	-.0007192	.0020103	-0.36	0.722	-.0047514	.0033131
race_i	.0100203	.0097665	1.03	0.310	-.0095689	.0296094
race_o	.0164365	.0098167	1.67	0.100	-.0032532	.0361263
race_mis	-.0118877	.0067751	-1.75	0.085	-.0254768	.0017013
tsd_edu_hs	.0079391	.0027114	2.93	0.005	.0025007	.0133776
tsd_edu_mrhs	.0251308	.0023901	10.51	0.000	.0203369	.0299247
tsd_edu_mis	.0062692	.0024632	2.55	0.014	.0013286	.0112099
tsd_mie_exp	.025811	.0057472	4.49	0.000	.0142836	.0373385
tsd_mie_mis	-.001652	.0028364	-0.58	0.563	-.007341	.0040371
tsd_mie_psbl	.0091072	.0023989	3.80	0.000	.0042956	.0139188
tsd_medicare	-.0221522	.0021758	-10.18	0.000	-.0265163	-.0177881
tsd_medicare_miss	-.0592947	.0093847	-6.32	0.000	-.0781181	-.0404713
tsd_depend_1	-.0041818	.0019784	-2.11	0.039	-.0081499	-.0002137
tsd_depend_2	.0028142	.002226	1.26	0.212	-.0016507	.007279
tsd_depend_miss	-.0273992	.0058194	-4.71	0.000	-.0390714	-.015727
tsd_vrpr	-.0799664	.0100792	-7.93	0.000	-.1001827	-.05975
tsd_vrpr_miss	-.1327902	.0105466	-12.59	0.000	-.1539439	-.1116364
pdcgrou2	-.0247907	.0041194	-6.02	0.000	-.0330531	-.0165283
pdcgrou3	-.0156885	.0041219	-3.81	0.000	-.023956	-.007421
pdcgrou4	-.0211439	.0038463	-5.50	0.000	-.0288587	-.0134291
pdcgrou5	-.0158545	.0101047	-1.57	0.123	-.0361219	.004413
cohort2000	-.0100943	.003212	-3.14	0.003	-.0165367	-.0036519
cohort2001	-.0146621	.0042735	-3.43	0.001	-.0232337	-.0060904
cohort2002	-.0179322	.006057	-2.96	0.005	-.030081	-.0057833
cohort2003	-.0248211	.0073216	-3.39	0.001	-.0395064	-.0101358
cohort2004	.0424847	.0210226	2.02	0.048	.0003186	.0846507
award_b4_tsd	.01489	.012089	1.23	0.223	-.0093574	.0391374
diaward_tsd	-.0007099	.0001656	-4.29	0.000	-.0010421	-.0003776
epeb4twp_flag	.294089	.188249	1.56	0.124	-.0834907	.6716687
ldwb4twp_flag	.3483091	.1203736	2.89	0.006	.1068702	.589748
ldwb4epe_flag	.2619312	.0395485	6.62	0.000	.182607	.3412555
twpb4tsd	-.0536374	.0122424	-4.38	0.000	-.0781926	-.0290823
epeb4tsd	-.0532357	.0036253	-14.68	0.000	-.0605072	-.0459642

ldwb4tsd	-.0328051	.0033713	-9.73	0.000	-.0395671	-.0260432
st_AL	-.0168854	.0026409	-6.39	0.000	-.0221824	-.0115885
st_AR	.0163376	.0028334	5.77	0.000	.0106544	.0220207
st_AZ	.0002752	.0026783	0.10	0.919	-.0050967	.0056471
st_CA	.0115115	.0023325	4.94	0.000	.0068331	.0161899
st_CO	.0568307	.0023597	24.08	0.000	.0520977	.0615636
st_CT	.074307	.0026052	28.52	0.000	.0690817	.0795322
st_DC	.0265131	.0029289	9.05	0.000	.0206385	.0323877
st_DE	-.0787073	.0036655	-21.47	0.000	-.0860594	-.0713551
st_FL	-.0192221	.0028256	-6.80	0.000	-.0248896	-.0135546
st_GA	-.0128912	.002728	-4.73	0.000	-.0183628	-.0074196
st_HI	.0056431	.0020939	2.70	0.009	.0014433	.009843
st_IA	.0422776	.0028328	14.92	0.000	.0365957	.0479595
st_ID	-.0011395	.0028457	-0.40	0.690	-.0068474	.0045683
st_IL	.0203422	.002807	7.25	0.000	.014712	.0259723
st_IN	-.0196209	.0030734	-6.38	0.000	-.0257854	-.0134565
st_KS	.1107112	.0026396	41.94	0.000	.1054168	.1160055
st_KY	-.0249451	.0030252	-8.25	0.000	-.0310129	-.0188774
st_LA	.0336885	.0025022	13.46	0.000	.0286698	.0387072
st_MA	.022147	.003004	7.37	0.000	.0161217	.0281724
st_MD	-.0065607	.0025941	-2.53	0.014	-.0117638	-.0013575
st_ME	.0093622	.0027624	3.39	0.001	.0038215	.0149029
st_MI	.0192832	.0026407	7.30	0.000	.0139866	.0245798
st_MN	.0028693	.0028605	1.00	0.320	-.0028681	.0086068
st_MO	.0232697	.0024647	9.44	0.000	.0183261	.0282134
st_MS	-.0350694	.0032274	-10.87	0.000	-.0415428	-.0285961
st_MT	-.0025503	.0029394	-0.87	0.390	-.0084459	.0033453
st_NC	-.0191928	.0028758	-6.67	0.000	-.024961	-.0134245
st_ND	-.074675	.0024297	-30.73	0.000	-.0795483	-.0698016
st_NE	.0044362	.0026213	1.69	0.096	-.0008214	.0096938
st_NH	.0296356	.0028074	10.56	0.000	.0240046	.0352666
st_NJ	-.0034969	.002379	-1.47	0.148	-.0082686	.0012748
st_NM	-.0105733	.0028662	-3.69	0.001	-.0163222	-.0048244
st_NV	-.0092093	.0024939	-3.69	0.001	-.0142113	-.0042072
st_NY	.03546	.0022644	15.66	0.000	.0309182	.0400018
st_OH	-.0126206	.0029426	-4.29	0.000	-.0185227	-.0067185
st_OK	.0239676	.0027541	8.70	0.000	.0184435	.0294916
st_OR	.038418	.0027151	14.15	0.000	.0329722	.0438639
st_PA	.0010116	.0026381	0.38	0.703	-.0042797	.0063029
st_PR	-.0442237	.0028945	-15.28	0.000	-.0500292	-.0384181
st_RI	.0139963	.0027059	5.17	0.000	.0085691	.0194236
st_SC	-.0544466	.0029319	-18.57	0.000	-.0603272	-.0485659
st_SD	-.0124228	.005511	-2.25	0.028	-.0234765	-.0013691
st_TN	-.044381	.0027522	-16.13	0.000	-.0499012	-.0388607
st_TX	-.00578	.0026267	-2.20	0.032	-.0110485	-.0005116
st_UT	-.0054443	.0026051	-2.09	0.041	-.0106695	-.0002191
st_VA	.0165392	.0024337	6.80	0.000	.0116578	.0214207
st_VT	-.0457642	.0031695	-14.44	0.000	-.0521213	-.0394071
st_WA	.0084118	.0025249	3.33	0.002	.0033475	.0134761
st_WI	.0118217	.0026285	4.50	0.000	.0065497	.0170937
st_WV	-.0071573	.0026509	-2.70	0.009	-.0124743	-.0018404
st_WY	.0052515	.0026891	1.95	0.056	-.000142	.0106451
pial	.0000424	.0000103	4.10	0.000	.0000217	.0000632
pia_miss	.0409572	.0074604	5.49	0.000	.0259934	.0559209
ime1	-.0000116	3.10e-06	-3.75	0.000	-.0000178	-5.40e-06
ime_miss	-.0474355	.0047361	-10.02	0.000	-.0569349	-.0379361
_cons	.3531113	.0180849	19.53	0.000	.3168376	.3893849

(1) motoimm = 0

F(1, 53) = 4.08
 Prob > F = 0.0485

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(45, 53) = .
 Prob > F = .
 R-squared = 0.0481
 Root MSE = .27658

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0002634	.0001833	-1.44	0.157	-.0006311	.0001043
male	-.0003254	.0018352	-0.18	0.860	-.0040064	.0033556
gendermiss_flag	-.0797899	.0118786	-6.72	0.000	-.1036153	-.0559644
tsd_age	-.0037643	.0003487	-10.79	0.000	-.0044638	-.0030648
doage2	.000373	.0002988	1.25	0.217	-.0002263	.0009722
doage2miss_flag	.1124461	.0105698	10.64	0.000	.0912459	.1336464
race_a	-.0085177	.0068994	-1.23	0.222	-.0223562	.0053207
race_b	.0159213	.0024279	6.56	0.000	.0110514	.0207911
race_h	.0001927	.0025766	0.07	0.941	-.0049753	.0053606
race_i	.0009681	.0095161	0.10	0.919	-.0181187	.0200549
race_o	.0149362	.0100418	1.49	0.143	-.0052051	.0350775
race_mis	-.0147838	.0072867	-2.03	0.048	-.0293991	-.0001685
tsd_edu_hs	.0095716	.0027363	3.50	0.001	.0040833	.0150599
tsd_edu_mrhs	.0284664	.0024787	11.48	0.000	.0234948	.033438
tsd_edu_mis	.006857	.0028937	2.37	0.021	.001053	.0126611
tsd_mie_exp	.0270494	.0055719	4.85	0.000	.0158735	.0382252
tsd_mie_mis	.000607	.0030266	0.20	0.842	-.0054636	.0066776
tsd_mie_psbl	.0117315	.0024785	4.73	0.000	.0067603	.0167028
tsd_medicare	-.0243117	.0021661	-11.22	0.000	-.0286564	-.019967
tsd_medicare_miss	-.0674879	.0100316	-6.73	0.000	-.0876087	-.0473671
tsd_depend_1	-.0047845	.0022292	-2.15	0.036	-.0092557	-.0003132
tsd_depend_2	.0026864	.0025506	1.05	0.297	-.0024295	.0078023
tsd_depend_miss	-.0291082	.0071603	-4.07	0.000	-.04347	-.0147463
tsd_vrpr	-.0886976	.009815	-9.04	0.000	-.108384	-.0690112
tsd_vrpr_miss	-.1451558	.0102373	-14.18	0.000	-.1656894	-.1246223
pdcgrou2	-.0291665	.0046612	-6.26	0.000	-.0385157	-.0198173
pdcgrou3	-.0177311	.0042505	-4.17	0.000	-.0262566	-.0092056
pdcgrou4	-.0236243	.0040737	-5.80	0.000	-.0317951	-.0154536
pdcgrou5	-.0236473	.0095581	-2.47	0.017	-.0428184	-.0044761
cohort2000	-.0117514	.003463	-3.39	0.001	-.0186972	-.0048055
cohort2001	-.0166432	.0043991	-3.78	0.000	-.0254666	-.0078198
cohort2002	-.0210731	.00533	-3.95	0.000	-.0317638	-.0103824
cohort2003	-.0279191	.0062433	-4.47	0.000	-.0404415	-.0153967
cohort2004	.0520264	.0240323	2.16	0.035	.0038236	.1002291
award_b4_tsd	.0071698	.0148772	0.48	0.632	-.02267	.0370097
diaward_tsd	-.000722	.0001391	-5.19	0.000	-.0010009	-.000443
epeb4twp_flag	.3391164	.185923	1.82	0.074	-.033798	.7120307
ldwb4twp_flag	.6442318	.0840477	7.67	0.000	.4756534	.8128101
ldwb4epe_flag	.2790447	.0381555	7.31	0.000	.2025145	.355575
twpb4tsd	-.0659639	.0122787	-5.37	0.000	-.0905918	-.0413359
epeb4tsd	-.0594873	.003925	-15.16	0.000	-.0673598	-.0516147
ldwb4tsd	-.0372147	.0033487	-11.11	0.000	-.0439314	-.0304981
st_AL	-.0164419	.0033934	-4.85	0.000	-.0232482	-.0096357
st_AR	.0221163	.0034583	6.40	0.000	.0151799	.0290527
st_AZ	.0350883	.0033051	10.62	0.000	.0284592	.0417175
st_CA	.0179192	.0027851	6.43	0.000	.012333	.0235053
st_CO	.0519231	.0029098	17.84	0.000	.0460868	.0577594

st_CT	.0955501	.0030598	31.23	0.000	.089413	.1016872
st_DC	.0225862	.0038918	5.80	0.000	.0147803	.0303922
st_DE	-.0568506	.0044757	-12.70	0.000	-.0658278	-.0478734
st_FL	.0132882	.0034926	3.80	0.000	.0062829	.0202935
st_GA	-.0011756	.0034767	-0.34	0.737	-.008149	.0057977
st_HI	.0152968	.0023271	6.57	0.000	.0106291	.0199644
st_IA	.0508307	.0033916	14.99	0.000	.044028	.0576334
st_ID	.0016865	.0034927	0.48	0.631	-.0053189	.0086919
st_IL	.0537997	.0034161	15.75	0.000	.0469479	.0606516
st_IN	.0011343	.0038481	0.29	0.769	-.0065841	.0088527
st_KS	.1285803	.0032873	39.11	0.000	.1219867	.1351738
st_KY	-.0268968	.0038282	-7.03	0.000	-.0345752	-.0192184
st_LA	.0528552	.0031192	16.95	0.000	.0465989	.0591114
st_MA	.0679142	.0036522	18.60	0.000	.0605888	.0752396
st_MD	-.0073555	.0033138	-2.22	0.031	-.0140022	-.0007088
st_ME	.0167233	.0034545	4.84	0.000	.0097945	.0236521
st_MI	.0299758	.0032762	9.15	0.000	.0234045	.036547
st_MN	.0084634	.0035245	2.40	0.020	.0013942	.0155325
st_MO	.0523678	.0031658	16.54	0.000	.046018	.0587176
st_MS	-.0282442	.0040352	-7.00	0.000	-.0363378	-.0201507
st_MT	-.0085066	.0036851	-2.31	0.025	-.0158981	-.0011151
st_NC	-.0171298	.0036176	-4.74	0.000	-.0243858	-.0098738
st_ND	-.0782564	.0028521	-27.44	0.000	-.083977	-.0725357
st_NE	.0134501	.0032293	4.16	0.000	.0069729	.0199273
st_NH	.0540778	.0034951	15.47	0.000	.0470675	.0610881
st_NJ	.0073683	.0029382	2.51	0.015	.0014749	.0132617
st_NM	.0044186	.0033653	1.31	0.195	-.0023313	.0111685
st_NV	-.0150295	.0029981	-5.01	0.000	-.0210429	-.0090161
st_NY	.0534559	.0028269	18.91	0.000	.0477859	.0591258
st_OH	-.0093243	.0036404	-2.56	0.013	-.0166259	-.0020227
st_OK	.0554381	.0034826	15.92	0.000	.0484528	.0624233
st_OR	.0833626	.0031681	26.31	0.000	.0770082	.089717
st_PA	.007899	.0033213	2.38	0.021	.0012374	.0145607
st_PR	-.0456139	.0031772	-14.36	0.000	-.0519865	-.0392413
st_RI	.0232411	.0032723	7.10	0.000	.0166778	.0298045
st_SC	-.0569195	.0036978	-15.39	0.000	-.0643365	-.0495026
st_SD	-.0203984	.0054076	-3.77	0.000	-.0312447	-.0095521
st_TN	-.0416563	.0035616	-11.70	0.000	-.0488	-.0345127
st_TX	-.0019417	.0032491	-0.60	0.553	-.0084586	.0045753
st_UT	.0022693	.0031552	0.72	0.475	-.0040592	.0085978
st_VA	.020842	.0030183	6.91	0.000	.014788	.026896
st_VT	-.0523495	.0039607	-13.22	0.000	-.0602937	-.0444052
st_WA	.017746	.0031214	5.69	0.000	.0114853	.0240067
st_WI	.0251408	.0033337	7.54	0.000	.0184542	.0318273
st_WV	-.0064586	.0033406	-1.93	0.059	-.013159	.0002418
st_WY	.0004474	.0032529	0.14	0.891	-.006077	.0069718
pial	.0000464	9.01e-06	5.15	0.000	.0000283	.0000645
pia_miss	.0406949	.0076967	5.29	0.000	.0252574	.0561325
ime1	-.0000128	2.86e-06	-4.48	0.000	-.0000185	-7.08e-06
ime_miss	-.0525607	.0051039	-10.30	0.000	-.0627979	-.0423235
_cons	.3912645	.0186942	20.93	0.000	.3537686	.4287604

(1) motoimm = 0

F(1, 53) = 2.06
 Prob > F = 0.1566

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657

F(45, 53) = .
 Prob > F = .
 R-squared = 0.2936
 Root MSE = .13302

(Std. Err. adjusted for 54 clusters in tsd_state)

-----		Robust				
-----	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	

srvroll12						
motoimm	-.0006034	.0001237	-4.88	0.000	-.0008515	-.0003553
male	.0008408	.0009341	0.90	0.372	-.0010327	.0027143
gendermiss_flag	.1905403	.1421329	1.34	0.186	-.0945422	.4756228
tsd_age	-.000203	.0001213	-1.67	0.100	-.0004464	.0000404
doage2	-.0000357	.0000918	-0.39	0.699	-.0002199	.0001485
doage2miss_flag	-.000148	.0029173	-0.05	0.960	-.0059995	.0057034
race_a	-.000656	.0019018	-0.34	0.731	-.0044705	.0031585
race_b	.002315	.0010995	2.11	0.040	.0001098	.0045203
race_h	-.0007001	.0013065	-0.54	0.594	-.0033206	.0019203
race_i	-.0066573	.0049511	-1.34	0.184	-.016588	.0032733
race_o	-.0030152	.0018711	-1.61	0.113	-.0067681	.0007377
race_mis	-.0016343	.0028494	-0.57	0.569	-.0073495	.0040809
tsd_edu_hs	.0015635	.0010261	1.52	0.134	-.0004946	.0036217
tsd_edu_mrhs	.0072205	.0018606	3.88	0.000	.0034886	.0109524
tsd_edu_mis	.0022387	.0012895	1.74	0.088	-.0003476	.0048251
tsd_mie_exp	.0006637	.0032023	0.21	0.837	-.0057594	.0070867
tsd_mie_mis	-.0000144	.002046	-0.01	0.994	-.004118	.0040893
tsd_mie_psbl	.0011466	.0013136	0.87	0.387	-.0014881	.0037813
tsd_medicare	-.0024563	.0012677	-1.94	0.058	-.0049991	.0000864
tsd_medicare_miss	-.0049172	.0036513	-1.35	0.184	-.0122408	.0024064
tsd_depend_1	-.0006882	.0009062	-0.76	0.451	-.0025058	.0011294
tsd_depend_2	-.0017048	.0007033	-2.42	0.019	-.0031155	-.0002942
tsd_depend_miss	-.0036893	.0038399	-0.96	0.341	-.0113912	.0040126
tsd_vrpr	-.4525114	.0129737	-34.88	0.000	-.4785334	-.4264894
tsd_vrpr_miss	-.4761876	.0121545	-39.18	0.000	-.5005664	-.4518088
pdcgroup2	-.0020361	.0016503	-1.23	0.223	-.0053461	.001274
pdcgroup3	-.0009284	.001833	-0.51	0.615	-.0046048	.0027481
pdcgroup4	.0007467	.0013553	0.55	0.584	-.0019718	.0034651
pdcgroup5	-.0050549	.0098936	-0.51	0.612	-.024899	.0147892
cohort2000	-.0011032	.0017624	-0.63	0.534	-.0046381	.0024318
cohort2001	-.0004914	.0025812	-0.19	0.850	-.0056686	.0046857
cohort2002	-.0025815	.004401	-0.59	0.560	-.0114088	.0062458
cohort2003	-.0014962	.0051496	-0.29	0.773	-.011825	.0088327
cohort2004	-.0147788	.0079448	-1.86	0.068	-.0307141	.0011564
award_b4_tsd	-.0020507	.0046027	-0.45	0.658	-.0112825	.007181
diaward_tsd	-.000083	.0001262	-0.66	0.513	-.0003361	.00017
epeb4twp_flag	-.0718485	.0510436	-1.41	0.165	-.1742291	.030532
ldwb4twp_flag	.0093604	.0153149	0.61	0.544	-.0213574	.0400781
ldwb4epe_flag	-.001951	.0181224	-0.11	0.915	-.0382998	.0343979
twpb4tsd	.0029634	.0020023	1.48	0.145	-.0010526	.0069794
epeb4tsd	.0054526	.0022203	2.46	0.017	.0009993	.009906
ldwb4tsd	-.007757	.0029436	-2.64	0.011	-.0136611	-.0018529
st_AL	.0101137	.0028699	3.52	0.001	.0043575	.0158699
st_AR	-.001242	.0029843	-0.42	0.679	-.0072277	.0047437
st_AZ	.0182812	.0029951	6.10	0.000	.0122738	.0242885
st_CA	.0066004	.0028676	2.30	0.025	.0008487	.012352
st_CO	.0264867	.0028769	9.21	0.000	.0207163	.0322571
st_CT	.0060013	.0029974	2.00	0.050	-.0000108	.0120134
st_DC	-.0094609	.0031727	-2.98	0.004	-.0158245	-.0030972
st_DE	.0127482	.003228	3.95	0.000	.0062737	.0192227
st_FL	-.0031868	.0029017	-1.10	0.277	-.0090069	.0026334
st_GA	-.0078259	.0029083	-2.69	0.010	-.0136591	-.0019926
st_HI	.0010152	.0028307	0.36	0.721	-.0046624	.0066929

st_IA	-.0093907	.0029948	-3.14	0.003	-.0153976	-.0033839
st_ID	.0129319	.0029858	4.33	0.000	.0069431	.0189207
st_IL	.0092668	.0029477	3.14	0.003	.0033545	.015179
st_IN	.0033158	.002922	1.13	0.262	-.0025449	.0091765
st_KS	.0047135	.0029772	1.58	0.119	-.0012581	.010685
st_KY	-.003404	.0029881	-1.14	0.260	-.0093974	.0025894
st_LA	-.0056919	.0029294	-1.94	0.057	-.0115677	.0001838
st_MA	.0082162	.0030047	2.73	0.008	.0021895	.0142429
st_MD	.0041801	.0029225	1.43	0.159	-.0016818	.0100419
st_ME	.0150106	.0029724	5.05	0.000	.0090486	.0209725
st_MI	.0014418	.0029717	0.49	0.630	-.0045187	.0074022
st_MN	.0060786	.0030387	2.00	0.051	-.0000163	.0121736
st_MO	.0049082	.0029741	1.65	0.105	-.0010571	.0108736
st_MS	-.0049958	.0029225	-1.71	0.093	-.0108576	.000866
st_MT	.0204199	.0034202	5.97	0.000	.0135598	.02728
st_NC	.0014368	.0029007	0.50	0.622	-.0043813	.0072548
st_ND	-.010847	.0031365	-3.46	0.001	-.017138	-.004556
st_NE	.0126096	.0030401	4.15	0.000	.006512	.0187072
st_NH	-.0330224	.0030478	-10.83	0.000	-.0391356	-.0269092
st_NJ	.0016273	.0029874	0.54	0.588	-.0043647	.0076193
st_NM	.0151399	.0030532	4.96	0.000	.009016	.0212637
st_NV	-.0056691	.0029995	-1.89	0.064	-.0116853	.000347
st_NY	.0181267	.0029846	6.07	0.000	.0121403	.024113
st_OH	.0133037	.0029646	4.49	0.000	.0073574	.01925
st_OK	-.002378	.0029025	-0.82	0.416	-.0081997	.0034437
st_OR	.0229107	.0030205	7.58	0.000	.0168523	.0289692
st_PA	.0091397	.0029641	3.08	0.003	.0031945	.0150849
st_PR	.0027144	.002898	0.94	0.353	-.0030983	.0085271
st_RI	.0042872	.0028511	1.50	0.139	-.0014313	.0100058
st_SC	-.0111117	.0029568	-3.76	0.000	-.0170424	-.005181
st_SD	-.0050993	.0037401	-1.36	0.179	-.012601	.0024024
st_TN	.0123169	.0029408	4.19	0.000	.0064185	.0182154
st_TX	.0056233	.0028954	1.94	0.057	-.000184	.0114307
st_UT	.0146926	.0029767	4.94	0.000	.0087222	.0206631
st_VA	-.0001668	.00296	-0.06	0.955	-.0061037	.0057701
st_VT	-.0236366	.0030904	-7.65	0.000	-.0298351	-.017438
st_WA	.0107436	.0029386	3.66	0.001	.0048494	.0166377
st_WI	.0047056	.0029695	1.58	0.119	-.0012505	.0106616
st_WV	.0075634	.0029899	2.53	0.014	.0015664	.0135604
st_WY	.0042498	.0030242	1.41	0.166	-.001816	.0103156
pial	6.05e-06	4.73e-06	1.28	0.207	-3.44e-06	.0000155
pia_miss	.0036563	.0040361	0.91	0.369	-.0044391	.0117516
ime1	-1.73e-06	1.37e-06	-1.26	0.213	-4.48e-06	1.02e-06
ime_miss	-.00284	.0016901	-1.68	0.099	-.0062299	.0005498
_cons	.4864039	.0159813	30.44	0.000	.4543496	.5184583

(1) motoimm = 0

F(1, 53) = 23.80
 Prob > F = 0.0000

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(45, 53) = .
 Prob > F = .
 R-squared = 0.4501
 Root MSE = .14641

(Std. Err. adjusted for 54 clusters in tsd_state)

srvroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0001803	.0001029	-1.75	0.086	-.0003867 .0000262
male	.0021419	.0012054	1.78	0.081	-.0002758 .0045596
gendermiss_flag	.1854219	.141261	1.31	0.195	-.0979118 .4687557
tsd_age	-.0005256	.0001059	-4.96	0.000	-.000738 -.0003132
doage2	.0000327	.0000606	0.54	0.592	-.0000889 .0001543
doage2miss_flag	-.0033224	.0027551	-1.21	0.233	-.0088484 .0022035
race_a	-.0021393	.002221	-0.96	0.340	-.006594 .0023155
race_b	.002389	.0012992	1.84	0.072	-.0002168 .0049948
race_h	.000719	.0016635	0.43	0.667	-.0026177 .0040556
race_i	-.0062475	.006367	-0.98	0.331	-.019018 .006523
race_o	-.0004173	.0022046	-0.19	0.851	-.004839 .0040045
race_mis	-.0058746	.0028455	-2.06	0.044	-.0115821 -.0001672
tsd_edu_hs	.0045132	.001007	4.48	0.000	.0024935 .0065329
tsd_edu_mrhs	.0119498	.0017522	6.82	0.000	.0084354 .0154642
tsd_edu_mis	.0053586	.001491	3.59	0.001	.002368 .0083492
tsd_mie_exp	-.0026612	.0021189	-1.26	0.215	-.0069112 .0015888
tsd_mie_mis	-.0028811	.002906	-0.99	0.326	-.0087099 .0029476
tsd_mie_psbl	-.0027309	.0020813	-1.31	0.195	-.0069054 .0014436
tsd_medicare	-.0028542	.0013312	-2.14	0.037	-.0055243 -.0001841
tsd_medicare_miss	-.011623	.0041777	-2.78	0.007	-.0200025 -.0032435
tsd_depend_1	-.0026522	.0009085	-2.92	0.005	-.0044744 -.000083
tsd_depend_2	-.0018513	.0007344	-2.52	0.015	-.0033243 -.0003783
tsd_depend_miss	-.0041417	.0059006	-0.70	0.486	-.0159767 .0076934
tsd_vrpr	-.7011531	.0123137	-56.94	0.000	-.7258513 -.6764549
tsd_vrpr_miss	-.735916	.0109778	-67.04	0.000	-.7579347 -.7138972
pdcgrou2	-.0036641	.0018155	-2.02	0.049	-.0073057 -.0000226
pdcgrou3	-.0043734	.0018808	-2.33	0.024	-.0081458 -.0006011
pdcgrou4	-.0016844	.0014703	-1.15	0.257	-.0046334 .0012645
pdcgrou5	.0002947	.004336	0.07	0.946	-.0084023 .0089916
cohort2000	-.0003119	.0018824	-0.17	0.869	-.0040875 .0034636
cohort2001	-3.31e-06	.003032	-0.00	0.999	-.0060846 .006078
cohort2002	-.0015783	.0048766	-0.32	0.747	-.0113594 .0082029
cohort2003	-.0008672	.0062687	-0.14	0.891	-.0134405 .0117062
cohort2004	-.008093	.0091965	-0.88	0.383	-.0265388 .0103528
award_b4_tsd	-.0045391	.0072981	-0.62	0.537	-.0191772 .0100991
diaward_tsd	-.0001433	.000146	-0.98	0.331	-.0004362 .0001496
epeb4twp_flag	-.1087571	.0795849	-1.37	0.178	-.2683841 .0508699
ldwb4twp_flag	.0130934	.0241561	0.54	0.590	-.0353577 .0615444
ldwb4epe_flag	.0021906	.0180218	0.12	0.904	-.0339567 .0383378
twpb4tsd	.0018001	.0023945	0.75	0.456	-.0030026 .0066028
epeb4tsd	.0057122	.0022076	2.59	0.012	.0012842 .0101401
ldwb4tsd	-.010022	.0041695	-2.40	0.020	-.018385 -.001659
st_AL	.0122501	.001403	8.73	0.000	.009436 .0150643
st_AR	.0094265	.0016746	5.63	0.000	.0060676 .0127853
st_AZ	.038811	.0014169	27.39	0.000	.035969 .041653
st_CA	.0081313	.0012947	6.28	0.000	.0055345 .0107282
st_CO	.0188296	.0014933	12.61	0.000	.0158344 .0218248
st_CT	.0024566	.0014935	1.64	0.106	-.000539 .0054523
st_DC	-.0182067	.0019049	-9.56	0.000	-.0220274 -.014386
st_DE	.011119	.0018672	5.95	0.000	.0073738 .0148642
st_FL	-.0007913	.0014886	-0.53	0.597	-.0037771 .0021944
st_GA	.004815	.0014795	3.25	0.002	.0018475 .0077825
st_HI	-.0067304	.0013899	-4.84	0.000	-.0095181 -.0039427
st_IA	-.0209844	.0014501	-14.47	0.000	-.0238929 -.0180759
st_ID	.0121721	.0014104	8.63	0.000	.0093431 .0150011
st_IL	.0225981	.0016596	13.62	0.000	.0192693 .0259268
st_IN	-.0023521	.0016108	-1.46	0.150	-.0055829 .0008787
st_KS	.0134275	.0015799	8.50	0.000	.0102586 .0165964
st_KY	-.0116164	.001583	-7.34	0.000	-.0147914 -.0084414

st_LA	.0173906	.0016627	10.46	0.000	.0140556	.0207257
st_MA	.0086731	.0015328	5.66	0.000	.0055987	.0117474
st_MD	.0053717	.0012999	4.13	0.000	.0027645	.0079789
st_ME	.0126581	.0015153	8.35	0.000	.0096187	.0156974
st_MI	.0086551	.0015811	5.47	0.000	.0054838	.0118265
st_MN	.0075829	.0015003	5.05	0.000	.0045737	.0105921
st_MO	.017121	.0014396	11.89	0.000	.0142335	.0200085
st_MS	.0006794	.001455	0.47	0.642	-.0022391	.0035978
st_MT	.0220032	.0019037	11.56	0.000	.0181849	.0258214
st_NC	-.0030326	.0013184	-2.30	0.025	-.0056769	-.0003882
st_ND	-.020616	.0020285	-10.16	0.000	-.0246847	-.0165472
st_NE	.010477	.0014738	7.11	0.000	.007521	.0134329
st_NH	-.0109446	.0015767	-6.94	0.000	-.014107	-.0077822
st_NJ	.0045572	.0014467	3.15	0.003	.0016554	.0074589
st_NM	.0065811	.0015194	4.33	0.000	.0035335	.0096287
st_NV	-.0090853	.001499	-6.06	0.000	-.012092	-.0060787
st_NY	.0224748	.00147	15.29	0.000	.0195264	.0254233
st_OH	.0104818	.0014046	7.46	0.000	.0076646	.013299
st_OK	.02758	.0017312	15.93	0.000	.0241076	.0310524
st_OR	.0377905	.0014569	25.94	0.000	.0348684	.0407126
st_PA	.0067982	.0014342	4.74	0.000	.0039216	.0096748
st_PR	-.002447	.0014613	-1.67	0.100	-.005378	.000484
st_RI	-.002923	.0013904	-2.10	0.040	-.0057118	-.0001341
st_SC	-.0121808	.0015069	-8.08	0.000	-.0152033	-.0091584
st_SD	-.0161918	.003107	-5.21	0.000	-.0224237	-.00996
st_TN	.0389863	.0015475	25.19	0.000	.0358824	.0420902
st_TX	.0016216	.0013023	1.25	0.219	-.0009904	.0042336
st_UT	.020383	.0013958	14.60	0.000	.0175834	.0231826
st_VA	-.0055131	.0016587	-3.32	0.002	-.0088399	-.0021862
st_VT	-.0422551	.0018939	-22.31	0.000	-.0460538	-.0384563
st_WA	.0090714	.0013668	6.64	0.000	.00633	.0118128
st_WI	.0287789	.0014747	19.52	0.000	.025821	.0317367
st_WV	.0044213	.0016803	2.63	0.011	.0010511	.0077915
st_WY	-.0039714	.0014377	-2.76	0.008	-.006855	-.0010878
pial	3.65e-06	6.91e-06	0.53	0.599	-.0000102	.0000175
pia_miss	-.0012638	.008214	-0.15	0.878	-.0177391	.0152114
ime1	-1.00e-06	1.79e-06	-0.56	0.576	-4.59e-06	2.58e-06
ime_miss	-.0018943	.0028661	-0.66	0.512	-.007643	.0038543
_cons	.7619931	.0149427	50.99	0.000	.7320218	.7919644

(1) motoimm = 0

F(1, 53) = 3.07
 Prob > F = 0.0857

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(45, 53) = .
 Prob > F = .
 R-squared = 0.5504
 Root MSE = .14794

(Std. Err. adjusted for 54 clusters in tsd_state)

srvroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0000806	.0001145	-0.70	0.485	-.0003103	.0001492
male	.0011659	.0011671	1.00	0.322	-.0011749	.0035067

gendermiss_flag	.1819092	.1418898	1.28	0.205	-.1026857	.4665042
tsd_age	-.0005806	.0001113	-5.21	0.000	-.0008039	-.0003573
doage2	-6.80e-06	.0000786	-0.09	0.931	-.0001645	.0001509
doage2miss_flag	-.0110793	.0032633	-3.40	0.001	-.0176246	-.004534
race_a	-.0021738	.0029813	-0.73	0.469	-.0081536	.0038061
race_b	.0037932	.001454	2.61	0.012	.0008769	.0067096
race_h	.0003602	.0018812	0.19	0.849	-.003413	.0041334
race_i	-.0037611	.0054827	-0.69	0.496	-.014758	.0072358
race_o	-.0007458	.0024215	-0.31	0.759	-.0056027	.0041111
race_mis	-.0063296	.0030521	-2.07	0.043	-.0124514	-.0002079
tsd_edu_hs	.0061705	.0011487	5.37	0.000	.0038664	.0084745
tsd_edu_mrhs	.0145537	.002139	6.80	0.000	.0102635	.018844
tsd_edu_mis	.0066257	.0016068	4.12	0.000	.0034029	.0098486
tsd_mie_exp	-.0029981	.002951	-1.02	0.314	-.008917	.0029209
tsd_mie_mis	-.0036065	.0023232	-1.55	0.127	-.0082663	.0010534
tsd_mie_psbl	-.0033832	.0016665	-2.03	0.047	-.0067258	-.0000406
tsd_medicare	-.0017029	.0015709	-1.08	0.283	-.0048537	.001448
tsd_medicare_miss	-.0153784	.0034724	-4.43	0.000	-.0223431	-.0084137
tsd_depend_1	-.0024492	.0008067	-3.04	0.004	-.0040673	-.0008311
tsd_depend_2	-.002455	.0008941	-2.75	0.008	-.0042484	-.0006616
tsd_depend_miss	-.0069392	.0055585	-1.25	0.217	-.0180881	.0042097
tsd_vrpr	-.8664878	.0087828	-98.66	0.000	-.8841039	-.8488718
tsd_vrpr_miss	-.9090795	.0063103	-144.06	0.000	-.9217363	-.8964227
pdcgrou2	-.0041	.001781	-2.30	0.025	-.0076723	-.0005277
pdcgrou3	-.0041237	.0016603	-2.48	0.016	-.0074538	-.0007936
pdcgrou4	-.0010827	.001329	-0.81	0.419	-.0037483	.0015829
pdcgrou5	-.0117061	.0025581	-4.58	0.000	-.016837	-.0065752
cohort2000	-.0031133	.0014525	-2.14	0.037	-.0060266	-.0002
cohort2001	-.0032177	.0021641	-1.49	0.143	-.0075582	.0011229
cohort2002	-.0060278	.0033016	-1.83	0.074	-.01265	.0005943
cohort2003	-.0065168	.0047261	-1.38	0.174	-.0159961	.0029625
cohort2004	-.0033093	.0089729	-0.37	0.714	-.0213066	.014688
award_b4_tsd	-.0061599	.0076055	-0.81	0.422	-.0214146	.0090947
diaward_tsd	-.0003238	.0001223	-2.65	0.011	-.0005691	-.0000785
epeb4twp_flag	-.170369	.0972052	-1.75	0.085	-.365338	.0245999
ldwb4twp_flag	.0786624	.0639427	1.23	0.224	-.0495904	.2069152
ldwb4epe_flag	.0192794	.0138484	1.39	0.170	-.008497	.0470558
twpb4tsd	.0037854	.0021208	1.78	0.080	-.0004684	.0080391
epeb4tsd	.0115423	.0021466	5.38	0.000	.0072369	.0158477
ldwb4tsd	-.0167856	.0041701	-4.03	0.000	-.0251498	-.0084215
st_AL	.0115856	.001303	8.89	0.000	.0089722	.014199
st_AR	.0115865	.0017123	6.77	0.000	.0081521	.0150208
st_AZ	.0452539	.0011901	38.02	0.000	.0428668	.047641
st_CA	.0089877	.0010022	8.97	0.000	.0069775	.0109978
st_CO	.0117872	.0014364	8.21	0.000	.0089062	.0146682
st_CT	.035988	.0013678	26.31	0.000	.0332445	.0387315
st_DC	-.0266642	.0017355	-15.36	0.000	-.0301452	-.0231832
st_DE	.0190879	.0016308	11.70	0.000	.015817	.0223588
st_FL	.0076761	.0012919	5.94	0.000	.0050849	.0102672
st_GA	.0156495	.0013409	11.67	0.000	.01296	.0183389
st_HI	-.0085448	.0009559	-8.94	0.000	-.010462	-.0066275
st_IA	-.0020641	.0014056	-1.47	0.148	-.0048833	.0007551
st_ID	.0108056	.0014021	7.71	0.000	.0079934	.0136179
st_IL	.034328	.0015108	22.72	0.000	.0312976	.0373583
st_IN	.0165615	.001371	12.08	0.000	.0138116	.0193114
st_KS	.001592	.0014487	1.10	0.277	-.0013138	.0044977
st_KY	.0006324	.0014342	0.44	0.661	-.0022442	.0035091
st_LA	.0094995	.0014929	6.36	0.000	.0065052	.0124938
st_MA	.0244355	.0013494	18.11	0.000	.021729	.027142
st_MD	.0066852	.0011402	5.86	0.000	.0043981	.0089722
st_ME	.0083541	.0014535	5.75	0.000	.0054388	.0112694
st_MI	.0121735	.0014316	8.50	0.000	.0093021	.015045
st_MN	.0108835	.0015411	7.06	0.000	.0077925	.0139745

st_MO	.0328492	.0013461	24.40	0.000	.0301493	.0355492
st_MS	.0089943	.0012201	7.37	0.000	.0065471	.0114414
st_MT	.0361081	.0016197	22.29	0.000	.0328593	.0393568
st_NC	-.0087905	.0012019	-7.31	0.000	-.0112012	-.0063799
st_ND	-.0286735	.0022985	-12.48	0.000	-.0332836	-.0240634
st_NE	.0143887	.0014377	10.01	0.000	.011505	.0172724
st_NH	-.0286934	.0013712	-20.93	0.000	-.0314437	-.0259432
st_NJ	.0042009	.0013299	3.16	0.003	.0015336	.0068683
st_NM	.0181226	.001417	12.79	0.000	.0152805	.0209648
st_NV	-.0085769	.0012559	-6.83	0.000	-.011096	-.0060578
st_NY	.0289934	.0014681	19.75	0.000	.0260488	.0319379
st_OH	.0102059	.0012831	7.95	0.000	.0076324	.0127794
st_OK	.0208773	.0016742	12.47	0.000	.0175193	.0242353
st_OR	.026336	.0013126	20.06	0.000	.0237031	.0289688
st_PA	.0043038	.0014158	3.04	0.004	.0014641	.0071435
st_PR	-.0035834	.0009782	-3.66	0.001	-.0055454	-.0016214
st_RI	-.008334	.00138	-6.04	0.000	-.0111019	-.005566
st_SC	-.00537	.0012427	-4.32	0.000	-.0078624	-.0028775
st_SD	.0856497	.0024289	35.26	0.000	.080778	.0905214
st_TN	.0421722	.0014574	28.94	0.000	.0392491	.0450954
st_TX	-.0000797	.0010676	-0.07	0.941	-.0022211	.0020617
st_UT	.0246653	.0015041	16.40	0.000	.0216483	.0276822
st_VA	-.0058501	.0015224	-3.84	0.000	-.0089037	-.0027966
st_VT	-.0104683	.0019646	-5.33	0.000	-.0144087	-.0065278
st_WA	.0032647	.0012608	2.59	0.012	.0007358	.0057935
st_WI	.0242551	.0014908	16.27	0.000	.0212649	.0272454
st_WV	-.0020597	.001656	-1.24	0.219	-.0053812	.0012618
st_WY	-.0099461	.0015531	-6.40	0.000	-.0130611	-.006831
pial	-7.14e-06	6.51e-06	-1.10	0.277	-.0000202	5.91e-06
pia_miss	-.0056238	.0071028	-0.79	0.432	-.0198702	.0086227
ime1	1.67e-06	1.61e-06	1.04	0.303	-1.55e-06	4.90e-06
ime_miss	-.0007378	.0027849	-0.26	0.792	-.0063237	.004848
_cons	.9526198	.0084274	113.04	0.000	.9357165	.9695231

(1) motoimm = 0

F(1, 53) = 0.49
 Prob > F = 0.4850

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(45, 53) = .
 Prob > F = .
 R-squared = 0.5516
 Root MSE = .15496

(Std. Err. adjusted for 54 clusters in tsd_state)

srvroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0000542	.000104	-0.52	0.605	-.0002627	.0001544
male	.0012313	.0013054	0.94	0.350	-.0013869	.0038496
gendermiss_flag	.1796068	.1420173	1.26	0.212	-.1052438	.4644574
tsd_age	-.0005659	.0001211	-4.67	0.000	-.0008088	-.0003231
doage2	-.0001517	.0000916	-1.66	0.104	-.0003353	.000032
doage2miss_flag	-.0105304	.0034948	-3.01	0.004	-.01754	-.0035207
race_a	-.0028102	.0042382	-0.66	0.510	-.0113109	.0056906
race_b	.0037924	.001499	2.53	0.014	.0007858	.006799

race_h	-.0004251	.0019954	-0.21	0.832	-.0044274	.0035773
race_i	-.0050857	.0050624	-1.00	0.320	-.0152397	.0050682
race_o	-.0020456	.0025602	-0.80	0.428	-.0071807	.0030895
race_mis	-.0073047	.0037886	-1.93	0.059	-.0149037	.0002944
tsd_edu_hs	.0071648	.0012728	5.63	0.000	.0046119	.0097177
tsd_edu_mrhs	.0165783	.0028096	5.90	0.000	.010943	.0222136
tsd_edu_mis	.0078171	.0022234	3.52	0.001	.0033575	.0122768
tsd_mie_exp	-.0012801	.0026594	-0.48	0.632	-.0066141	.0040539
tsd_mie_mis	-.0031327	.0024426	-1.28	0.205	-.0080319	.0017665
tsd_mie_psbl	-.0026659	.0017014	-1.57	0.123	-.0060786	.0007468
tsd_medicare	-.0034432	.001464	-2.35	0.022	-.0063796	-.0005067
tsd_medicare_miss	-.0161923	.0024383	-6.64	0.000	-.021083	-.0113015
tsd_depend_1	-.0021207	.0013012	-1.63	0.109	-.0047307	.0004892
tsd_depend_2	-.0027438	.0010933	-2.51	0.015	-.0049366	-.0005509
tsd_depend_miss	-.006696	.0060833	-1.10	0.276	-.0188975	.0055055
tsd_vrpr	-.9061654	.007214	-125.61	0.000	-.9206348	-.891696
tsd_vrpr_miss	-.953369	.0042104	-226.43	0.000	-.9618141	-.944924
pdcgrou2	-.0040027	.0017714	-2.26	0.028	-.0075556	-.0004498
pdcgrou3	-.0040341	.0021487	-1.88	0.066	-.0083438	.0002757
pdcgrou4	-.0015575	.0015843	-0.98	0.330	-.0047353	.0016203
pdcgrou5	-.0167963	.0029125	-5.77	0.000	-.0226381	-.0109545
cohort2000	-.0026987	.0014341	-1.88	0.065	-.0055751	.0001777
cohort2001	-.0030601	.0021358	-1.43	0.158	-.007344	.0012238
cohort2002	-.0062561	.0024859	-2.52	0.015	-.0112421	-.0012701
cohort2003	-.0079476	.0040748	-1.95	0.056	-.0161206	.0002255
cohort2004	-.0043894	.0090446	-0.49	0.629	-.0225304	.0137517
award_b4_tsd	-.0088855	.0074268	-1.20	0.237	-.0237817	.0060107
diaward_tsd	-.0003875	.0001072	-3.62	0.001	-.0006025	-.0001725
epeb4twp_flag	-.0676865	.0316645	-2.14	0.037	-.1311973	-.0041756
ldwb4twp_flag	.0473236	.0587063	0.81	0.424	-.0704263	.1650736
ldwb4epe_flag	.0183078	.0132597	1.38	0.173	-.0082877	.0449033
twpb4tsd	.0039625	.0020573	1.93	0.059	-.0001638	.0080889
epeb4tsd	.0142724	.0026222	5.44	0.000	.0090129	.0195318
ldwb4tsd	-.0189836	.0037021	-5.13	0.000	-.026409	-.0115582
st_AL	.0153838	.0018124	8.49	0.000	.0117487	.0190189
st_AR	.0118723	.0020864	5.69	0.000	.0076875	.0160572
st_AZ	.0509477	.001745	29.20	0.000	.0474476	.0544478
st_CA	.0148568	.0014699	10.11	0.000	.0119086	.0178051
st_CO	.0132275	.0019857	6.66	0.000	.0092447	.0172102
st_CT	.0421792	.0019092	22.09	0.000	.0383499	.0460085
st_DC	-.0267885	.0020365	-13.15	0.000	-.0308733	-.0227038
st_DE	.0749732	.002086	35.94	0.000	.0707891	.0791572
st_FL	.0229439	.0017857	12.85	0.000	.0193623	.0265255
st_GA	.0215438	.0018272	11.79	0.000	.0178788	.0252087
st_HI	-.0070391	.0012868	-5.47	0.000	-.00962	-.0044581
st_IA	.0123184	.0018377	6.70	0.000	.0086324	.0160045
st_ID	.0134008	.001744	7.68	0.000	.0099028	.0168988
st_IL	.0435291	.0020286	21.46	0.000	.0394604	.0475979
st_IN	.0225902	.0017298	13.06	0.000	.0191208	.0260597
st_KS	.0379312	.0019945	19.02	0.000	.0339307	.0419316
st_KY	.0049768	.0018628	2.67	0.010	.0012406	.008713
st_LA	.0190537	.0020651	9.23	0.000	.0149117	.0231956
st_MA	.0333825	.0018296	18.25	0.000	.0297127	.0370523
st_MD	.009114	.0016295	5.59	0.000	.0058456	.0123824
st_ME	.0110731	.0017829	6.21	0.000	.0074972	.0146491
st_MI	.0193317	.0019116	10.11	0.000	.0154976	.0231659
st_MN	.0196119	.001897	10.34	0.000	.015807	.0234169
st_MO	.0324342	.0018922	17.14	0.000	.0286388	.0362296
st_MS	.0232556	.0016984	13.69	0.000	.0198491	.0266622
st_MT	.0758489	.0018972	39.98	0.000	.0720436	.0796542
st_NC	-.0065418	.0016457	-3.98	0.000	-.0098426	-.003241
st_ND	-.0288078	.0028258	-10.19	0.000	-.0344756	-.02314
st_NE	.0228025	.001769	12.89	0.000	.0192544	.0263507

st_NH	-.0310172	.0018202	-17.04	0.000	-.0346681	-.0273663
st_NJ	.0046887	.0018948	2.47	0.017	.0008882	.0084892
st_NM	.0192057	.0018516	10.37	0.000	.0154918	.0229196
st_NV	.0269444	.001761	15.30	0.000	.0234123	.0304766
st_NY	.0349132	.0021371	16.34	0.000	.0306268	.0391997
st_OH	.0172568	.0016339	10.56	0.000	.0139796	.0205341
st_OK	.0221143	.0020278	10.91	0.000	.018047	.0261816
st_OR	.0461978	.0017591	26.26	0.000	.0426695	.0497261
st_PA	.0085407	.001856	4.60	0.000	.004818	.0122635
st_PR	.0013063	.0013324	0.98	0.331	-.0013662	.0039788
st_RI	-.0041403	.0018388	-2.25	0.029	-.0078285	-.0004522
st_SC	.0035215	.00173	2.04	0.047	.0000516	.0069913
st_SD	.085643	.0028953	29.58	0.000	.0798357	.0914503
st_TN	.0468051	.0018884	24.78	0.000	.0430173	.0505928
st_TX	.0045656	.0015153	3.01	0.004	.0015263	.0076048
st_UT	.0345549	.001829	18.89	0.000	.0308863	.0382235
st_VA	.0009643	.0020922	0.46	0.647	-.0032321	.0051607
st_VT	-.0113131	.0022919	-4.94	0.000	-.0159101	-.006716
st_WA	.0057902	.0016132	3.59	0.001	.0025545	.0090259
st_WI	.0423127	.0019349	21.87	0.000	.0384318	.0461936
st_WV	.0013905	.0020522	0.68	0.501	-.0027256	.0055067
st_WY	-.0023388	.0018624	-1.26	0.215	-.0060743	.0013967
pial	-.0000115	6.65e-06	-1.72	0.091	-.0000248	1.89e-06
pia_miss	-.013157	.0070966	-1.85	0.069	-.0273909	.0010769
ime1	2.37e-06	1.51e-06	1.57	0.123	-6.61e-07	5.40e-06
ime_miss	.0009232	.0024196	0.38	0.704	-.0039299	.0057762
_cons	1.002667	.007169	139.86	0.000	.9882882	1.017047

(1) motoimm = 0

F(1, 53) = 0.27
 Prob > F = 0.6045

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(45, 53) = .
 Prob > F = .
 R-squared = 0.4184
 Root MSE = 1.1181

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw12	Robust					
	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0003897	.0007419	0.53	0.602	-.0010983	.0018778
male	.0038815	.0062478	0.62	0.537	-.0086499	.016413
gendermiss_flag	-.075037	.0392671	-1.91	0.061	-.1537968	.0037228
tsd_age	-.0018375	.0007178	-2.56	0.013	-.0032773	-.0003977
doage2	-.0003004	.0006296	-0.48	0.635	-.0015633	.0009625
doage2miss_flag	3.601437	.1881737	19.14	0.000	3.224009	3.978866
race_a	-.0163424	.0161006	-1.02	0.315	-.0486362	.0159514
race_b	.0214263	.0113598	1.89	0.065	-.0013586	.0442112
race_h	.0461035	.0149597	3.08	0.003	.0160982	.0761088
race_i	.0429937	.0387788	1.11	0.273	-.0347867	.1207741
race_o	.0068779	.0351833	0.20	0.846	-.0636908	.0774467
race_mis	.082747	.0267532	3.09	0.003	.0290869	.1364072
tsd_edu_hs	.0047193	.0070363	0.67	0.505	-.0093938	.0188323
tsd_edu_mrhs	.0238145	.0078208	3.05	0.004	.008128	.0395011

tsd_edu_mis	.0293112	.0086817	3.38	0.001	.0118978	.0467246
tsd_mie_exp	-.0038377	.0217332	-0.18	0.861	-.047429	.0397536
tsd_mie_mis	-.0248522	.0102562	-2.42	0.019	-.0454235	-.0042809
tsd_mie_psbl	-.0137155	.0089982	-1.52	0.133	-.0317636	.0043326
tsd_medicare	-.0344338	.0123454	-2.79	0.007	-.0591955	-.0096721
tsd_medicare_mis	-.0161495	.017745	-0.91	0.367	-.0517413	.0194424
tsd_depend_1	-.0325832	.0063104	-5.16	0.000	-.0452401	-.0199262
tsd_depend_2	-.011753	.0070682	-1.66	0.102	-.02593	.002424
tsd_depend_mis	.0865162	.0305708	2.83	0.007	.0251989	.1478335
tsd_vrpr	.0877979	.0256265	3.43	0.001	.0363976	.1391982
tsd_vrpr_mis	.1290952	.02034	6.35	0.000	.0882983	.1698921
pdcgrou2	-.0115468	.0064814	-1.78	0.081	-.0245469	.0014533
pdcgrou3	.0394846	.0091895	4.30	0.000	.0210528	.0579165
pdcgrou4	.0237622	.009299	2.56	0.014	.0051108	.0424136
pdcgrou5	-.0206912	.0754523	-0.27	0.785	-.1720294	.130647
cohort2000	.0344728	.0327073	1.05	0.297	-.0311298	.1000754
cohort2001	.0985045	.0450247	2.19	0.033	.0081964	.1888125
cohort2002	.0991161	.0699818	1.42	0.163	-.0412496	.2394819
cohort2003	.0278098	.0744143	0.37	0.710	-.1214463	.1770659
cohort2004	.1144558	.0736627	1.55	0.126	-.0332928	.2622044
award_b4_tsd	-.0040886	.0170408	-0.24	0.811	-.0382681	.030091
diaward_tsd	-.001766	.0011938	-1.48	0.145	-.0041605	.0006285
epeb4twp_flag	.0834255	.5698344	0.15	0.884	-1.059517	1.226369
ldwb4twp_flag	-1.776699	.4351405	-4.08	0.000	-2.64948	-.9039179
ldwb4epe_flag	1.031344	.2671319	3.86	0.000	.4955456	1.567143
twpb4tsd	.8420908	.0691564	12.18	0.000	.7033806	.980801
epeb4tsd	.4929041	.0680897	7.24	0.000	.3563336	.6294747
ldwb4tsd	5.075512	.1403221	36.17	0.000	4.794061	5.356962
st_AL	.0257891	.0083219	3.10	0.003	.0090975	.0424807
st_AR	-.1068494	.0116605	-9.16	0.000	-.1302373	-.0834615
st_AZ	-.1740928	.0104876	-16.60	0.000	-.1951283	-.1530574
st_CA	.0519892	.0062821	8.28	0.000	.0393888	.0645896
st_CO	-.1246961	.0125195	-9.96	0.000	-.1498069	-.0995852
st_CT	-.2313598	.0116874	-19.80	0.000	-.2548018	-.2079178
st_DC	-.0485959	.0226526	-2.15	0.037	-.0940311	-.0031606
st_DE	-.3522227	.0096728	-36.41	0.000	-.3716238	-.3328216
st_FL	-.129529	.0086923	-14.90	0.000	-.1469636	-.1120944
st_GA	-.0106121	.0080199	-1.32	0.191	-.026698	.0054738
st_HI	.050818	.0125674	4.04	0.000	.0256111	.076025
st_IA	-.1144972	.014528	-7.88	0.000	-.1436367	-.0853577
st_ID	.0326123	.0112616	2.90	0.005	.0100245	.0552002
st_IL	-.1089134	.0110728	-9.84	0.000	-.1311225	-.0867042
st_IN	-.0300647	.0116262	-2.59	0.012	-.0533838	-.0067455
st_KS	.0218047	.0088411	2.47	0.017	.0040717	.0395377
st_KY	.015958	.0115735	1.38	0.174	-.0072555	.0391716
st_LA	-.1354825	.0080917	-16.74	0.000	-.1517124	-.1192527
st_MA	-.137786	.0111131	-12.40	0.000	-.160076	-.115496
st_MD	.0970588	.0090835	10.69	0.000	.0788397	.115278
st_ME	.0101765	.0118439	0.86	0.394	-.0135794	.0339324
st_MI	-.1005754	.0100962	-9.96	0.000	-.1208258	-.080325
st_MN	-.023771	.0134814	-1.76	0.084	-.0508113	.0032694
st_MO	-.0838843	.0127141	-6.60	0.000	-.1093855	-.0583831
st_MS	-.100034	.0104068	-9.61	0.000	-.1209075	-.0791605
st_MT	-.0831103	.0201499	-4.12	0.000	-.1235259	-.0426947
st_NC	-.0002027	.0080835	-0.03	0.980	-.0164162	.0160107
st_ND	-.2436602	.0249935	-9.75	0.000	-.2937909	-.1935296
st_NE	-.0487195	.0115113	-4.23	0.000	-.0718082	-.0256307
st_NH	-.0739685	.0143327	-5.16	0.000	-.1027164	-.0452207
st_NJ	-.1344109	.0098031	-13.71	0.000	-.1540735	-.1147483
st_NM	-.2425578	.013425	-18.07	0.000	-.269485	-.2156306
st_NV	-.1153474	.0103142	-11.18	0.000	-.1360351	-.0946598
st_NY	-.1638819	.0087328	-18.77	0.000	-.1813978	-.1463661
st_OH	-.0036505	.0103497	-0.35	0.726	-.0244094	.0171084

st_OK	-.0536344	.0124842	-4.30	0.000	-.0786745	-.0285943
st_OR	-.1964226	.0131469	-14.94	0.000	-.2227919	-.1700533
st_PA	.0433849	.0090866	4.77	0.000	.0251595	.0616103
st_PR	-.0075167	.0125954	-0.60	0.553	-.0327797	.0177464
st_RI	.0860784	.0078407	10.98	0.000	.0703519	.1018048
st_SC	-.0290304	.01082	-2.68	0.010	-.0507325	-.0073282
st_SD	-.4697992	.0273771	-17.16	0.000	-.5247108	-.4148876
st_TN	.0058458	.0104931	0.56	0.580	-.0152007	.0268923
st_TX	.0452102	.0083513	5.41	0.000	.0284597	.0619607
st_UT	.0052065	.0121517	0.43	0.670	-.0191666	.0295797
st_VA	-.0787605	.008863	-8.89	0.000	-.0965375	-.0609835
st_VT	-.0417772	.011338	-3.68	0.001	-.0645183	-.0190362
st_WA	.0205658	.0104726	1.96	0.055	-.0004397	.0415712
st_WI	-.1992225	.0129555	-15.38	0.000	-.225208	-.173237
st_WV	.0284706	.0112426	2.53	0.014	.0059207	.0510205
st_WY	.1202067	.0150827	7.97	0.000	.0899547	.1504588
pial	.0000912	.0000529	1.73	0.090	-.0000148	.0001973
pia_miss	-.086752	.0611251	-1.42	0.162	-.2093534	.0358494
ime1	-4.56e-06	.0000172	-0.27	0.791	-.0000039	.0000299
ime_miss	.010816	.025031	0.43	0.667	-.0393898	.0610217
_cons	-.1227157	.089575	-1.37	0.176	-.3023804	.056949

(1) motoimm = 0

F(1, 53) = 0.28
 Prob > F = 0.6016

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs =	114657
F(45, 53) =	.
Prob > F =	.
R-squared =	0.3599
Root MSE =	2.521

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0023195	.0018848	1.23	0.224	-.001461	.0061
male	.0472038	.0155061	3.04	0.004	.0161026	.078305
gendermiss_flag	-.2556666	.1067366	-2.40	0.020	-.4697531	-.0415801
tsd_age	-.0089037	.001814	-4.91	0.000	-.0125421	-.0052653
doage2	-.0014771	.0010516	-1.40	0.166	-.0035862	.0006321
doage2miss_flag	7.3437	.3732864	19.67	0.000	6.594982	8.092418
race_a	.0164767	.0534276	0.31	0.759	-.0906854	.1236389
race_b	.055806	.0275326	2.03	0.048	.0005826	.1110294
race_h	.114279	.0285462	4.00	0.000	.0570225	.1715355
race_i	.0369718	.0954742	0.39	0.700	-.1545252	.2284689
race_o	.1265266	.0638685	1.98	0.053	-.0015774	.2546305
race_mis	.1782903	.0686142	2.60	0.012	.0406676	.3159129
tsd_edu_hs	.0527956	.017348	3.04	0.004	.018	.0875911
tsd_edu_mrhs	.1505172	.0245662	6.13	0.000	.1012437	.1997908
tsd_edu_mis	.1159435	.0161953	7.16	0.000	.0834599	.1484272
tsd_mie_exp	-.0042589	.0442547	-0.10	0.924	-.0930227	.0845049
tsd_mie_mis	-.0543342	.024925	-2.18	0.034	-.1043274	-.004341
tsd_mie_psbl	-.0355243	.0268509	-1.32	0.192	-.0893805	.0183318
tsd_medicare	-.0962655	.0246514	-3.91	0.000	-.14571	-.046821
tsd_medicare_miss	-.1446718	.0508172	-2.85	0.006	-.2465982	-.0427453

tsd_depend_1	-.0899634	.0127556	-7.05	0.000	-.1155479	-.0643789
tsd_depend_2	-.0379402	.0181176	-2.09	0.041	-.0742795	-.001601
tsd_depend_miss	.1764781	.0578771	3.05	0.004	.0603914	.2925648
tsd_vrpr	.246041	.0698661	3.52	0.001	.1059073	.3861747
tsd_vrpr_miss	.2792822	.0495817	5.63	0.000	.1798338	.3787305
pdcgrou2	-.0657581	.0157965	-4.16	0.000	-.0974419	-.0340744
pdcgrou3	.1195734	.0212724	5.62	0.000	.0769063	.1622406
pdcgrou4	.0646011	.01701	3.80	0.000	.0304833	.0987189
pdcgrou5	-.0084546	.1634898	-0.05	0.959	-.3363736	.3194643
cohort2000	.0572957	.0739311	0.77	0.442	-.0909913	.2055827
cohort2001	.1897564	.0856538	2.22	0.031	.0179566	.3615563
cohort2002	.1930005	.1357611	1.42	0.161	-.0793018	.4653028
cohort2003	.1269343	.1532371	0.83	0.411	-.1804204	.4342891
cohort2004	.4098807	.2249987	1.82	0.074	-.0414094	.8611709
award_b4_tsd	-.0628106	.0436337	-1.44	0.156	-.1503287	.0247075
diaward_tsd	-.0048747	.0023822	-2.05	0.046	-.0096528	-.0000967
epeb4twp_flag	-.4278577	1.107291	-0.39	0.701	-2.648802	1.793086
ldwb4twp_flag	-2.945839	.8760662	-3.36	0.001	-4.703005	-1.188672
ldwb4epe_flag	3.182417	.4644553	6.85	0.000	2.250838	4.113997
twpb4tsd	2.553494	.2024117	12.62	0.000	2.147507	2.95948
epeb4tsd	.773222	.1220675	6.33	0.000	.5283857	1.018058
ldwb4tsd	9.277585	.2670154	34.75	0.000	8.74202	9.813151
st_AL	.0259783	.025117	1.03	0.306	-.0244001	.0763567
st_AR	-.1658135	.0274222	-6.05	0.000	-.2208155	-.1108115
st_AZ	-.3050657	.025639	-11.90	0.000	-.356491	-.2536404
st_CA	.1613986	.0191369	8.43	0.000	.1230148	.1997825
st_CO	-.3404628	.0255599	-13.32	0.000	-.3917296	-.2891961
st_CT	-.2989897	.0251745	-11.88	0.000	-.3494833	-.2484961
st_DC	-.464594	.0400909	-11.59	0.000	-.5450061	-.3841818
st_DE	-.6421725	.034168	-18.79	0.000	-.7107048	-.5736402
st_FL	-.3466775	.0266212	-13.02	0.000	-.4000729	-.2932821
st_GA	-.1488236	.0259947	-5.73	0.000	-.2009624	-.0966848
st_HI	.0924754	.020577	4.49	0.000	.0512031	.1337477
st_IA	-.4087618	.0290289	-14.08	0.000	-.4669864	-.3505372
st_ID	.0455689	.0259388	1.76	0.085	-.0064577	.0975954
st_IL	-.3729602	.0212695	-17.53	0.000	-.4156215	-.330299
st_IN	-.1075328	.0290332	-3.70	0.001	-.165766	-.0492997
st_KS	-.2136609	.0276238	-7.73	0.000	-.2690671	-.1582546
st_KY	-.0629693	.0327511	-1.92	0.060	-.1286597	.0027211
st_LA	-.3055437	.0266606	-11.46	0.000	-.3590181	-.2520692
st_MA	-.3622314	.0267255	-13.55	0.000	-.4158361	-.3086268
st_MD	.2451745	.0198518	12.35	0.000	.2053569	.2849921
st_ME	.0379002	.0262461	1.44	0.155	-.0147427	.0905431
st_MI	-.1643328	.0284272	-5.78	0.000	-.2213505	-.1073151
st_MN	-.0264607	.022963	-1.15	0.254	-.0725186	.0195973
st_MO	-.1925842	.0288925	-6.67	0.000	-.2505352	-.1346333
st_MS	-.181602	.031511	-5.76	0.000	-.2448052	-.1183989
st_MT	-.1849733	.0345914	-5.35	0.000	-.2543549	-.1155917
st_NC	-.0224568	.0245025	-0.92	0.364	-.0716026	.026689
st_ND	-.7836751	.0477177	-16.42	0.000	-.8793847	-.6879654
st_NE	-.1106195	.0213783	-5.17	0.000	-.1534989	-.0677401
st_NH	-.1341314	.0259769	-5.16	0.000	-.1862344	-.0820283
st_NJ	-.4109444	.023612	-17.40	0.000	-.458304	-.3635848
st_NM	-.6689392	.0295943	-22.60	0.000	-.7282978	-.6095807
st_NV	-.3682484	.0243739	-15.11	0.000	-.4171363	-.3193604
st_NY	-.3975174	.0244323	-16.27	0.000	-.4465223	-.3485125
st_OH	-.0003545	.0226549	-0.02	0.988	-.0457945	.0450855
st_OK	-.246777	.0293887	-8.40	0.000	-.3057232	-.1878308
st_OR	-.3761065	.0286243	-13.14	0.000	-.4335196	-.3186934
st_PA	.0976827	.0227701	4.29	0.000	.0520116	.1433538
st_PR	-.0647819	.0348741	-1.86	0.069	-.1347305	.0051668
st_RI	.2372228	.0234829	10.10	0.000	.1901221	.2843234
st_SC	-.1374444	.0348845	-3.94	0.000	-.2074139	-.067475

st_SD	-1.252997	.0457551	-27.38	0.000	-1.34477	-1.161224
st_TN	-.0401543	.0288484	-1.39	0.170	-.0980169	.0177082
st_TX	.1076217	.0194104	5.54	0.000	.0686893	.146554
st_UT	.019065	.0248275	0.77	0.446	-.0307326	.0688627
st_VA	-.1580107	.0282063	-5.60	0.000	-.2145854	-.101436
st_VT	-.387005	.0296193	-13.07	0.000	-.4464139	-.3275961
st_WA	.0919448	.0223463	4.11	0.000	.0471237	.1367659
st_WI	-.4508633	.0242059	-18.63	0.000	-.4994142	-.4023123
st_WV	.0548361	.032417	1.69	0.097	-.0101842	.1198564
st_WY	.1767162	.0260368	6.79	0.000	.124493	.2289395
pial	.0001402	.000097	1.45	0.154	-.0000544	.0003348
pia_miss	-.2595713	.1282357	-2.02	0.048	-.5167797	-.002363
ime1	.0000302	.0000321	0.94	0.350	-.0000341	.0000945
ime_miss	.003805	.0454713	0.08	0.934	-.0873988	.0950088
_cons	-.0191057	.1595802	-0.12	0.905	-.339183	.3009716

(1) motoimm = 0

F(1, 53) = 1.51
 Prob > F = 0.2239

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(45, 53) = .
 Prob > F = .
 R-squared = 0.3103
 Root MSE = 4.1868

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0029495	.003567	0.83	0.412	-.0042051	.010104
male	.1108922	.0281784	3.94	0.000	.0543735	.167411
gendermiss_flag	-.5707811	.1919896	-2.97	0.004	-.9558635	-.1856988
tsd_age	-.0215973	.0033647	-6.42	0.000	-.028346	-.0148487
doage2	-.0037156	.0015158	-2.45	0.018	-.0067558	-.0006754
doage2miss_flag	13.46891	.5545431	24.29	0.000	12.35664	14.58118
race_a	.079158	.0890469	0.89	0.378	-.0994475	.2577635
race_b	.1325463	.0499814	2.65	0.011	.0322963	.2327963
race_h	.2071555	.0463604	4.47	0.000	.1141682	.3001428
race_i	.0399471	.1424201	0.28	0.780	-.2457114	.3256055
race_o	.320702	.1127159	2.85	0.006	.0946226	.5467814
race_mis	.2886465	.1229513	2.35	0.023	.0420374	.5352555
tsd_edu_hs	.1243494	.0306349	4.06	0.000	.0629036	.1857952
tsd_edu_mrhs	.3427795	.0436923	7.85	0.000	.2551438	.4304152
tsd_edu_mis	.2407042	.0310267	7.76	0.000	.1784726	.3029359
tsd_mie_exp	.0069538	.0790418	0.09	0.930	-.151584	.1654915
tsd_mie_mis	-.0965507	.0415105	-2.33	0.024	-.1798102	-.0132913
tsd_mie_psbl	-.0896397	.0437677	-2.05	0.046	-.1774266	-.0018527
tsd_medicare	-.1761203	.0361199	-4.88	0.000	-.2485677	-.1036729
tsd_medicare_miss	-.4107306	.0938872	-4.37	0.000	-.5990445	-.2224167
tsd_depend_1	-.1637669	.0261185	-6.27	0.000	-.2161539	-.1113799
tsd_depend_2	-.0642311	.0338995	-1.89	0.064	-.1322249	.0037626
tsd_depend_miss	.2198079	.0840528	2.62	0.012	.0512193	.3883964
tsd_vrpr	.3725386	.1035054	3.60	0.001	.1649331	.5801442
tsd_vrpr_miss	.2860095	.0674637	4.24	0.000	.1506944	.4213245
pdgroup2	-.1720815	.0334353	-5.15	0.000	-.2391442	-.1050188

pdgroup3	.2070282	.0380572	5.44	0.000	.1306951	.2833613
pdgroup4	.0918804	.0277069	3.32	0.002	.0363074	.1474534
pdgroup5	-.0405474	.2414149	-0.17	0.867	-.5247644	.4436696
cohort2000	.0379198	.0988102	0.38	0.703	-.1602683	.2361079
cohort2001	.189143	.1105586	1.71	0.093	-.0326095	.4108955
cohort2002	.1716721	.1787769	0.96	0.341	-.1869089	.5302531
cohort2003	.1052964	.2087748	0.50	0.616	-.3134529	.5240457
cohort2004	.7086493	.3668786	1.93	0.059	-.0272159	1.444515
award_b4_tsd	-.1029967	.1055829	-0.98	0.334	-.3147692	.1087759
diaward_tsd	-.0114418	.0036514	-3.13	0.003	-.0187656	-.004118
epeb4twp_flag	-1.735747	1.341844	-1.29	0.201	-4.427145	.9556502
ldwb4twp_flag	-3.735046	1.242583	-3.01	0.004	-6.227351	-1.242741
ldwb4epe_flag	5.827362	.8707304	6.69	0.000	4.080898	7.573826
twpb4tsd	4.428019	.3198439	13.84	0.000	3.786493	5.069545
epeb4tsd	.9141121	.1857803	4.92	0.000	.541484	1.28674
ldwb4tsd	12.97664	.3689046	35.18	0.000	12.23671	13.71657
st_AL	.0246239	.0470494	0.52	0.603	-.0697453	.118993
st_AR	-.2357599	.0532461	-4.43	0.000	-.3425581	-.1289618
st_AZ	-.4062805	.0492402	-8.25	0.000	-.5050438	-.3075172
st_CA	.3287922	.0383656	8.57	0.000	.2518405	.4057439
st_CO	-.5701121	.047937	-11.89	0.000	-.6662616	-.4739627
st_CT	-.4002891	.0489682	-8.17	0.000	-.4985068	-.3020714
st_DC	-.2921242	.06739	-4.33	0.000	-.4272915	-.1569569
st_DE	-.8513147	.05514	-15.44	0.000	-.9619116	-.7407179
st_FL	-.6228511	.0498535	-12.49	0.000	-.7228445	-.5228577
st_GA	-.2454602	.044873	-5.47	0.000	-.3354641	-.1554564
st_HI	.1673785	.0387327	4.32	0.000	.0896905	.2450665
st_IA	-.8108888	.053463	-15.17	0.000	-.918122	-.7036555
st_ID	.0009519	.0479067	0.02	0.984	-.0951368	.0970406
st_IL	-.5332068	.0399812	-13.34	0.000	-.6133989	-.4530147
st_IN	-.0706715	.0513069	-1.38	0.174	-.17358	.0322371
st_KS	-.2204389	.0502124	-4.39	0.000	-.3211521	-.1197257
st_KY	-.0329139	.0595934	-0.55	0.583	-.1524431	.0866154
st_LA	-.5292194	.0481005	-11.00	0.000	-.6256968	-.432742
st_MA	-.5800723	.0513495	-11.30	0.000	-.6830662	-.4770783
st_MD	.4103993	.0375707	10.92	0.000	.3350421	.4857565
st_ME	.1394917	.0501084	2.78	0.007	.0389871	.2399964
st_MI	-.2400334	.0515477	-4.66	0.000	-.3434249	-.1366419
st_MN	-.0003594	.0440321	-0.01	0.994	-.0886766	.0879579
st_MO	-.2423809	.0520335	-4.66	0.000	-.346747	-.1380149
st_MS	-.215853	.0556861	-3.88	0.000	-.3275452	-.1041608
st_MT	-.76805	.0594824	-12.91	0.000	-.8873565	-.6487434
st_NC	-.0736029	.0444787	-1.65	0.104	-.1628159	.01561
st_ND	-1.501921	.079578	-18.87	0.000	-1.661535	-1.342308
st_NE	-.1701316	.0423338	-4.02	0.000	-.2550425	-.0852206
st_NH	-.2328131	.0498405	-4.67	0.000	-.3327805	-.1328457
st_NJ	-.5980351	.0465699	-12.84	0.000	-.6914425	-.5046277
st_NM	-.9141828	.0551818	-16.57	0.000	-1.024863	-.8035022
st_NV	-.6114526	.0454831	-13.44	0.000	-.7026802	-.520225
st_NY	-.5107595	.0474218	-10.77	0.000	-.6058756	-.4156433
st_OH	.0080786	.0432434	0.19	0.853	-.0786566	.0948138
st_OK	-.3822061	.0560379	-6.82	0.000	-.4946039	-.2698083
st_OR	-.6605128	.0551385	-11.98	0.000	-.7711066	-.5499191
st_PA	.1603696	.0442881	3.62	0.001	.0715389	.2492003
st_PR	-.1874027	.0637284	-2.94	0.005	-.3152258	-.0595797
st_RI	.3671991	.0438449	8.37	0.000	.2792573	.4551408
st_SC	-.3593243	.0615211	-5.84	0.000	-.48272	-.2359286
st_SD	-2.071328	.0771684	-26.84	0.000	-2.226108	-1.916547
st_TN	-.1833135	.0530468	-3.46	0.001	-.289712	-.0769151
st_TX	.1886703	.0399282	4.73	0.000	.1085844	.2687562
st_UT	.0684267	.0479207	1.43	0.159	-.0276899	.1645434
st_VA	-.182515	.0509795	-3.58	0.001	-.2847668	-.0802631
st_VT	-.4567204	.0576915	-7.92	0.000	-.572435	-.3410059

st_WA	.201953	.0438884	4.60	0.000	.113924	.2899821
st_WI	-.5283211	.0448319	-11.78	0.000	-.6182426	-.4383997
st_WV	.0704218	.0595687	1.18	0.242	-.049058	.1899015
st_WY	.1336136	.048415	2.76	0.008	.0365055	.2307218
pial	.0002699	.0001385	1.95	0.057	-7.95e-06	.0005477
pia_miss	-.4021457	.1782838	-2.26	0.028	-.7597378	-.0445535
ime1	.0000635	.0000468	1.36	0.181	-.0000304	.0001573
ime_miss	-.0806619	.0672111	-1.20	0.235	-.2154704	.0541465
_cons	.683575	.2250126	3.04	0.004	.2322569	1.134893

(1) motoimm = 0

F(1, 53) = 0.68
 Prob > F = 0.4120

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 114657
 F(45, 53) = .
 Prob > F = .
 R-squared = 0.2727
 Root MSE = 6.054

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0050288	.0050174	1.00	0.321	-.005035	.0150925
male	.2102231	.0439211	4.79	0.000	.1221285	.2983177
gendermiss_flag	-.9807122	.278778	-3.52	0.001	-1.53987	-.421543
tsd_age	-.040666	.0053678	-7.58	0.000	-.0514324	-.0298995
doage2	-.0062958	.0027131	-2.32	0.024	-.0117376	-.000854
doage2miss_flag	14.95013	.707834	21.12	0.000	13.5304	16.36987
race_a	.133202	.1226904	1.09	0.283	-.1128839	.3792878
race_b	.2305542	.075113	3.07	0.003	.0798966	.3812117
race_h	.280189	.0729473	3.84	0.000	.1338752	.4265028
race_i	.1003946	.2123774	0.47	0.638	-.3255805	.5263697
race_o	.5068882	.1762758	2.88	0.006	.1533237	.8604528
race_mis	.3639579	.1632631	2.23	0.030	.0364935	.6914223
tsd_edu_hs	.2085761	.0380909	5.48	0.000	.1321754	.2849768
tsd_edu_mrhs	.5862296	.065466	8.95	0.000	.4549213	.7175378
tsd_edu_mis	.3833718	.0423789	9.05	0.000	.2983705	.4683732
tsd_mie_exp	.0208399	.1154823	0.18	0.857	-.2107882	.252468
tsd_mie_mis	-.1216093	.0676846	-1.80	0.078	-.2573674	.0141487
tsd_mie_psbl	-.1427655	.0571219	-2.50	0.016	-.2573376	-.0281934
tsd_medicare	-.2654239	.0514671	-5.16	0.000	-.3686538	-.1621941
tsd_medicare_miss	-.7551064	.1536444	-4.91	0.000	-1.063278	-.4469349
tsd_depend_1	-.2299476	.0423515	-5.43	0.000	-.314894	-.1450013
tsd_depend_2	-.0692675	.0479243	-1.45	0.154	-.1653915	.0268564
tsd_depend_miss	.2297392	.1080708	2.13	0.038	.0129765	.4465018
tsd_vrpr	.334691	.1167764	2.87	0.006	.1004672	.5689149
tsd_vrpr_miss	.0551457	.071625	0.77	0.445	-.0885159	.1988072
pdcgrou2	-.3416137	.0613089	-5.57	0.000	-.4645838	-.2186435
pdcgrou3	.2874873	.0619141	4.64	0.000	.1633034	.4116712
pdcgrou4	.0863709	.0451921	1.91	0.061	-.004273	.1770149
pdcgrou5	-.2637127	.3162498	-0.83	0.408	-.8980295	.3706042
cohort2000	.0218421	.1195306	0.18	0.856	-.217906	.2615901
cohort2001	.1701059	.1334426	1.27	0.208	-.097546	.4377579
cohort2002	.1214335	.216404	0.56	0.577	-.3126179	.5554849

cohort2003	.0643707	.2602441	0.25	0.806	-.4576127	.5863542
cohort2004	1.084384	.5120352	2.12	0.039	.0573719	2.111397
award_b4_tsd	-.0799472	.197203	-0.41	0.687	-.4754863	.3155919
diaward_tsd	-.0184284	.0050434	-3.65	0.001	-.0285443	-.0083126
epeb4twp_flag	-4.120362	1.685046	-2.45	0.018	-7.500136	-.7405874
ldwb4twp_flag	-3.729362	2.124845	-1.76	0.085	-7.991262	.5325371
ldwb4epe_flag	9.129458	1.333685	6.85	0.000	6.454425	11.80449
twpb4tsd	6.352241	.4114342	15.44	0.000	5.527009	7.177474
epeb4tsd	.9482528	.2487138	3.81	0.000	.4493962	1.447109
ldwb4tsd	16.31923	.4565641	35.74	0.000	15.40348	17.23498
st_AL	-.0312406	.0590753	-0.53	0.599	-.1497307	.0872495
st_AR	-.273975	.0693781	-3.95	0.000	-.4131299	-.1348201
st_AZ	-.4940975	.0640677	-7.71	0.000	-.622601	-.365594
st_CA	.5396141	.0471752	11.44	0.000	.4449927	.6342356
st_CO	-.639395	.0646273	-9.89	0.000	-.7690208	-.5097691
st_CT	-.5196186	.0637671	-8.15	0.000	-.6475193	-.391718
st_DC	.2165212	.096766	2.24	0.029	.0224333	.4106092
st_DE	-1.196654	.0666676	-17.95	0.000	-1.330372	-1.062936
st_FL	-.9044466	.0643138	-14.06	0.000	-1.033444	-.7754494
st_GA	-.3232984	.0538572	-6.00	0.000	-.4313222	-.2152746
st_HI	.3564578	.0453867	7.85	0.000	.2654237	.4474919
st_IA	-1.270165	.071813	-17.69	0.000	-1.414204	-1.126127
st_ID	-.0336794	.0647932	-0.52	0.605	-.1636381	.0962792
st_IL	-.6020608	.0496983	-12.11	0.000	-.7017428	-.5023787
st_IN	-.1205333	.0630813	-1.91	0.061	-.2470583	.0059918
st_KS	-.3569321	.061762	-5.78	0.000	-.4808108	-.2330533
st_KY	.0524784	.0767709	0.68	0.497	-.1015045	.2064613
st_LA	-.8075857	.0593525	-13.61	0.000	-.9266317	-.6885397
st_MA	-.6166954	.0666197	-9.26	0.000	-.7503175	-.4830733
st_MD	.5775633	.0461232	12.52	0.000	.4850518	.6700747
st_ME	.1626739	.066747	2.44	0.018	.0287964	.2965515
st_MI	-.3626972	.0654008	-5.55	0.000	-.4938746	-.2315198
st_MN	.0266649	.0607263	0.44	0.662	-.0951367	.1484665
st_MO	-.2714447	.0689316	-3.94	0.000	-.409704	-.1331854
st_MS	-.1241014	.0707865	-1.75	0.085	-.2660811	.0178783
st_MT	-1.354441	.0825515	-16.41	0.000	-1.520018	-1.188864
st_NC	-.1734358	.0562026	-3.09	0.003	-.286164	-.0607077
st_ND	-2.356907	.1083498	-21.75	0.000	-2.574229	-2.139585
st_NE	-.2310474	.0557619	-4.14	0.000	-.3428916	-.1192031
st_NH	-.2213897	.0681587	-3.25	0.002	-.3580988	-.0846806
st_NJ	-.6566601	.0600026	-10.94	0.000	-.7770101	-.53631
st_NM	-.9412264	.075859	-12.41	0.000	-1.09338	-.7890725
st_NV	-1.077876	.0546422	-19.73	0.000	-1.187475	-.9682779
st_NY	-.4932746	.0605731	-8.14	0.000	-.6147688	-.3717804
st_OH	-.0111676	.0569498	-0.20	0.845	-.1253945	.1030592
st_OK	-.4777269	.0763278	-6.26	0.000	-.630821	-.3246327
st_OR	-.9304568	.0746445	-12.47	0.000	-1.080175	-.780739
st_PA	.2062397	.0568854	3.63	0.001	.0921421	.3203373
st_PR	-.3654924	.0874368	-4.18	0.000	-.5408684	-.1901163
st_RI	.5006855	.0568563	8.81	0.000	.3866462	.6147248
st_SC	-.5998451	.0765015	-7.84	0.000	-.7532877	-.4464025
st_SD	-2.402944	.1065251	-22.56	0.000	-2.616606	-2.189282
st_TN	-.4120245	.0677678	-6.08	0.000	-.5479496	-.2760995
st_TX	.2543282	.0511034	4.98	0.000	.1518278	.3568285
st_UT	.1461262	.0634482	2.30	0.025	.0188652	.2733873
st_VA	-.0981387	.0633355	-1.55	0.127	-.2251737	.0288963
st_VT	-.4128724	.0764733	-5.40	0.000	-.5662584	-.2594863
st_WA	.3033132	.0575903	5.27	0.000	.1878017	.4188246
st_WI	-.5178188	.0586858	-8.82	0.000	-.6355277	-.40011
st_WV	.034601	.0781475	0.44	0.660	-.122143	.191345
st_WY	.0628805	.0665687	0.94	0.349	-.0706394	.1964003
pial	.0004162	.0001834	2.27	0.027	.0000483	.0007841
pia_miss	-.5383309	.2066599	-2.60	0.012	-.9528381	-.1238237

ime1	.0001016	.000065	1.56	0.124	-.0000287	.0002318
ime_miss	-.2067497	.0883983	-2.34	0.023	-.3840542	-.0294452
_cons	1.945077	.3163422	6.15	0.000	1.310575	2.579579

(1) motoimm = 0

F(1, 53) = 1.00
 Prob > F = 0.3208

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH3_nounemp.xls
 dir : seeout

Linear regression

Number of obs = 191818
 F(47, 53) = .
 Prob > F = .
 R-squared = 0.1167
 Root MSE = .12594

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	.0000534	.0000885	0.60	0.549	-.0001241 .000231
male	.0020931	.0005698	3.67	0.001	.0009503 .003236
gendermiss_flag	-.007864	.0022559	-3.49	0.001	-.0123887 -.0033394
tsd_age	-.0004542	.000089	-5.10	0.000	-.0006327 -.0002756
doage2	-.000058	.0000597	-0.97	0.336	-.0001777 .0000618
doage2miss_flag	-.0656553	.0392116	-1.67	0.100	-.1443038 .0129933
race_a	-.0022453	.0023195	-0.97	0.337	-.0068976 .002407
race_b	.0045964	.0011292	4.07	0.000	.0023316 .0068613
race_h	.0026079	.000896	2.91	0.005	.0008107 .0044051
race_i	.0046331	.0038799	1.19	0.238	-.003149 .0124151
race_o	.0091915	.002665	3.45	0.001	.0038462 .0145369
race_mis	.0048902	.0017467	2.80	0.007	.0013868 .0083936
tsd_edu_hs	.0032104	.0006836	4.70	0.000	.0018392 .0045816
tsd_edu_mrhs	.0077521	.0010611	7.31	0.000	.0056237 .0098805
tsd_edu_mis	.0053048	.0007874	6.74	0.000	.0037255 .0068841
tsd_mie_exp	.0026389	.0020013	1.32	0.193	-.0013751 .006653
tsd_mie_mis	-.0007467	.0009428	-0.79	0.432	-.0026378 .0011443
tsd_mie_psbl	.0001934	.0008044	0.24	0.811	-.00142 .0018067
tsd_medicare	-.0048661	.0010418	-4.67	0.000	-.0069557 -.0027764
tsd_medicare_miss	-.0061213	.0017729	-3.45	0.001	-.0096773 -.0025652
tsd_depend_1	-.0026483	.0006994	-3.79	0.000	-.0040512 -.0012454
tsd_depend_2	-.0012403	.0006792	-1.83	0.073	-.0026026 .0001219
tsd_depend_miss	.0031258	.0021919	1.43	0.160	-.0012706 .0075222
tsd_vrpr	.0111502	.0016829	6.63	0.000	.0077746 .0145257
tsd_vrpr_miss	.0105953	.001454	7.29	0.000	.007679 .0135116
pdcgrou2	-.0024363	.000896	-2.72	0.009	-.0042334 -.0006392
pdcgrou3	.0032068	.0008627	3.72	0.000	.0014765 .0049371
pdcgrou4	.0022469	.0006152	3.65	0.001	.0010129 .0034809
pdcgrou5	-.0018206	.0061009	-0.30	0.767	-.0140574 .0104161
cohort2000	.0015399	.0016324	0.94	0.350	-.0017343 .004814
cohort2001	.005772	.0021236	2.72	0.009	.0015126 .0100314
cohort2002	.0054559	.0037588	1.45	0.153	-.0020832 .012995
cohort2003	.0049648	.0040534	1.22	0.226	-.0031653 .0130949
cohort2004	.0091963	.0057028	1.61	0.113	-.0022422 .0206347
award_b4_tsd	-.0017329	.0021677	-0.80	0.428	-.0060808 .002615
diaward_tsd	-.0001936	.0000794	-2.44	0.018	-.0003529 -.0000343
epeb4twp_flag	-.0502829	.089891	-0.56	0.578	-.2305815 .1300156
ldwb4twp_flag	.180126	.057887	3.11	0.003	.0640194 .2962325

ldwb4epe_flag	.1066177	.0193159	5.52	0.000	.0678749	.1453605
twpb4tsd	.1552973	.0084161	18.45	0.000	.1384167	.1721779
epeb4tsd	.0643471	.0039351	16.35	0.000	.0564542	.07224
ldwb4tsd	-.0963013	.0117256	-8.21	0.000	-.1198199	-.0727827
st_AL	-.0029259	.0037631	-0.78	0.440	-.0104737	.004622
st_AR	-.0081504	.0036795	-2.22	0.031	-.0155305	-.0007703
st_AZ	-.003288	.0036457	-0.90	0.371	-.0106004	.0040243
st_CA	.0054585	.003695	1.48	0.146	-.0019528	.0128698
st_CO	-.0135748	.0036561	-3.71	0.000	-.0209081	-.0062415
st_CT	-.0070765	.0036664	-1.93	0.059	-.0144304	.0002774
st_DC	-.0005262	.0037377	-0.14	0.889	-.0080231	.0069707
st_DE	-.0179704	.0036627	-4.91	0.000	-.0253169	-.0106239
st_FL	-.0101106	.00363	-2.79	0.007	-.0173914	-.0028297
st_GA	-.0045548	.0036642	-1.24	0.219	-.0119043	.0027946
st_HI	.0050209	.0037972	1.32	0.192	-.0025953	.0126371
st_IA	-.0180602	.0037376	-4.83	0.000	-.0255569	-.0105634
st_ID	.0020378	.003818	0.53	0.596	-.0056201	.0096957
st_IL	-.0181673	.0036523	-4.97	0.000	-.0254929	-.0108416
st_IN	-.0070634	.0036737	-1.92	0.060	-.0144318	.0003051
st_KS	-.0112679	.0036905	-3.05	0.004	-.0186702	-.0038657
st_KY	-.008092	.0036806	-2.20	0.032	-.0154744	-.0007097
st_LA	-.0048336	.0036909	-1.31	0.196	-.0122367	.0025695
st_MA	-.0081478	.0036626	-2.22	0.030	-.015494	-.0008016
st_MD	.0058993	.00375	1.57	0.122	-.0016222	.0134208
st_ME	.0015451	.0037682	0.41	0.683	-.0060129	.009103
st_MI	-.0041526	.0036575	-1.14	0.261	-.0114886	.0031833
st_MN	.0019536	.0038109	0.51	0.610	-.00569	.0095973
st_MO	-.0082348	.0036744	-2.24	0.029	-.0156048	-.0008649
st_MS	-.0024837	.0036872	-0.67	0.503	-.0098793	.0049119
st_MT	-.0087092	.0037025	-2.35	0.022	-.0161355	-.0012828
st_NC	-.0012117	.0037511	-0.32	0.748	-.0087354	.006312
st_ND	-.0165767	.0037386	-4.43	0.000	-.0240754	-.009078
st_NE	-.0021611	.0037939	-0.57	0.571	-.0097707	.0054486
st_NH	-.0095481	.0036822	-2.59	0.012	-.0169336	-.0021626
st_NJ	-.0028245	.003687	-0.77	0.447	-.0102197	.0045707
st_NM	-.0000192	.0037185	-0.01	0.996	-.0074776	.0074393
st_NV	-.0072586	.003663	-1.98	0.053	-.0146057	.0000884
st_NY	-.0114015	.0036486	-3.12	0.003	-.0187197	-.0040833
st_OH	-.0023701	.0037715	-0.63	0.532	-.0099347	.0051945
st_OK	-.0007371	.0036504	-0.20	0.841	-.0080589	.0065847
st_OR	-.0102732	.0036204	-2.84	0.006	-.0175348	-.0030117
st_PA	.0029756	.0037539	0.79	0.431	-.0045537	.010505
st_PR	-.0026347	.0037924	-0.69	0.490	-.0102413	.0049718
st_RI	.0052007	.0037685	1.38	0.173	-.002358	.0127594
st_SC	-.0073771	.0036641	-2.01	0.049	-.0147264	-.0000278
st_SD	-.0126893	.0037322	-3.40	0.001	-.0201751	-.0052035
st_TN	-.0053751	.0036722	-1.46	0.149	-.0127406	.0019904
st_TX	.003569	.0037438	0.95	0.345	-.0039402	.0110781
st_UT	-.0011302	.0037762	-0.30	0.766	-.0087043	.0064439
st_VA	-.0040179	.00368	-1.09	0.280	-.011399	.0033632
st_VT	-.0032295	.003675	-0.88	0.383	-.0106005	.0041416
st_WA	.0013983	.0037424	0.37	0.710	-.006108	.0089045
st_WI	-.0193277	.0036765	-5.26	0.000	-.0267018	-.0119535
st_WV	.0027255	.0037405	0.73	0.469	-.004777	.010228
st_WY	-.0083332	.0038464	-2.17	0.035	-.0160481	-.0006182
pial	-7.54e-06	2.68e-06	-2.82	0.007	-.0000129	-2.17e-06
pia_miss	-.0183392	.0028329	-6.47	0.000	-.0240212	-.0126572
imel	4.06e-06	8.45e-07	4.80	0.000	2.36e-06	5.75e-06
ime_miss	.0034517	.0013685	2.52	0.015	.0007068	.0061967
phase2_st	.0081764	.0017975	4.55	0.000	.0045711	.0117818
_cons	.0097187	.0066647	1.46	0.151	-.003649	.0230863

(1) motoimm = 0

F(1, 53) = 0.36
Prob > F = 0.5486

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
PM_PH2_PH3_nounemp.x

> ls
dir : seeout

Linear regression

Number of obs = 191818
F(47, 53) = .
Prob > F = .
R-squared = 0.1171
Root MSE = .17452

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0001612	.0001155	-1.40	0.169	-.0003929	.0000705
male	.0051693	.0008705	5.94	0.000	.0034233	.0069153
gendermiss_flag	-.0267462	.0053617	-4.99	0.000	-.0375005	-.015992
tsd_age	-.0010611	.0001288	-8.24	0.000	-.0013194	-.0008028
doage2	-.0001189	.0000889	-1.34	0.187	-.0002971	.0000593
doage2miss_flag	-.0842789	.0442793	-1.90	0.062	-.173092	.0045341
race_a	.0001277	.003466	0.04	0.971	-.0068242	.0070797
race_b	.0101018	.0016658	6.06	0.000	.0067607	.013443
race_h	.005552	.0011607	4.78	0.000	.0032238	.0078801
race_i	.0059477	.0043761	1.36	0.180	-.0028295	.014725
race_o	.0193876	.0049676	3.90	0.000	.0094239	.0293513
race_mis	.0064697	.0035363	1.83	0.073	-.0006233	.0135627
tsd_edu_hs	.0051198	.0009996	5.12	0.000	.0031148	.0071248
tsd_edu_mrhs	.0158171	.0013605	11.63	0.000	.0130883	.0185458
tsd_edu_mis	.0095196	.0013668	6.96	0.000	.0067782	.012261
tsd_mie_exp	.0040432	.0025396	1.59	0.117	-.0010506	.009137
tsd_mie_mis	-.0034474	.0012077	-2.85	0.006	-.0058697	-.0010251
tsd_mie_psbl	-.000486	.0009668	-0.50	0.617	-.0024252	.0014533
tsd_medicare	-.0095041	.0014465	-6.57	0.000	-.0124055	-.0066028
tsd_medicare_miss	-.0152013	.0030686	-4.95	0.000	-.0213561	-.0090466
tsd_depend_1	-.0046486	.0011966	-3.88	0.000	-.0070487	-.0022484
tsd_depend_2	-.0016788	.0012139	-1.38	0.172	-.0041136	.000756
tsd_depend_mis	-.0036884	.0032098	-1.15	0.256	-.0101264	.0027497
tsd_vrpr	.0157114	.0028526	5.51	0.000	.0099899	.0214329
tsd_vrpr_miss	.0056622	.0021982	2.58	0.013	.0012531	.0100712
pdcgrou2	-.0073316	.0015674	-4.68	0.000	-.0104754	-.0041878
pdcgrou3	.0051359	.0011198	4.59	0.000	.0028898	.007382
pdcgrou4	.0033096	.0012036	2.75	0.008	.0008956	.0057236
pdcgrou5	-.0070708	.0076868	-0.92	0.362	-.0224886	.0083471
cohort2000	-.0010528	.0019718	-0.53	0.596	-.0050077	.0029021
cohort2001	.0032627	.002843	1.15	0.256	-.0024396	.008965
cohort2002	.0019848	.0045839	0.43	0.667	-.0072094	.0111789
cohort2003	.0066149	.0065377	1.01	0.316	-.006498	.0197278
cohort2004	.0104853	.0099173	1.06	0.295	-.0094064	.0303769
award_b4_tsd	.003636	.0054823	0.66	0.510	-.0073601	.014632
diaward_tsd	-.0004444	.0001281	-3.47	0.001	-.0007013	-.0001875
epeb4twp_flag	-.0981679	.093133	-1.05	0.297	-.2849691	.0886333
ldwb4twp_flag	.2531277	.079794	3.17	0.003	.0930812	.4131743
ldwb4epe_flag	.2593132	.0275811	9.40	0.000	.2039925	.3146339
twpb4tsd	.2128193	.0088483	24.05	0.000	.1950719	.2305668
epeb4tsd	.061249	.0040404	15.16	0.000	.053145	.069353
ldwb4tsd	-.1353588	.0142935	-9.47	0.000	-.1640279	-.1066897

st_AL	.0028992	.0022167	1.31	0.197	-.0015469	.0073453
st_AR	-.0077011	.001971	-3.91	0.000	-.0116545	-.0037477
st_AZ	.0070482	.0017148	4.11	0.000	.0036087	.0104878
st_CA	.0185163	.002065	8.97	0.000	.0143744	.0226583
st_CO	-.0208582	.0015846	-13.16	0.000	-.0240365	-.01768
st_CT	-.0012325	.0018135	-0.68	0.500	-.0048698	.0024049
st_DC	.0229023	.0018329	12.50	0.000	.019226	.0265787
st_DE	.0248543	.0017679	14.06	0.000	.0213083	.0284003
st_FL	-.0040946	.0016451	-2.49	0.016	-.0073943	-.0007949
st_GA	.0021748	.0017953	1.21	0.231	-.001426	.0057756
st_HI	.0120658	.0024992	4.83	0.000	.0070529	.0170786
st_IA	-.0252755	.0016861	-14.99	0.000	-.0286574	-.0218937
st_ID	.0107758	.0021649	4.98	0.000	.0064335	.0151181
st_IL	-.0128559	.0017955	-7.16	0.000	-.0164573	-.0092544
st_IN	-.0032042	.0019345	-1.66	0.104	-.0070843	.0006759
st_KS	-.0043354	.0019157	-2.26	0.028	-.0081779	-.000493
st_KY	-.007385	.0020398	-3.62	0.001	-.0114763	-.0032936
st_LA	.0030608	.0018885	1.62	0.111	-.0007271	.0068487
st_MA	-.0018608	.0017584	-1.06	0.295	-.0053876	.001666
st_MD	.0176618	.0021109	8.37	0.000	.0134279	.0218957
st_ME	.0121495	.0020804	5.84	0.000	.0079768	.0163222
st_MI	.002445	.0018349	1.33	0.188	-.0012354	.0061253
st_MN	.0109197	.0020145	5.42	0.000	.0068791	.0149603
st_MO	-.0030016	.0018479	-1.62	0.110	-.0067079	.0007048
st_MS	.0022204	.0018769	1.18	0.242	-.0015443	.0059851
st_MT	-.0074635	.0019585	-3.81	0.000	-.0113917	-.0035353
st_NC	.0007982	.0021869	0.36	0.717	-.0035882	.0051846
st_ND	-.0136172	.0019815	-6.87	0.000	-.0175916	-.0096428
st_NE	.0059886	.0020409	2.93	0.005	.001895	.0100822
st_NH	.0048386	.0020174	2.40	0.020	.0007923	.008885
st_NJ	.0059602	.0018746	3.18	0.002	.0022002	.0097201
st_NM	.0047406	.0018661	2.54	0.014	.0009977	.0084835
st_NV	.0017341	.0018944	0.92	0.364	-.0020657	.0055338
st_NY	-.0047097	.0017053	-2.76	0.008	-.0081301	-.0012893
st_OH	.0058589	.0020765	2.82	0.007	.0016939	.0100239
st_OK	-.0091739	.0017743	-5.17	0.000	-.0127328	-.0056151
st_OR	-.0011265	.0016918	-0.67	0.508	-.0045198	.0022669
st_PA	.0114908	.0020997	5.47	0.000	.0072794	.0157022
st_PR	-.0027682	.0026279	-1.05	0.297	-.0080391	.0025028
st_RI	.0169163	.0022044	7.67	0.000	.0124948	.0213377
st_SC	-.0092284	.0018422	-5.01	0.000	-.0129235	-.0055334
st_SD	-.0075899	.0020002	-3.79	0.000	-.0116017	-.0035781
st_TN	-.0027684	.0019192	-1.44	0.155	-.0066177	.001081
st_TX	.0119711	.0021069	5.68	0.000	.0077452	.0161969
st_UT	.0072104	.0020182	3.57	0.001	.0031624	.0112583
st_VA	.0028056	.0018902	1.48	0.144	-.0009858	.0065969
st_VT	.0046256	.0018108	2.55	0.014	.0009935	.0082577
st_WA	.0164264	.0020202	8.13	0.000	.0123745	.0204784
st_WI	-.0148879	.0017317	-8.60	0.000	-.0183613	-.0114145
st_WV	.0081426	.0022031	3.70	0.001	.0037237	.0125615
st_WY	-.0088245	.0020029	-4.41	0.000	-.0128417	-.0048073
pial	-.0000119	4.27e-06	-2.78	0.007	-.0000205	-3.32e-06
pia_miss	-.0229794	.0037781	-6.08	0.000	-.0305572	-.0154015
ime1	6.83e-06	1.30e-06	5.25	0.000	4.22e-06	9.45e-06
ime_miss	-.0019911	.0019652	-1.01	0.316	-.0059327	.0019505
phase2_st	.0082709	.0030995	2.67	0.010	.0020542	.0144876
_cons	.051848	.007505	6.91	0.000	.0367948	.0669012

(1) motoimm = 0

F(1, 53) = 1.95
 Prob > F = 0.1688

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
PM_PH2_PH3_nounemp.x
> ls
dir : seeout

```

Linear regression

```

Number of obs = 191818
F( 47, 53) = .
Prob > F = .
R-squared = 0.1149
Root MSE = .20796

```

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0001682	.0001293	-1.30	0.199	-.0004276	.0000912
male	.0068214	.0010923	6.25	0.000	.0046306	.0090123
gendermiss_flag	-.0460107	.0104971	-4.38	0.000	-.0670652	-.0249562
tsd_age	-.0016106	.000154	-10.46	0.000	-.0019195	-.0013017
doage2	-.0002923	.000115	-2.54	0.014	-.0005229	-.0000617
doage2miss_flag	-.0963604	.0347769	-2.77	0.008	-.166114	-.0266067
race_a	.0006051	.0030228	0.20	0.842	-.005458	.0066681
race_b	.015396	.0017101	9.00	0.000	.0119659	.0188261
race_h	.0065174	.002113	3.08	0.003	.0022792	.0107555
race_i	.0104358	.0054316	1.92	0.060	-.0004586	.0213301
race_o	.0144031	.0052558	2.74	0.008	.0038614	.0249448
race_mis	.0042141	.0043777	0.96	0.340	-.0045664	.0129946
tsd_edu_hs	.0066383	.0011961	5.55	0.000	.0042393	.0090374
tsd_edu_mrhs	.0221224	.0015407	14.36	0.000	.0190321	.0252127
tsd_edu_mis	.0130567	.0012423	10.51	0.000	.0105649	.0155485
tsd_mie_exp	.0031839	.0028983	1.10	0.277	-.0026293	.0089971
tsd_mie_mis	-.0042364	.0013888	-3.05	0.004	-.0070221	-.0014508
tsd_mie_psbl	-.0017362	.0012177	-1.43	0.160	-.0041786	.0007062
tsd_medicare	-.0119424	.0018354	-6.51	0.000	-.0156237	-.0082612
tsd_medicare_miss	-.0210378	.0043411	-4.85	0.000	-.0297449	-.0123307
tsd_depend_1	-.0051821	.0014688	-3.53	0.001	-.0081281	-.002236
tsd_depend_2	-.0005027	.0016352	-0.31	0.760	-.0037824	.0027771
tsd_depend_miss	-.0121275	.0038307	-3.17	0.003	-.0198108	-.0044441
tsd_vrpr	.0053441	.0032969	1.62	0.111	-.0012688	.0119569
tsd_vrpr_miss	-.0137571	.0030898	-4.45	0.000	-.0199545	-.0075597
pdcgrou2	-.01209	.0022254	-5.43	0.000	-.0165536	-.0076265
pdcgrou3	.0047412	.0013005	3.65	0.001	.0021328	.0073495
pdcgrou4	.0007207	.0017044	0.42	0.674	-.002698	.0041394
pdcgrou5	-.0093497	.0101296	-0.92	0.360	-.0296671	.0109677
cohort2000	-.0007876	.0016046	-0.49	0.626	-.0040059	.0024308
cohort2001	.0034298	.0033905	1.01	0.316	-.0033707	.0102304
cohort2002	.0009658	.0049255	0.20	0.845	-.0089135	.0108452
cohort2003	.0069725	.0069258	1.01	0.319	-.0069189	.0208639
cohort2004	.0190428	.011507	1.65	0.104	-.0040373	.0421229
award_b4_tsd	.0158771	.0073643	2.16	0.036	.0011062	.030648
diaward_tsd	-.0005664	.0001611	-3.52	0.001	-.0008895	-.0002434
epeb4twp_flag	-.0592668	.1191028	-0.50	0.621	-.2981567	.1796232
ldwb4twp_flag	.3840524	.0678631	5.66	0.000	.2479363	.5201685
ldwb4epe_flag	.3819982	.0271602	14.06	0.000	.3275216	.4364747
twpb4tsd	.2452492	.0089023	27.55	0.000	.2273935	.263105
epeb4tsd	.0489978	.0043739	11.20	0.000	.0402248	.0577707
ldwb4tsd	-.1635441	.0154889	-10.56	0.000	-.1946109	-.1324773
st_AL	-.0007899	.0053372	-0.15	0.883	-.011495	.0099153
st_AR	-.0129816	.0052449	-2.48	0.017	-.0235016	-.0024616
st_AZ	.0003459	.0051167	0.07	0.946	-.0099169	.0106088
st_CA	.022822	.0053215	4.29	0.000	.0121485	.0334955

st_CO	-.0113107	.0051347	-2.20	0.032	-.0216097	-.0010118
st_CT	-.004151	.0052048	-0.80	0.429	-.0145906	.0062885
st_DC	.0135306	.0052887	2.56	0.013	.0029227	.0241384
st_DE	.0051864	.0051081	1.02	0.315	-.0050592	.015432
st_FL	-.007595	.0050931	-1.49	0.142	-.0178105	.0026205
st_GA	.0019527	.0051843	0.38	0.708	-.0084456	.0123511
st_HI	.0170356	.005459	3.12	0.003	.0060863	.0279849
st_IA	-.0393402	.0052299	-7.52	0.000	-.04983	-.0288505
st_ID	.0029233	.0054685	0.53	0.595	-.0080451	.0138917
st_IL	-.0132369	.0051705	-2.56	0.013	-.0236076	-.0028663
st_IN	-.007705	.0052277	-1.47	0.146	-.0181904	.0027805
st_KS	-.002108	.0052375	-0.40	0.689	-.0126131	.0083971
st_KY	-.014205	.0052314	-2.72	0.009	-.0246978	-.0037121
st_LA	.0001852	.0052071	0.04	0.972	-.0102589	.0106292
st_MA	.0089875	.0051979	1.73	0.090	-.0014382	.0194131
st_MD	.0161469	.0053397	3.02	0.004	.0054369	.0268569
st_ME	.0155785	.0053887	2.89	0.006	.0047702	.0263869
st_MI	-.0022881	.0051839	-0.44	0.661	-.0126857	.0081096
st_MN	.0126895	.0054507	2.33	0.024	.0017569	.0236221
st_MO	-.011235	.0052082	-2.16	0.036	-.0216812	-.0007888
st_MS	-.0017685	.0051743	-0.34	0.734	-.0121468	.0086098
st_MT	-.0037115	.0052581	-0.71	0.483	-.0142579	.006835
st_NC	-.0044898	.0053571	-0.84	0.406	-.0152349	.0062552
st_ND	-.0210418	.0052924	-3.98	0.000	-.031657	-.0104267
st_NE	.0024153	.0053998	0.45	0.656	-.0084153	.0132459
st_NH	.0053576	.005238	1.02	0.311	-.0051486	.0158637
st_NJ	.0043868	.0052158	0.84	0.404	-.0060748	.0148485
st_NM	.0015448	.0052339	0.30	0.769	-.008953	.0120426
st_NV	-.0003512	.0052099	-0.07	0.947	-.0108009	.0100985
st_NY	-.0045465	.00512	-0.89	0.379	-.0148159	.0057228
st_OH	.0016648	.00539	0.31	0.759	-.0091462	.0124758
st_OK	.0239697	.0051085	4.69	0.000	.0137232	.0342161
st_OR	-.0103969	.0051288	-2.03	0.048	-.0206839	-.0001098
st_PA	.0094404	.0053587	1.76	0.084	-.0013078	.0201885
st_PR	-.0127845	.0055149	-2.32	0.024	-.0238461	-.001723
st_RI	.0167671	.005362	3.13	0.003	.0060124	.0275219
st_SC	-.0231453	.0051096	-4.53	0.000	-.033394	-.0128967
st_SD	-.0185995	.005279	-3.52	0.001	-.0291879	-.0080111
st_TN	-.008891	.0052199	-1.70	0.094	-.0193608	.0015787
st_TX	.0104008	.0053563	1.94	0.057	-.0003425	.0211441
st_UT	.002494	.005384	0.46	0.645	-.008305	.0132929
st_VA	.0003225	.0052178	0.06	0.951	-.0101432	.0107881
st_VT	.0049871	.0052455	0.95	0.346	-.005534	.0155082
st_WA	.0142423	.005346	2.66	0.010	.0035195	.0249651
st_WI	-.0125881	.0051767	-2.43	0.018	-.0229712	-.002205
st_WV	.003148	.0053445	0.59	0.558	-.0075716	.0138676
st_WY	-.0102295	.0054202	-1.89	0.065	-.0211011	.0006421
pial	-7.19e-06	5.58e-06	-1.29	0.203	-.0000184	4.01e-06
pia_miss	-.020852	.0047059	-4.43	0.000	-.0302909	-.0114131
ime1	5.87e-06	1.76e-06	3.34	0.002	2.34e-06	9.39e-06
ime_miss	-.0114261	.0024918	-4.59	0.000	-.016424	-.0064282
phase2_st	.0072484	.0037741	1.92	0.060	-.0003216	.0148184
_cons	.1129458	.0125427	9.00	0.000	.0877884	.1381032

(1) motoimm = 0

F(1, 53) = 1.69
 Prob > F = 0.1991

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_nounemp.x
 > ls

dir : seeout

Linear regression

Number of obs = 191818
 F(47, 53) = .
 Prob > F = .
 R-squared = 0.1095
 Root MSE = .23356

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll148	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0002587	.0001478	-1.75	0.086	-.0005551	.0000377
male	.0088577	.0012358	7.17	0.000	.006379	.0113365
gendermiss_flag	-.0647912	.0148806	-4.35	0.000	-.094638	-.0349445
tsd_age	-.0023337	.0002069	-11.28	0.000	-.0027485	-.0019188
doage2	-.0002673	.0001439	-1.86	0.069	-.0005558	.0000213
doage2miss_flag	-.1073705	.0214607	-5.00	0.000	-.1504152	-.0643257
race_a	-.0024445	.0037743	-0.65	0.520	-.0100149	.0051258
race_b	.0215502	.0020796	10.36	0.000	.0173791	.0257213
race_h	.0073495	.00329	2.23	0.030	.0007505	.0139485
race_i	.012618	.0070294	1.80	0.078	-.0014812	.0267172
race_o	.0173241	.0060803	2.85	0.006	.0051285	.0295197
race_mis	.0024297	.0052993	0.46	0.648	-.0081993	.0130587
tsd_edu_hs	.0072158	.0015402	4.69	0.000	.0041267	.010305
tsd_edu_mrhs	.0285898	.0017859	16.01	0.000	.0250079	.0321718
tsd_edu_mis	.0150397	.0014802	10.16	0.000	.0120707	.0180087
tsd_mie_exp	.0047736	.0039958	1.19	0.238	-.003241	.0127882
tsd_mie_mis	-.0053969	.0018109	-2.98	0.004	-.0090291	-.0017647
tsd_mie_psbl	-.0028442	.0013853	-2.05	0.045	-.0056227	-.0000657
tsd_medicare	-.0135154	.0019126	-7.07	0.000	-.0173516	-.0096792
tsd_medicare_miss	-.0287308	.0057783	-4.97	0.000	-.0403205	-.0171411
tsd_depend_1	-.0047451	.0016754	-2.83	0.007	-.0081056	-.0013847
tsd_depend_2	.0020999	.0018784	1.12	0.269	-.0016677	.0058675
tsd_depend_miss	-.0198693	.0047654	-4.17	0.000	-.0294275	-.010311
tsd_vrpr	-.0118956	.00381	-3.12	0.003	-.0195375	-.0042538
tsd_vrpr_miss	-.0383566	.0046914	-8.18	0.000	-.0477662	-.0289469
pdcgrou2	-.0183603	.0025942	-7.08	0.000	-.0235636	-.013157
pdcgrou3	.0034102	.0016817	2.03	0.048	.0000372	.0067832
pdcgrou4	-.0020534	.0020721	-0.99	0.326	-.0062095	.0021026
pdcgrou5	-.0216807	.0101135	-2.14	0.037	-.0419658	-.0013956
cohort2000	-.0027954	.0017196	-1.63	0.110	-.0062445	.0006537
cohort2001	-.0008321	.0032073	-0.26	0.796	-.0072651	.0056009
cohort2002	-.005378	.0048247	-1.11	0.270	-.0150551	.0042991
cohort2003	.0021743	.0070179	0.31	0.758	-.0119018	.0162504
cohort2004	.0210679	.0135106	1.56	0.125	-.0060309	.0481666
award_b4_tsd	.0196893	.0077617	2.54	0.014	.0041213	.0352574
diaward_tsd	-.0007568	.0001695	-4.47	0.000	-.0010967	-.00004169
epeb4twp_flag	-.0811462	.1196615	-0.68	0.501	-.3211567	.1588644
ldwb4twp_flag	.4141745	.074396	5.57	0.000	.2649551	.563394
ldwb4epe_flag	.4827754	.0283554	17.03	0.000	.4259016	.5396491
twpb4tsd	.2557038	.008302	30.80	0.000	.2390521	.2723556
epeb4tsd	.0404814	.0048256	8.39	0.000	.0308024	.0501604
ldwb4tsd	-.1825165	.0154512	-11.81	0.000	-.2135076	-.1515254
st_AL	-.0180756	.0071468	-2.53	0.014	-.0324103	-.003741
st_AR	-.0257437	.0069762	-3.69	0.001	-.0397361	-.0117513
st_AZ	-.0002906	.0068172	-0.04	0.966	-.0139642	.0133829
st_CA	.0137509	.0070907	1.94	0.058	-.0004712	.027973
st_CO	-.027042	.0068365	-3.96	0.000	-.0407543	-.0133297
st_CT	-.0190763	.006937	-2.75	0.008	-.0329902	-.0051625
st_DC	.0091767	.0071084	1.29	0.202	-.0050809	.0234344
st_DE	-.012595	.0068224	-1.85	0.070	-.026279	.0010889

st_FL	-.0101825	.0068199	-1.49	0.141	-.0238615	.0034965
st_GA	-.0109345	.006913	-1.58	0.120	-.0248003	.0029313
st_HI	.0071116	.0070803	1.00	0.320	-.0070897	.0213128
st_IA	-.0338389	.0069346	-4.88	0.000	-.047748	-.0199299
st_ID	-.0062741	.0072713	-0.86	0.392	-.0208585	.0083103
st_IL	-.0265605	.0068736	-3.86	0.000	-.0403472	-.0127737
st_IN	-.0240804	.0069763	-3.45	0.001	-.0380732	-.0100876
st_KS	-.0121635	.006973	-1.74	0.087	-.0261495	.0018225
st_KY	-.0292588	.0069696	-4.20	0.000	-.0432381	-.0152796
st_LA	-.0114853	.0069328	-1.66	0.103	-.0253907	.0024201
st_MA	.0041607	.0069088	0.60	0.550	-.0096966	.0180179
st_MD	.0036077	.0071481	0.50	0.616	-.0107296	.017945
st_ME	-.0034349	.0071686	-0.48	0.634	-.0178133	.0109435
st_MI	-.0156331	.0069162	-2.26	0.028	-.0295053	-.0017609
st_MN	-.0006341	.0072317	-0.09	0.930	-.015139	.0138709
st_MO	-.0240718	.0069601	-3.46	0.001	-.0380321	-.0101116
st_MS	-.015362	.0069358	-2.21	0.031	-.0292734	-.0014505
st_MT	-.0272422	.006963	-3.91	0.000	-.0412081	-.0132762
st_NC	-.023776	.0071663	-3.32	0.002	-.0381497	-.0094023
st_ND	-.030048	.0070009	-4.29	0.000	-.04409	-.016006
st_NE	-.0107728	.0071591	-1.50	0.138	-.0251322	.0035865
st_NH	.0025283	.0069801	0.36	0.719	-.0114719	.0165286
st_NJ	-.0091212	.0069426	-1.31	0.195	-.0230463	.0048039
st_NM	-.0084189	.0069489	-1.21	0.231	-.0223567	.0055189
st_NV	-.0111976	.0069332	-1.62	0.112	-.025104	.0027087
st_NY	-.0089747	.0068364	-1.31	0.195	-.0226868	.0047375
st_OH	-.0138818	.007176	-1.93	0.058	-.028275	.0005114
st_OK	.0052394	.0067942	0.77	0.444	-.008388	.0188668
st_OR	-.0130418	.0068136	-1.91	0.061	-.0267081	.0006246
st_PA	-.0031039	.0071417	-0.43	0.666	-.0174284	.0112206
st_PR	-.0348822	.0073073	-4.77	0.000	-.0495388	-.0202255
st_RI	.0039238	.0071314	0.55	0.584	-.01038	.0182275
st_SC	-.0430656	.0068749	-6.26	0.000	-.0568549	-.0292763
st_SD	-.0368222	.0069612	-5.29	0.000	-.0507847	-.0228597
st_TN	-.0255126	.0069619	-3.66	0.001	-.0394763	-.0115488
st_TX	-.0024836	.0071557	-0.35	0.730	-.016836	.0118689
st_UT	-.0077033	.0071404	-1.08	0.286	-.0220251	.0066184
st_VA	-.0138185	.0069595	-1.99	0.052	-.0277775	.0001404
st_VT	-.0028372	.0069802	-0.41	0.686	-.0168377	.0111633
st_WA	.00285	.0071191	0.40	0.691	-.0114291	.0171291
st_WI	-.0312967	.0069355	-4.51	0.000	-.0452076	-.0173858
st_WV	-.0128266	.0071026	-1.81	0.077	-.0270725	.0014194
st_WY	-.0071788	.0071755	-1.00	0.322	-.0215709	.0072134
pial	-5.99e-06	5.73e-06	-1.05	0.300	-.0000175	5.50e-06
pia_miss	-.0178561	.0048592	-3.67	0.001	-.0276024	-.0081097
ime1	5.24e-06	1.66e-06	3.17	0.003	1.92e-06	8.57e-06
ime_miss	-.0181101	.0024202	-7.48	0.000	-.0229645	-.0132558
phase2_st	.0023979	.0043079	0.56	0.580	-.0062426	.0110384
_cons	.198851	.0148759	13.37	0.000	.1690138	.2286882

(1) motoimm = 0

F(1, 53) = 3.06
 Prob > F = 0.0858

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_nounemp.x

> ls

dir : seeout

Linear regression

Number of obs = 191818

F(47, 53) = .

Prob > F = .
R-squared = 0.1210
Root MSE = .14485

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0001119	.0001117	1.00	0.321	-.0001123	.000336
male	.002106	.0007969	2.64	0.011	.0005077	.0037043
gendermiss_flag	-.013772	.0034774	-3.96	0.000	-.0207467	-.0067973
tsd_age	-.0003762	.0000912	-4.12	0.000	-.0005592	-.0001932
doage2	-.000253	.0000849	-2.98	0.004	-.0004234	-.0000827
doage2miss_flag	-.0520123	.0272761	-1.91	0.062	-.1067212	.0026966
race_a	-.0004374	.0028258	-0.15	0.878	-.0061052	.0052304
race_b	.0037631	.0011002	3.42	0.001	.0015565	.0059698
race_h	.0000458	.001715	0.03	0.979	-.003394	.0034857
race_i	-.0043981	.0032121	-1.37	0.177	-.0108407	.0020445
race_o	.0061084	.0039062	1.56	0.124	-.0017265	.0139432
race_mis	.0002083	.0022878	0.09	0.928	-.0043803	.004797
tsd_edu_hs	.0025764	.0011403	2.26	0.028	.0002892	.0048637
tsd_edu_mrhs	.006824	.0012798	5.33	0.000	.004257	.0093909
tsd_edu_mis	.006574	.0012624	5.21	0.000	.004042	.0091061
tsd_mie_exp	-.0017111	.0023638	-0.72	0.472	-.0064524	.0030301
tsd_mie_mis	-.0068509	.0013658	-5.02	0.000	-.0095903	-.0041115
tsd_mie_psbl	-.0059082	.0010875	-5.43	0.000	-.0080895	-.0037269
tsd_medicare	-.0078815	.0011225	-7.02	0.000	-.010133	-.0056301
tsd_medicare_miss	-.0092904	.0033451	-2.78	0.008	-.0159999	-.002581
tsd_depend_1	-.0033092	.0010168	-3.25	0.002	-.0053487	-.0012698
tsd_depend_2	-.0016645	.0007544	-2.21	0.032	-.0031776	-.0001514
tsd_depend_miss	-.0080933	.0026773	-3.02	0.004	-.0134632	-.0027234
tsd_vrpr	.0141682	.001709	8.29	0.000	.0107404	.017596
tsd_vrpr_miss	.0030258	.0018959	1.60	0.116	-.0007769	.0068286
pdcgrou2	.0014941	.0011737	1.27	0.209	-.0008601	.0038483
pdcgrou3	.0037235	.0012215	3.05	0.004	.0012735	.0061735
pdcgrou4	.0030491	.0008513	3.58	0.001	.0013415	.0047566
pdcgrou5	-.0079403	.0035785	-2.22	0.031	-.0151179	-.0007627
cohort2000	-.0029208	.0011728	-2.49	0.016	-.0052731	-.0005686
cohort2001	-.0022836	.0019412	-1.18	0.245	-.0061772	.0016099
cohort2002	-.0010026	.0032162	-0.31	0.756	-.0074535	.0054484
cohort2003	.0039579	.0037632	1.05	0.298	-.0035901	.0115058
cohort2004	.0014393	.0053292	0.27	0.788	-.0092498	.0121284
award_b4_tsd	.0004131	.0033971	0.12	0.904	-.0064007	.0072269
diaward_tsd	-.0003961	.0000915	-4.33	0.000	-.0005796	-.0002126
epeb4twp_flag	.0234497	.0257149	0.91	0.366	-.028128	.0750273
ldwb4twp_flag	.0144219	.0122657	1.18	0.245	-.0101799	.0390237
ldwb4epe_flag	.096562	.0202235	4.77	0.000	.0559989	.1371251
twpb4tsd	.2071546	.0065404	31.67	0.000	.1940362	.220273
epeb4tsd	-.0828425	.0081437	-10.17	0.000	-.0991768	-.0665083
ldwb4tsd	-.0479101	.003375	-14.20	0.000	-.0546796	-.0411407
st_AL	.0072377	.0040136	1.80	0.077	-.0008125	.0152879
st_AR	-.0052227	.003978	-1.31	0.195	-.0132016	.0027562
st_AZ	.0015304	.003854	0.40	0.693	-.0061997	.0092605
st_CA	.0126429	.0039871	3.17	0.003	.0046459	.0206399
st_CO	-.0052685	.0038414	-1.37	0.176	-.0129734	.0024363
st_CT	.0075366	.0039594	1.90	0.062	-.0004051	.0154782
st_DC	.0153277	.0040336	3.80	0.000	.0072374	.023418
st_DE	-.0168203	.0038671	-4.35	0.000	-.0245768	-.0090638
st_FL	.0011405	.0038282	0.30	0.767	-.0065378	.0088189
st_GA	.0001501	.003953	0.04	0.970	-.0077787	.0080788
st_HI	.0061684	.0042632	1.45	0.154	-.0023824	.0147193
st_IA	-.0176817	.0038753	-4.56	0.000	-.0254546	-.0099088

st_ID	.0090033	.003995	2.25	0.028	.0009904	.0170162
st_IL	-.0068895	.0038775	-1.78	0.081	-.0146667	.0008878
st_IN	.0003454	.0039853	0.09	0.931	-.0076482	.0083389
st_KS	.005496	.0039734	1.38	0.172	-.0024736	.0134656
st_KY	-.0083303	.0039693	-2.10	0.041	-.0162917	-.0003689
st_LA	.002474	.0039717	0.62	0.536	-.0054923	.0104403
st_MA	.0020518	.0039032	0.53	0.601	-.0057769	.0098806
st_MD	.0181994	.0039809	4.57	0.000	.0102147	.0261841
st_ME	.0156737	.004055	3.87	0.000	.0075404	.023807
st_MI	.0062731	.0039575	1.59	0.119	-.0016647	.0142109
st_MN	.0162208	.0040416	4.01	0.000	.0081144	.0243272
st_MO	.0005137	.0039546	0.13	0.897	-.0074182	.0084456
st_MS	.0012136	.0040062	0.30	0.763	-.0068219	.0092491
st_MT	.0063896	.003967	1.61	0.113	-.0015672	.0143464
st_NC	.0046891	.0039774	1.18	0.244	-.0032885	.0126667
st_ND	.0101148	.0040208	2.52	0.015	.0020501	.0181794
st_NE	.0063993	.0040462	1.58	0.120	-.0017164	.014515
st_NH	.0139926	.0040096	3.49	0.001	.0059503	.022035
st_NJ	.0068296	.0039318	1.74	0.088	-.0010565	.0147157
st_NM	.0046729	.0039109	1.19	0.237	-.0031713	.0125172
st_NV	.0019523	.0039496	0.49	0.623	-.0059696	.0098742
st_NY	-.0031513	.003834	-0.82	0.415	-.0108414	.0045387
st_OH	.0095517	.0040145	2.38	0.021	.0014996	.0176038
st_OK	-.0065393	.0038521	-1.70	0.095	-.0142656	.0011869
st_OR	-.0172665	.0038899	-4.44	0.000	-.0250686	-.0094643
st_PA	.0119911	.004024	2.98	0.004	.00392	.0200623
st_PR	.0017266	.0041394	0.42	0.678	-.0065759	.0100291
st_RI	.0204999	.0039511	5.19	0.000	.012575	.0284249
st_SC	.0043045	.0038869	1.11	0.273	-.0034916	.0121006
st_SD	.0001607	.0040076	0.04	0.968	-.0078775	.0081988
st_TN	.0011355	.0039655	0.29	0.776	-.0068182	.0090892
st_TX	.0098127	.0040169	2.44	0.018	.0017558	.0178697
st_UT	.0122051	.0040421	3.02	0.004	.0040977	.0203125
st_VA	.0028156	.0039647	0.71	0.481	-.0051366	.0107679
st_VT	-.0226748	.0039405	-5.75	0.000	-.0305785	-.0147712
st_WA	.0136092	.0040278	3.38	0.001	.0055304	.0216879
st_WI	-.0029497	.0038758	-0.76	0.450	-.0107236	.0048241
st_WV	.004329	.0040515	1.07	0.290	-.0037972	.0124552
st_WY	.0191521	.0040419	4.74	0.000	.0110449	.0272592
pial	-.000011	3.48e-06	-3.16	0.003	-.000018	-4.03e-06
pia_miss	-.0162541	.0032774	-4.96	0.000	-.0228278	-.0096804
ime1	3.86e-06	1.12e-06	3.43	0.001	1.60e-06	6.11e-06
ime_miss	-.0011869	.0014968	-0.79	0.431	-.0041892	.0018154
phase2_st	.0049075	.0026243	1.87	0.067	-.0003562	.0101713
_cons	.0389207	.0059773	6.51	0.000	.0269317	.0509096

(1) motoimm = 0

F(1, 53) = 1.00
 Prob > F = 0.3213

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_nounemp.x

> ls

dir : seeout

Linear regression

Number of obs = 191818
 F(47, 53) = .
 Prob > F = .
 R-squared = 0.1245
 Root MSE = .20005

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0001175	.0001236	-0.95	0.346	-.0003655	.0001304
male	.0025951	.0011197	2.32	0.024	.0003493	.0048409
gendermiss_flag	-.039159	.0115975	-3.38	0.001	-.0624207	-.0158973
tsd_age	-.0011962	.0001125	-10.63	0.000	-.0014219	-.0009705
doage2	-.0002566	.0001259	-2.04	0.046	-.0005091	-4.18e-06
doage2miss_flag	-.0739557	.019296	-3.83	0.000	-.1126586	-.0352528
race_a	.0033109	.0036118	0.92	0.363	-.0039335	.0105553
race_b	.0107553	.0016023	6.71	0.000	.0075415	.013969
race_h	-.0004382	.0014244	-0.31	0.760	-.0032951	.0024188
race_i	-.00599	.0047229	-1.27	0.210	-.0154629	.0034829
race_o	.0068299	.0059562	1.15	0.257	-.0051168	.0187765
race_mis	.0004858	.0032499	0.15	0.882	-.0060326	.0070042
tsd_edu_hs	.0032351	.0011022	2.94	0.005	.0010244	.0054457
tsd_edu_mrhs	.0159434	.00159	10.03	0.000	.0127544	.0191325
tsd_edu_mis	.0113861	.0013306	8.56	0.000	.0087172	.0140549
tsd_mie_exp	-.004074	.0031024	-1.31	0.195	-.0102966	.0021486
tsd_mie_mis	-.010877	.0017563	-6.19	0.000	-.0143998	-.0073542
tsd_mie_psbl	-.0083255	.0011888	-7.00	0.000	-.0107099	-.0059412
tsd_medicare	-.0128423	.0016888	-7.60	0.000	-.0162296	-.0094551
tsd_medicare_miss	-.021052	.0054574	-3.86	0.000	-.0319982	-.0101058
tsd_depend_1	-.0054059	.0014128	-3.83	0.000	-.0082396	-.0025722
tsd_depend_2	-.0032096	.0011049	-2.90	0.005	-.0054257	-.0009935
tsd_depend_miss	-.0198679	.0045517	-4.36	0.000	-.0289975	-.0107383
tsd_vrpr	.0080106	.0033461	2.39	0.020	.0012991	.0147221
tsd_vrpr_miss	-.0207829	.0034437	-6.04	0.000	-.0276901	-.0138756
pdcgrou2	-.0029869	.0017531	-1.70	0.094	-.0065032	.0005294
pdcgrou3	.0023682	.0014772	1.60	0.115	-.0005947	.005331
pdcgrou4	.0003149	.0012574	0.25	0.803	-.0022071	.0028369
pdcgrou5	-.0106856	.0082739	-1.29	0.202	-.0272809	.0059097
cohort2000	-.0071874	.001641	-4.38	0.000	-.0104787	-.003896
cohort2001	-.0097188	.0030554	-3.18	0.002	-.0158471	-.0035905
cohort2002	-.0091357	.0044582	-2.05	0.045	-.0180776	-.0001937
cohort2003	-.0009038	.0053938	-0.17	0.868	-.0117223	.0099147
cohort2004	-.0011817	.0094528	-0.13	0.901	-.0201417	.0177783
award_b4_tsd	.0109564	.0061845	1.77	0.082	-.0014482	.023361
diaward_tsd	-.0007992	.00015	-5.33	0.000	-.0011	-.0004984
epeb4twp_flag	.0343688	.0348724	0.99	0.329	-.0355764	.104314
ldwb4twp_flag	.011513	.017286	0.67	0.508	-.0231584	.0461843
ldwb4epe_flag	.2429021	.0268402	9.05	0.000	.1890674	.2967368
twpb4tsd	.273212	.0065064	41.99	0.000	.2601619	.2862622
epeb4tsd	-.1280585	.0095934	-13.35	0.000	-.1473003	-.1088166
ldwb4tsd	-.075076	.004238	-17.72	0.000	-.0835763	-.0665757
st_AL	.0052513	.0036724	1.43	0.159	-.0021147	.0126173
st_AR	-.0137519	.00317	-4.34	0.000	-.0201101	-.0073937
st_AZ	-.0079214	.0030311	-2.61	0.012	-.014001	-.0018418
st_CA	.0168574	.0035559	4.74	0.000	.0097253	.0239895
st_CO	-.0215086	.0030066	-7.15	0.000	-.027539	-.0154782
st_CT	.0128968	.0031373	4.11	0.000	.0066043	.0191894
st_DC	.0241973	.0032397	7.47	0.000	.0176994	.0306953
st_DE	-.0118407	.0030494	-3.88	0.000	-.0179571	-.0057243
st_FL	-.0061806	.0030296	-2.04	0.046	-.0122573	-.0001039
st_GA	-.0079428	.0031403	-2.53	0.014	-.0142414	-.0016443
st_HI	.0152441	.0032858	4.64	0.000	.0086536	.0218346
st_IA	-.0071723	.0030567	-2.35	0.023	-.0133033	-.0010413
st_ID	.0111399	.0036324	3.07	0.003	.0038543	.0184255
st_IL	-.007633	.0031027	-2.46	0.017	-.0138562	-.0014099
st_IN	-.0042978	.0031734	-1.35	0.181	-.0106628	.0020672
st_KS	.0062399	.0031586	1.98	0.053	-.0000954	.0125752

st_KY	-.0184923	.0031547	-5.86	0.000	-.0248198	-.0121648
st_LA	-.0022207	.0031679	-0.70	0.489	-.0085609	.0041469
st_MA	.0069671	.0031544	2.21	0.032	.0006401	.0132941
st_MD	.0227155	.0036126	6.29	0.000	.0154695	.0299615
st_ME	.022939	.0036135	6.35	0.000	.0156912	.0301868
st_MI	.0012934	.0031131	0.42	0.679	-.0049507	.0075376
st_MN	.0291701	.0035797	8.15	0.000	.0219901	.0363502
st_MO	-.0085204	.0031248	-2.73	0.009	-.0147879	-.0022529
st_MS	-.0075992	.0032113	-2.37	0.022	-.0140403	-.0011581
st_MT	-.0045367	.0031358	-1.45	0.154	-.0108263	.0017529
st_NC	.000578	.0036358	0.16	0.874	-.0067144	.0078704
st_ND	.0038083	.0032316	1.18	0.244	-.0026734	.01029
st_NE	.0082759	.0035941	2.30	0.025	.0010671	.0154848
st_NH	.0130082	.0032031	4.06	0.000	.0065835	.0194328
st_NJ	.0013252	.0031079	0.43	0.672	-.0049084	.0075588
st_NM	.004254	.0030984	1.37	0.176	-.0019606	.0104686
st_NV	-.0030045	.0030711	-0.98	0.332	-.0091644	.0031554
st_NY	-.0045561	.0030635	-1.49	0.143	-.0107008	.0015886
st_OH	.0101565	.0036268	2.80	0.007	.0028821	.0174309
st_OK	-.0013882	.0030031	-0.46	0.646	-.0074118	.0046353
st_OR	-.0292014	.0030408	-9.60	0.000	-.0353004	-.0231024
st_PA	.0135113	.0036336	3.72	0.000	.0062233	.0207994
st_PR	-.0073354	.0039446	-1.86	0.068	-.0152473	.0005766
st_RI	.035672	.0036687	9.72	0.000	.0283136	.0430304
st_SC	-.0126824	.0031295	-4.05	0.000	-.0189594	-.0064054
st_SD	.0036145	.0031646	1.14	0.259	-.0027329	.0099619
st_TN	-.0066097	.003163	-2.09	0.041	-.012954	-.0002655
st_TX	.0104963	.0036304	2.89	0.006	.0032147	.0177779
st_UT	.0113309	.0036039	3.14	0.003	.0041024	.0185594
st_VA	-.0000543	.0031445	-0.02	0.986	-.0063614	.0062528
st_VT	-.0511656	.0031611	-16.19	0.000	-.057506	-.0448252
st_WA	.0183105	.00356	5.14	0.000	.0111701	.0254508
st_WI	.0088019	.0031031	2.84	0.006	.0025778	.0150261
st_WV	.0086687	.00366	2.37	0.022	.0013276	.0160097
st_WY	.019787	.0036448	5.43	0.000	.0124764	.0270977
pial	-6.79e-06	4.57e-06	-1.49	0.143	-.000016	2.38e-06
pia_miss	-.0108402	.0050258	-2.16	0.036	-.0209207	-.0007598
ime1	3.67e-06	1.35e-06	2.72	0.009	9.66e-07	6.37e-06
ime_miss	-.0126583	.0022506	-5.62	0.000	-.0171724	-.0081441
phase2_st	.0054587	.0037901	1.44	0.156	-.0021433	.0130608
_cons	.1296716	.0097541	13.29	0.000	.1101074	.1492359

(1) motoimm = 0

F(1, 53) = 0.90
 Prob > F = 0.3460

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_nounemp.x
 > ls
 dir : seeout

Linear regression

Number of obs =	191818
F(47, 53) =	.
Prob > F =	.
R-squared =	0.1231
Root MSE =	.2358

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
------------	-------	------------------	---	------	----------------------

motoimm	-.000184	.0001495	-1.23	0.224	-.0004839	.0001159
male	.0035555	.0015472	2.30	0.026	.0004522	.0066588
gendermiss_flag	-.0647467	.0201344	-3.22	0.002	-.1051313	-.0243622
tsd_age	-.0020731	.0001475	-14.06	0.000	-.0023689	-.0017773
doage2	-.0002454	.0001403	-1.75	0.086	-.0005269	.000036
doage2miss_flag	-.0860714	.0059499	-14.47	0.000	-.0980054	-.0741375
race_a	.0011972	.005384	0.22	0.825	-.0096017	.0119961
race_b	.0165012	.0017853	9.24	0.000	.0129205	.020082
race_h	-.001962	.0015486	-1.27	0.211	-.0050681	.0011441
race_i	.0020265	.0069231	0.29	0.771	-.0118595	.0159126
race_o	.0030826	.0063893	0.48	0.631	-.0097327	.0158979
race_mis	-.0013729	.0044128	-0.31	0.757	-.010224	.0074781
tsd_edu_hs	.0059419	.0012533	4.74	0.000	.0034281	.0084557
tsd_edu_mrhs	.0229334	.0016393	13.99	0.000	.0196454	.0262214
tsd_edu_mis	.0140522	.0015632	8.99	0.000	.0109168	.0171877
tsd_mie_exp	-.0038168	.0039642	-0.96	0.340	-.0117679	.0041343
tsd_mie_mis	-.0125046	.0023733	-5.27	0.000	-.0172648	-.0077444
tsd_mie_psbl	-.0102375	.0016189	-6.32	0.000	-.0134846	-.0069904
tsd_medicare	-.0180397	.0020715	-8.71	0.000	-.0221946	-.0138847
tsd_medicare_miss	-.0268759	.0071978	-3.73	0.000	-.0413129	-.012439
tsd_depend_1	-.0068369	.0017802	-3.84	0.000	-.0104076	-.0032662
tsd_depend_2	-.0026391	.0012897	-2.05	0.046	-.0052259	-.0000523
tsd_depend_mis	-.0263016	.0054915	-4.79	0.000	-.0373162	-.015287
tsd_vrpr	-.0133861	.0047224	-2.83	0.006	-.0228581	-.0039141
tsd_vrpr_miss	-.0561096	.0050333	-11.15	0.000	-.0662051	-.0460141
pdcgrou2	-.0096385	.0024479	-3.94	0.000	-.0145483	-.0047287
pdcgrou3	.0000631	.0019177	0.03	0.974	-.0037832	.0039095
pdcgrou4	-.0038756	.0017203	-2.25	0.028	-.0073261	-.0004251
pdcgrou5	-.013403	.0121309	-1.10	0.274	-.0377345	.0109286
cohort2000	-.0107397	.0020353	-5.28	0.000	-.0148219	-.0066575
cohort2001	-.012666	.003597	-3.52	0.001	-.0198806	-.0054513
cohort2002	-.0132271	.0054085	-2.45	0.018	-.0240752	-.002379
cohort2003	-.0052176	.0058093	-0.90	0.373	-.0168695	.0064344
cohort2004	.0173783	.0115508	1.50	0.138	-.0057897	.0405462
award_b4_tsd	.0199217	.006828	2.92	0.005	.0062264	.033617
diaward_tsd	-.0009369	.0001715	-5.46	0.000	-.0012809	-.000593
epeb4twp_flag	.0436415	.0392457	1.11	0.271	-.0350753	.1223583
ldwb4twp_flag	.0030889	.0205791	0.15	0.881	-.0381875	.0443654
ldwb4epe_flag	.3683385	.0240634	15.31	0.000	.3200734	.4166035
twpb4tsd	.3000103	.0064488	46.52	0.000	.2870757	.3129448
epeb4tsd	-.1605215	.0091953	-17.46	0.000	-.178965	-.142078
ldwb4tsd	-.0917164	.0044871	-20.44	0.000	-.1007164	-.0827163
st_AL	-.0099334	.0063442	-1.57	0.123	-.0226582	.0027914
st_AR	-.0209984	.0063831	-3.29	0.002	-.0338013	-.0081955
st_AZ	-.0216191	.0062071	-3.48	0.001	-.0340689	-.0091694
st_CA	.0104653	.0062483	1.67	0.100	-.0020672	.0229979
st_CO	-.0221866	.0062087	-3.57	0.001	-.0346396	-.0097336
st_CT	.0105007	.0063028	1.67	0.102	-.0021411	.0231426
st_DC	.0121679	.0064527	1.89	0.065	-.0007745	.0251103
st_DE	-.0422917	.0062081	-6.81	0.000	-.0547436	-.0298398
st_FL	-.01444	.0061389	-2.35	0.022	-.026753	-.002127
st_GA	-.0139814	.0062732	-2.23	0.030	-.0265639	-.001399
st_HI	.0068324	.0065205	1.05	0.299	-.0062461	.019911
st_IA	.0145304	.0062171	2.34	0.023	.0020605	.0270003
st_ID	.0008171	.0063205	0.13	0.898	-.0118602	.0134945
st_IL	-.0050004	.0062318	-0.80	0.426	-.0174999	.0074991
st_IN	-.0110057	.0063689	-1.73	0.090	-.0237801	.0017687
st_KS	.0018309	.006348	0.29	0.774	-.0109016	.0145635
st_KY	-.0315451	.0063656	-4.96	0.000	-.0443128	-.0187774
st_LA	-.009634	.0063401	-1.52	0.135	-.0223506	.0030826
st_MA	.0135722	.0062888	2.16	0.035	.0009585	.026186
st_MD	.0124784	.0062737	1.99	0.052	-.0001052	.0250619

st_ME	.0164361	.0063649	2.58	0.013	.0036697	.0292025
st_MI	-.0067176	.0063075	-1.07	0.292	-.0193688	.0059337
st_MN	.0208921	.006378	3.28	0.002	.0080996	.0336847
st_MO	-.0179635	.0063321	-2.84	0.006	-.0306641	-.005263
st_MS	-.0180756	.0063725	-2.84	0.006	-.0308571	-.0052941
st_MT	-.0129693	.0063895	-2.03	0.047	-.0257851	-.0001535
st_NC	-.0120864	.0063024	-1.92	0.061	-.0247275	.0005547
st_ND	-.0061319	.0064282	-0.95	0.344	-.0190253	.0067615
st_NE	-.0024154	.006352	-0.38	0.705	-.0151558	.0103251
st_NH	.023107	.0063834	3.62	0.001	.0103035	.0359105
st_NJ	-.0040187	.0063442	-0.63	0.529	-.0167436	.0087061
st_NM	-.0006715	.0064057	-0.10	0.917	-.0135198	.0121767
st_NV	-.0047959	.0063798	-0.75	0.456	-.0175922	.0080005
st_NY	-.0026271	.0062005	-0.42	0.674	-.0150638	.0098097
st_OH	-.0038322	.0063315	-0.61	0.548	-.0165316	.0088672
st_OK	.0065325	.0061677	1.06	0.294	-.0058384	.0189034
st_OR	-.0200137	.00629	-3.18	0.002	-.0326299	-.0073975
st_PA	.0021392	.0063145	0.34	0.736	-.010526	.0148044
st_PR	-.0254304	.0063161	-4.03	0.000	-.0380989	-.0127618
st_RI	.0298244	.0062044	4.81	0.000	.0173798	.0422689
st_SC	-.0293528	.0062595	-4.69	0.000	-.0419078	-.0167978
st_SD	-.0155418	.0064208	-2.42	0.019	-.0284203	-.0026633
st_TN	-.0186088	.006364	-2.92	0.005	-.0313732	-.0058443
st_TX	-.0022744	.0063389	-0.36	0.721	-.0149887	.01044
st_UT	-.0001337	.0063944	-0.02	0.983	-.0129592	.0126918
st_VA	-.0051388	.00636	-0.81	0.423	-.0178954	.0076178
st_VT	-.0421049	.0063814	-6.60	0.000	-.0549044	-.0293055
st_WA	.0094723	.006322	1.50	0.140	-.003208	.0221527
st_WI	-.0068444	.0061945	-1.10	0.274	-.019269	.0055801
st_WV	-.0041654	.006345	-0.66	0.514	-.0168919	.0085611
st_WY	-.0011835	.0063691	-0.19	0.853	-.0139583	.0115914
pial	1.69e-06	6.42e-06	0.26	0.793	-.0000112	.0000146
pia_miss	-.0052863	.0063863	-0.83	0.412	-.0180955	.007523
ime1	6.02e-07	1.55e-06	0.39	0.700	-2.51e-06	3.72e-06
ime_miss	-.0263539	.0026357	-10.00	0.000	-.0316405	-.0210673
phase2_st	.0003544	.0038979	0.09	0.928	-.0074638	.0081726
_cons	.2332801	.0126635	18.42	0.000	.2078804	.2586799

(1) motoimm = 0

F(1, 53) = 1.51
 Prob > F = 0.2239

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_nounemp.x

> ls
 dir : seeout

Linear regression

Number of obs = 191818
 F(47, 53) = .
 Prob > F = .
 R-squared = 0.1192
 Root MSE = .2572

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0002473	.0001757	-1.41	0.165	-.0005998 .0001052
male	.0033214	.0015085	2.20	0.032	.0002957 .0063471
gendermiss_flag	-.0825936	.0269244	-3.07	0.003	-.1365971 -.02859

tsd_age	-.0026864	.0001921	-13.98	0.000	-.0030717	-.002301
doage2	-.0001783	.0001707	-1.04	0.301	-.0005206	.000164
doage2miss_flag	-.088941	.0135742	-6.55	0.000	-.1161675	-.0617145
race_a	-.0002898	.0075224	-0.04	0.969	-.0153779	.0147982
race_b	.0171806	.001876	9.16	0.000	.0134179	.0209433
race_h	-.0015932	.0016965	-0.94	0.352	-.0049959	.0018095
race_i	.0029674	.0085317	0.35	0.729	-.014145	.0200798
race_o	.0033512	.0057737	0.58	0.564	-.0082295	.0149318
race_mis	-.0063603	.0046554	-1.37	0.178	-.0156979	.0029774
tsd_edu_hs	.0073537	.0014129	5.20	0.000	.0045197	.0101876
tsd_edu_mrhs	.0284867	.0016565	17.20	0.000	.0251642	.0318092
tsd_edu_mis	.0156706	.0017578	8.92	0.000	.012145	.0191962
tsd_mie_exp	-.0035496	.0045849	-0.77	0.442	-.0127458	.0056466
tsd_mie_mis	-.0129506	.0023274	-5.56	0.000	-.0176188	-.0082825
tsd_mie_psbl	-.0090577	.0016185	-5.60	0.000	-.0123041	-.0058113
tsd_medicare	-.0201715	.0021949	-9.19	0.000	-.0245739	-.0157691
tsd_medicare_miss	-.0342678	.008591	-3.99	0.000	-.0514991	-.0170365
tsd_depend_1	-.006552	.001848	-3.55	0.001	-.0102587	-.0028453
tsd_depend_2	-.0005594	.001286	-0.43	0.665	-.0031388	.0020201
tsd_depend_miss	-.0300037	.0061921	-4.85	0.000	-.0424236	-.0175839
tsd_vrpr	-.0314401	.004656	-6.75	0.000	-.0407788	-.0221014
tsd_vrpr_miss	-.0839924	.0050344	-16.68	0.000	-.0940902	-.0738946
pdcgrou2	-.0130278	.0027728	-4.70	0.000	-.0185892	-.0074663
pdcgrou3	-.0018474	.0019968	-0.93	0.359	-.0058524	.0021576
pdcgrou4	-.0061384	.002066	-2.97	0.004	-.0102823	-.0019944
pdcgrou5	-.0249903	.0117903	-2.12	0.039	-.0486386	-.0013419
cohort2000	-.0116587	.0024944	-4.67	0.000	-.0166619	-.0066556
cohort2001	-.0142054	.004517	-3.14	0.003	-.0232654	-.0051454
cohort2002	-.0143116	.0066278	-2.16	0.035	-.0276053	-.0010179
cohort2003	-.0062408	.0074056	-0.84	0.403	-.0210945	.0086128
cohort2004	.0192622	.0115324	1.67	0.101	-.0038689	.0423934
award_b4_tsd	.027793	.0078179	3.56	0.001	.0121123	.0434736
diaward_tsd	-.0010054	.0002171	-4.63	0.000	-.0014409	-.0005699
epeb4twp_flag	.0456397	.0407671	1.12	0.268	-.0361288	.1274082
ldwb4twp_flag	-.0041077	.0218392	-0.19	0.852	-.0479116	.0396962
ldwb4epe_flag	.4808907	.0245421	19.59	0.000	.4316656	.5301159
twpb4tsd	.3035883	.0063897	47.51	0.000	.2907722	.3164043
epeb4tsd	-.1769409	.0089557	-19.76	0.000	-.1949038	-.158978
ldwb4tsd	-.1005824	.0045447	-22.13	0.000	-.109698	-.0914668
st_AL	-.0235175	.0068385	-3.44	0.001	-.0372339	-.0098011
st_AR	-.0253251	.0066106	-3.83	0.000	-.0385842	-.012066
st_AZ	-.0247637	.0064783	-3.82	0.000	-.0377575	-.0117699
st_CA	.0028684	.0066191	0.43	0.667	-.0104078	.0161446
st_CO	-.0371585	.0064411	-5.77	0.000	-.0500777	-.0242392
st_CT	.0065086	.0064548	1.01	0.318	-.0064382	.0194554
st_DC	.0191151	.0066934	2.86	0.006	.0056898	.0325404
st_DE	-.0318183	.0064415	-4.94	0.000	-.0447383	-.0188984
st_FL	-.0120507	.0063956	-1.88	0.065	-.0248786	.0007772
st_GA	-.0182766	.006489	-2.82	0.007	-.0312919	-.0052612
st_HI	-.0034558	.0067815	-0.51	0.612	-.0170577	.0101461
st_IA	.0198116	.0064825	3.06	0.004	.0068093	.0328139
st_ID	-.0101042	.0067755	-1.49	0.142	-.0236942	.0034857
st_IL	-.0095371	.0064512	-1.48	0.145	-.0224766	.0034025
st_IN	-.0165344	.0065599	-2.52	0.015	-.0296919	-.0033769
st_KS	.0033855	.0065185	0.52	0.606	-.009689	.01646
st_KY	-.0366986	.0065743	-5.58	0.000	-.049885	-.0235122
st_LA	-.0086286	.0065593	-1.32	0.194	-.021785	.0045278
st_MA	.0152725	.0065256	2.34	0.023	.0021837	.0283612
st_MD	-.001015	.0067101	-0.15	0.880	-.0144738	.0124437
st_ME	.0055943	.006888	0.81	0.420	-.0082212	.0194099
st_MI	-.0122327	.0065021	-1.88	0.065	-.0252743	.0008089
st_MN	.0083239	.0068696	1.21	0.231	-.0054547	.0221025
st_MO	-.0196163	.0065297	-3.00	0.004	-.0327131	-.0065195

st_MS	-.0225213	.0066099	-3.41	0.001	-.0357791	-.0092634
st_MT	-.0179139	.006568	-2.73	0.009	-.0310875	-.0047402
st_NC	-.0270789	.006754	-4.01	0.000	-.0406257	-.0135322
st_ND	-.0054711	.0065908	-0.83	0.410	-.0186906	.0077483
st_NE	-.0085976	.0068355	-1.26	0.214	-.0223078	.0051127
st_NH	.0353427	.0065588	5.39	0.000	.0221875	.0484979
st_NJ	-.0066364	.0065236	-1.02	0.314	-.0197211	.0064483
st_NM	-.0001981	.0065853	-0.03	0.976	-.0134066	.0130103
st_NV	-.0117209	.006565	-1.79	0.080	-.0248886	.0014467
st_NY	-.0008637	.0064401	-0.13	0.894	-.013781	.0120536
st_OH	-.0160325	.0068255	-2.35	0.023	-.0297227	-.0023423
st_OK	.0011048	.0064263	0.17	0.864	-.0117846	.0139942
st_OR	.0028668	.0065247	0.44	0.662	-.01022	.0159537
st_PA	-.0055686	.0068008	-0.82	0.417	-.0192094	.0080721
st_PR	-.0425215	.0067583	-6.29	0.000	-.056077	-.028966
st_RI	.0212262	.0065909	3.22	0.002	.0080066	.0344458
st_SC	-.0396735	.006562	-6.05	0.000	-.0528352	-.0265119
st_SD	-.0122083	.006581	-1.86	0.069	-.0254082	.0009916
st_TN	-.0238906	.0065832	-3.63	0.001	-.0370949	-.0106864
st_TX	-.0125439	.0068258	-1.84	0.072	-.0262348	.0011471
st_UT	-.0105953	.0068737	-1.54	0.129	-.0243822	.0031917
st_VA	-.006189	.006571	-0.94	0.351	-.0193687	.0069907
st_VT	.0154396	.006689	2.31	0.025	.0020231	.0288562
st_WA	-.002039	.006763	-0.30	0.764	-.0156039	.0115258
st_WI	-.0065223	.0064743	-1.01	0.318	-.0195081	.0064635
st_WV	-.0144895	.0068407	-2.12	0.039	-.0282103	-.0007688
st_WY	.0032242	.0068476	0.47	0.640	-.0105103	.0169588
pial	8.99e-06	8.10e-06	1.11	0.272	-7.25e-06	.0000252
pia_miss	-.0000367	.0067703	-0.01	0.996	-.0136162	.0135429
ime1	-1.71e-06	2.00e-06	-0.85	0.397	-5.71e-06	2.30e-06
ime_miss	-.033791	.0028944	-11.67	0.000	-.0395965	-.0279856
phase2_st	-.0058645	.0045676	-1.28	0.205	-.0150258	.0032969
_cons	.3038811	.013958	21.77	0.000	.2758848	.3318773

(1) motoimm = 0

F(1, 53) = 1.98
 Prob > F = 0.1652

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_nounemp.x
 > ls
 dir : seeout

Linear regression

Number of obs = 191818
 F(47, 53) = .
 Prob > F = .
 R-squared = 0.0181
 Root MSE = .17913

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0000748	.0001135	-0.66	0.512	-.0003024	.0001527
male	.0023525	.001014	2.32	0.024	.0003187	.0043864
gendermiss_flag	-.0420179	.0125484	-3.35	0.002	-.0671868	-.016849
tsd_age	-.0013281	.0001343	-9.89	0.000	-.0015975	-.0010587
doage2	.0001154	.000115	1.00	0.320	-.0001152	.0003459
doage2miss_flag	-.0026652	.0269558	-0.10	0.922	-.0567317	.0514014
race_a	-.0003401	.0034074	-0.10	0.921	-.0071744	.0064943

race_b	.0075851	.0012456	6.09	0.000	.0050868	.0100834
race_h	-.0000413	.0010603	-0.04	0.969	-.0021681	.0020855
race_i	-.0038493	.0048269	-0.80	0.429	-.0135307	.0058322
race_o	.0112161	.0069015	1.63	0.110	-.0026266	.0250588
race_mis	-.0017194	.0038606	-0.45	0.658	-.0094627	.0060239
tsd_edu_hs	.0021836	.0009477	2.30	0.025	.0002827	.0040845
tsd_edu_mrhs	.0112212	.0015139	7.41	0.000	.0081846	.0142577
tsd_edu_mis	.0035112	.0013733	2.56	0.013	.0007567	.0062657
tsd_mie_exp	.0103126	.0028229	3.65	0.001	.0046507	.0159745
tsd_mie_mis	-.0025279	.001012	-2.50	0.016	-.0045577	-.0004981
tsd_mie_psbl	.0042477	.00105	4.05	0.000	.0021418	.0063537
tsd_medicare	-.0146156	.00135	-10.83	0.000	-.0173233	-.0119078
tsd_medicare_miss	-.0162889	.0045285	-3.60	0.001	-.0253719	-.0072059
tsd_depend_1	-.0038979	.0013592	-2.87	0.006	-.0066241	-.0011717
tsd_depend_2	-.0007714	.001061	-0.73	0.470	-.0028995	.0013567
tsd_depend_miss	-.0155881	.0033167	-4.70	0.000	-.0222406	-.0089357
tsd_vrpr	-.0142887	.0036448	-3.92	0.000	-.0215992	-.0069782
tsd_vrpr_miss	-.0397955	.0032052	-12.42	0.000	-.0462243	-.0333667
pdcgrou2	-.0092211	.002245	-4.11	0.000	-.013724	-.0047183
pdcgrou3	-.0071279	.0019179	-3.72	0.000	-.0109746	-.0032811
pdcgrou4	-.0063549	.0017415	-3.65	0.001	-.0098478	-.002862
pdcgrou5	.0059955	.0082212	0.73	0.469	-.0104941	.0224851
cohort2000	-.0055288	.0015522	-3.56	0.001	-.008642	-.0024155
cohort2001	-.0062775	.0022114	-2.84	0.006	-.0107131	-.0018419
cohort2002	-.0069222	.0031328	-2.21	0.031	-.0132059	-.0006385
cohort2003	-.0089866	.0037934	-2.37	0.022	-.0165952	-.0013779
cohort2004	-.0123721	.0091797	-1.35	0.183	-.0307842	.0060399
award_b4_tsd	.0047332	.0054843	0.86	0.392	-.0062668	.0157333
diaward_tsd	-.0003755	.0000821	-4.58	0.000	-.0005401	-.0002109
epeb4twp_flag	.0467843	.0854746	0.55	0.586	-.1246561	.2182248
ldwb4twp_flag	.1059866	.0523983	2.02	0.048	.000889	.2110842
ldwb4epe_flag	.1366201	.0330062	4.14	0.000	.070418	.2028223
twpb4tsd	-.0138011	.006105	-2.26	0.028	-.0260461	-.0015561
epeb4tsd	-.0263291	.0022211	-11.85	0.000	-.0307841	-.0218742
ldwb4tsd	-.0161377	.0018303	-8.82	0.000	-.0198089	-.0124666
st_AL	-.0021469	.0028959	-0.74	0.462	-.0079554	.0036616
st_AR	-.0104982	.0024	-4.37	0.000	-.015312	-.0056844
st_AZ	.0063717	.0022987	2.77	0.008	.0017612	.0109823
st_CA	.0080771	.0027917	2.89	0.006	.0024777	.0136766
st_CO	-.0207303	.002256	-9.19	0.000	-.0252553	-.0162053
st_CT	.0093781	.0023741	3.95	0.000	.0046162	.01414
st_DC	.0030119	.0025178	1.20	0.237	-.0020382	.008062
st_DE	.0173155	.0022553	7.68	0.000	.0127918	.0218391
st_FL	-.0065669	.002306	-2.85	0.006	-.0111922	-.0019416
st_GA	-.0050206	.0024352	-2.06	0.044	-.0099049	-.0001363
st_HI	.0079035	.0026884	2.94	0.005	.0025113	.0132957
st_IA	.0211475	.0023924	8.84	0.000	.016349	.025946
st_ID	.0085304	.002974	2.87	0.006	.0025652	.0144955
st_IL	-.0079298	.0023241	-3.41	0.001	-.0125912	-.0032683
st_IN	-.0029644	.0023811	-1.24	0.219	-.0077402	.0018114
st_KS	.004576	.0023902	1.91	0.061	-.0002182	.0093702
st_KY	-.0136952	.0024034	-5.70	0.000	-.0185158	-.0088746
st_LA	-.0021286	.0024093	-0.88	0.381	-.006961	.0027038
st_MA	.0201837	.0024023	8.40	0.000	.0153652	.0250022
st_MD	.0051847	.0028466	1.82	0.074	-.0005248	.0108942
st_ME	.0072372	.0029814	2.43	0.019	.0012573	.0132171
st_MI	-.000808	.0023644	-0.34	0.734	-.0055505	.0039344
st_MN	.0070228	.002963	2.37	0.021	.0010797	.0129658
st_MO	.0005155	.0023697	0.22	0.829	-.0042374	.0052685
st_MS	-.0084858	.0024245	-3.50	0.001	-.0133488	-.0036227
st_MT	-.0040543	.0023468	-1.73	0.090	-.0087613	.0006527
st_NC	-.0021163	.0028996	-0.73	0.469	-.0079323	.0036996
st_ND	-.0108367	.0023312	-4.65	0.000	-.0155125	-.0061609

st_NE	.0025331	.0029507	0.86	0.394	-.0033852	.0084515
st_NH	.0075852	.0024148	3.14	0.003	.0027417	.0124286
st_NJ	.0011503	.0023708	0.49	0.630	-.003605	.0059056
st_NM	-.000204	.0023042	-0.09	0.930	-.0048256	.0044175
st_NV	.0027779	.0023345	1.19	0.239	-.0019046	.0074604
st_NY	.0019757	.0022697	0.87	0.388	-.0025767	.006528
st_OH	-.0001048	.0029547	-0.04	0.972	-.0060312	.0058217
st_OK	-.0239535	.0022572	-10.61	0.000	-.0284808	-.0194262
st_OR	.0067368	.0024073	2.80	0.007	.0019084	.0115652
st_PA	.0017999	.0029146	0.62	0.540	-.0040462	.0076459
st_PR	-.0154673	.0029366	-5.27	0.000	-.0213573	-.0095772
st_RI	.0147486	.002965	4.97	0.000	.0088016	.0206957
st_SC	-.0258245	.0023944	-10.79	0.000	-.0306272	-.0210219
st_SD	-.002022	.0023221	-0.87	0.388	-.0066795	.0026355
st_TN	-.0078265	.0024076	-3.25	0.002	-.0126556	-.0029974
st_TX	.0007882	.0028696	0.27	0.785	-.0049675	.0065439
st_UT	.0014494	.0029666	0.49	0.627	-.0045008	.0073996
st_VA	-.0004652	.0023905	-0.19	0.846	-.00526	.0043296
st_VT	.0031641	.0024273	1.30	0.198	-.0017044	.0080327
st_WA	.0093286	.0029072	3.21	0.002	.0034974	.0151598
st_WI	-.0028022	.0023936	-1.17	0.247	-.0076031	.0019988
st_WV	-.0015727	.0029938	-0.53	0.602	-.0075776	.0044322
st_WY	.009376	.0029728	3.15	0.003	.0034133	.0153387
pial	.0000165	3.72e-06	4.45	0.000	9.09e-06	.000024
pia_miss	.0131749	.0040825	3.23	0.002	.0049864	.0213634
ime1	-4.24e-06	1.05e-06	-4.04	0.000	-6.34e-06	-2.14e-06
ime_miss	-.0192176	.0018761	-10.24	0.000	-.0229806	-.0154547
phase2_st	-.0018624	.0032463	-0.57	0.569	-.0083736	.0046487
_cons	.1339157	.008147	16.44	0.000	.1175748	.1502565

(1) motoimm = 0

F(1, 53) = 0.44
 Prob > F = 0.5123

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_nounemp.x

> ls
 dir : seeout

Linear regression

Number of obs = 191818
 F(47, 53) = .
 Prob > F = .
 R-squared = 0.0321
 Root MSE = .23358

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0002303	.0001414	-1.63	0.109	-.0005139 .0000534
male	.0010709	.0011048	0.97	0.337	-.0011451 .0032868
gendermiss_flag	-.0790356	.0259551	-3.05	0.004	-.1310949 -.0269764
tsd_age	-.0023057	.0001922	-12.00	0.000	-.0026912 -.0019203
doage2	.0001622	.0001713	0.95	0.348	-.0001813 .0005057
doage2miss_flag	.0005985	.052381	0.01	0.991	-.1044645 .1056614
race_a	-.0023358	.0055196	-0.42	0.674	-.0134067 .0087351
race_b	.0128625	.0014376	8.95	0.000	.009979 .015746
race_h	.0001184	.0018913	0.06	0.950	-.0036751 .0039118
race_i	.0019731	.006955	0.28	0.778	-.0119768 .015923
race_o	.0136109	.0079662	1.71	0.093	-.0023673 .029589

race_mis	-.0047363	.0048686	-0.97	0.335	-.0145014	.0050287
tsd_edu_hs	.0045036	.0014916	3.02	0.004	.0015118	.0074955
tsd_edu_mrhs	.0195042	.0019542	9.98	0.000	.0155845	.0234239
tsd_edu_mis	.005242	.0017233	3.04	0.004	.0017855	.0086985
tsd_mie_exp	.0142732	.0034371	4.15	0.000	.0073793	.0211671
tsd_mie_mis	-.0044505	.0015653	-2.84	0.006	-.0075901	-.0013109
tsd_mie_psbl	.0061937	.001619	3.83	0.000	.0029463	.0094411
tsd_medicare	-.0216662	.0015377	-14.09	0.000	-.0247505	-.018582
tsd_medicare_miss	-.0269509	.0056456	-4.77	0.000	-.0382745	-.0156273
tsd_depend_1	-.0049134	.0016675	-2.95	0.005	-.0082581	-.0015688
tsd_depend_2	.0004383	.0014181	0.31	0.758	-.002406	.0032826
tsd_depend_miss	-.0267549	.0041925	-6.38	0.000	-.0351639	-.0183459
tsd_vrpr	-.0487167	.0057381	-8.49	0.000	-.0602259	-.0372075
tsd_vrpr_miss	-.0912512	.0060371	-15.12	0.000	-.1033601	-.0791424
pdcgrou2	-.0163708	.0030305	-5.40	0.000	-.0224492	-.0102925
pdcgrou3	-.0104794	.0027267	-3.84	0.000	-.0159485	-.0050103
pdcgrou4	-.0132169	.0026025	-5.08	0.000	-.018437	-.0079969
pdcgrou5	-.0004457	.0103983	-0.04	0.966	-.0213019	.0204106
cohort2000	-.0093929	.0023169	-4.05	0.000	-.01404	-.0047457
cohort2001	-.0126673	.0038747	-3.27	0.002	-.020439	-.0048955
cohort2002	-.0153944	.0054442	-2.83	0.007	-.0263141	-.0044748
cohort2003	-.0221583	.006736	-3.29	0.002	-.0356691	-.0086475
cohort2004	-.0090263	.0130669	-0.69	0.493	-.0352353	.0171826
award_b4_tsd	.0218551	.007019	3.11	0.003	.0077769	.0359334
diaward_tsd	-.0006525	.000159	-4.10	0.000	-.0009715	-.0003335
epeb4twp_flag	.1069666	.1119593	0.96	0.344	-.1175954	.3315286
ldwb4twp_flag	.2931505	.0816556	3.59	0.001	.1293701	.4569309
ldwb4epe_flag	.2214155	.0282211	7.85	0.000	.1648112	.2780199
twpb4tsd	-.037852	.0083121	-4.55	0.000	-.0545239	-.0211801
epeb4tsd	-.0456275	.0031099	-14.67	0.000	-.0518652	-.0393898
ldwb4tsd	-.0253676	.0022338	-11.36	0.000	-.029848	-.0208871
st_AL	-.0038467	.0047153	-0.82	0.418	-.0133045	.005611
st_AR	-.0046509	.0045597	-1.02	0.312	-.0137965	.0044948
st_AZ	-.0016155	.0043411	-0.37	0.711	-.0103226	.0070917
st_CA	.0154567	.004725	3.27	0.002	.0059795	.0249339
st_CO	-.0071963	.0042796	-1.68	0.099	-.0157801	.0013874
st_CT	.0197776	.0044488	4.45	0.000	.0108544	.0287007
st_DC	-.0025025	.0047149	-0.53	0.598	-.0119594	.0069544
st_DE	-.0084673	.0043315	-1.95	0.056	-.0171551	.0002205
st_FL	-.0010179	.0042662	-0.24	0.812	-.0095747	.0075389
st_GA	-.0015353	.0045196	-0.34	0.735	-.0106005	.0075299
st_HI	.0126706	.0051901	2.44	0.018	.0022606	.0230806
st_IA	.0200938	.0043506	4.62	0.000	.0113676	.0288199
st_ID	.0098964	.0048317	2.05	0.046	.0002053	.0195875
st_IL	-.0038985	.0043011	-0.91	0.369	-.0125255	.0047285
st_IN	.0030037	.004571	0.66	0.514	-.0061646	.012172
st_KS	.0187177	.0045117	4.15	0.000	.0096684	.027767
st_KY	-.0130288	.004562	-2.86	0.006	-.0221791	-.0038785
st_LA	.0041699	.0045359	0.92	0.362	-.004928	.0132677
st_MA	.0370155	.0043569	8.50	0.000	.0282767	.0457544
st_MD	.0042563	.0047062	0.90	0.370	-.0051831	.0136957
st_ME	.0173505	.0048305	3.59	0.001	.0076616	.0270393
st_MI	.0019188	.0045001	0.43	0.672	-.0071072	.0109448
st_MN	.0127748	.0048985	2.61	0.012	.0029496	.0226
st_MO	.0047346	.004526	1.05	0.300	-.0043434	.0138125
st_MS	-.0088549	.0045712	-1.94	0.058	-.0180237	.0003138
st_MT	-.0003833	.0045668	-0.08	0.933	-.0095432	.0087766
st_NC	-.004965	.0047479	-1.05	0.300	-.0144881	.004558
st_ND	-.0092705	.0046318	-2.00	0.050	-.0185607	.0000197
st_NE	.015265	.0047975	3.18	0.002	.0056424	.0248876
st_NH	.0347854	.0045555	7.64	0.000	.0256483	.0439225
st_NJ	.0070007	.0044999	1.56	0.126	-.002025	.0160265
st_NM	.0034206	.0045485	0.75	0.455	-.0057026	.0125438

st_NV	.0087026	.0045385	1.92	0.061	-.0004006	.0178058
st_NY	.0143967	.0042508	3.39	0.001	.0058706	.0229228
st_OH	-.0010487	.0047979	-0.22	0.828	-.0106722	.0085747
st_OK	.0047421	.004339	1.09	0.279	-.0039609	.013445
st_OR	.0228632	.0043974	5.20	0.000	.0140431	.0316833
st_PA	.0067714	.0047725	1.42	0.162	-.0028011	.0163439
st_PR	-.0258945	.0047628	-5.44	0.000	-.0354474	-.0163416
st_RI	.0228055	.0047377	4.81	0.000	.0133029	.0323081
st_SC	-.0357785	.0043669	-8.19	0.000	-.0445374	-.0270196
st_SD	-.0107892	.0045978	-2.35	0.023	-.0200112	-.0015671
st_TN	-.006031	.0045546	-1.32	0.191	-.0151663	.0031042
st_TX	.002473	.0047838	0.52	0.607	-.007122	.0120681
st_UT	.0022489	.0048594	0.46	0.645	-.0074978	.0119956
st_VA	.0085366	.004557	1.87	0.067	-.0006036	.0176767
st_VT	.0380836	.0044765	8.51	0.000	.0291048	.0470624
st_WA	.0133473	.004783	2.79	0.007	.0037537	.0229408
st_WI	-.0025931	.0043676	-0.59	0.555	-.0113534	.0061672
st_WV	.0012072	.0047584	0.25	0.801	-.008337	.0107514
st_WY	.0013786	.0048403	0.28	0.777	-.0083299	.0110871
pial	.0000333	5.30e-06	6.27	0.000	.0000226	.0000439
pia_miss	.0276935	.0049986	5.54	0.000	.0176677	.0377194
ime1	-9.63e-06	1.76e-06	-5.48	0.000	-.0000132	-6.11e-06
ime_miss	-.0361795	.0033489	-10.80	0.000	-.0428966	-.0294624
phase2_st	-.0098266	.0040164	-2.45	0.018	-.0178824	-.0017708
_cons	.2580815	.0124745	20.69	0.000	.2330608	.2831022

(1) motoimm = 0

F(1, 53) = 2.65
 Prob > F = 0.1094

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_nounemp.x
 > ls
 dir : seeout

Linear regression

Number of obs = 191818
 F(47, 53) = .
 Prob > F = .
 R-squared = 0.0422
 Root MSE = .26374

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0003772	.0001278	-2.95	0.005	-.0006336	-.0001208
male	.0007369	.0011071	0.67	0.509	-.0014836	.0029573
gendermiss_flag	-.1042693	.033556	-3.11	0.003	-.1715741	-.0369644
tsd_age	-.0030654	.0002606	-11.76	0.000	-.0035881	-.0025426
doage2	.0002109	.000213	0.99	0.327	-.0002164	.0006382
doage2miss_flag	-.0008395	.0746498	-0.01	0.991	-.150568	.1488889
race_a	-.0038971	.0057195	-0.68	0.499	-.0153689	.0075748
race_b	.0140562	.0016818	8.36	0.000	.0106828	.0174295
race_h	-.0007368	.0019682	-0.37	0.710	-.0046845	.0032109
race_i	.0042256	.0083066	0.51	0.613	-.0124354	.0208867
race_o	.0142494	.0083456	1.71	0.094	-.0024897	.0309885
race_mis	-.009217	.0049613	-1.86	0.069	-.0191681	.0007341
tsd_edu_hs	.0055504	.0019441	2.85	0.006	.0016509	.0094498
tsd_edu_mrhs	.0257876	.0021176	12.18	0.000	.0215401	.030035
tsd_edu_mis	.0057242	.0018345	3.12	0.003	.0020446	.0094038

tsd_mie_exp	.0198011	.0038563	5.13	0.000	.0120664	.0275359
tsd_mie_mis	-.0028671	.0019378	-1.48	0.145	-.0067539	.0010197
tsd_mie_psbl	.0093142	.0018429	5.05	0.000	.0056178	.0130106
tsd_medicare	-.0252179	.0017987	-14.02	0.000	-.0288255	-.0216102
tsd_medicare_miss	-.0371274	.0063702	-5.83	0.000	-.0499043	-.0243504
tsd_depend_1	-.0056933	.0017188	-3.31	0.002	-.0091407	-.0022459
tsd_depend_2	.0025565	.001598	1.60	0.116	-.0006486	.0057617
tsd_depend_miss	-.0344825	.004845	-7.12	0.000	-.0442004	-.0247646
tsd_vrpr	-.0719719	.0065928	-10.92	0.000	-.0851954	-.0587485
tsd_vrpr_miss	-.1252303	.0069744	-17.96	0.000	-.1392191	-.1112415
pdcgrou2	-.0224134	.0032429	-6.91	0.000	-.0289178	-.015909
pdcgrou3	-.0148168	.0030478	-4.86	0.000	-.0209298	-.0087037
pdcgrou4	-.0190213	.0028175	-6.75	0.000	-.0246725	-.0133701
pdcgrou5	-.0120676	.0127803	-0.94	0.349	-.0377016	.0135665
cohort2000	-.0084462	.0027123	-3.11	0.003	-.0138863	-.0030061
cohort2001	-.0087185	.0041429	-2.10	0.040	-.0170282	-.0004088
cohort2002	-.0103062	.005858	-1.76	0.084	-.0220559	.0014434
cohort2003	-.0162652	.0070996	-2.29	0.026	-.0305052	-.0020253
cohort2004	.0083221	.0113109	0.74	0.465	-.0143646	.0310088
award_b4_tsd	.0328345	.0064917	5.06	0.000	.0198138	.0458552
diaward_tsd	-.000481	.0001597	-3.01	0.004	-.0008012	-.0001607
epeb4twp_flag	.1199953	.1279041	0.94	0.352	-.1365479	.3765386
ldwb4twp_flag	.4693154	.0911131	5.15	0.000	.2865655	.6520652
ldwb4epe_flag	.2945575	.0323454	9.11	0.000	.2296808	.3594341
twpb4tsd	-.0590295	.0083536	-7.07	0.000	-.0757847	-.0422743
epeb4tsd	-.0578336	.0034655	-16.69	0.000	-.0647845	-.0508828
ldwb4tsd	-.0321375	.0023848	-13.48	0.000	-.0369207	-.0273542
st_AL	-.0200102	.0063512	-3.15	0.003	-.0327492	-.0072713
st_AR	-.0072557	.0061269	-1.18	0.242	-.0195447	.0050334
st_AZ	.0025894	.0057936	0.45	0.657	-.0090311	.0142099
st_CA	.0079445	.0063041	1.26	0.213	-.0047	.020589
st_CO	-.0166664	.0057407	-2.90	0.005	-.0281808	-.005152
st_CT	.0170659	.0060182	2.84	0.006	.004995	.0291368
st_DC	-.0081781	.0063395	-1.29	0.203	-.0208935	.0045372
st_DE	-.0162672	.0057806	-2.81	0.007	-.0278615	-.0046729
st_FL	-.0027186	.0057428	-0.47	0.638	-.0142372	.0088
st_GA	-.0091369	.0061386	-1.49	0.143	-.0214494	.0031757
st_HI	.0013863	.0064256	0.22	0.830	-.0115018	.0142743
st_IA	.0331454	.0057824	5.73	0.000	.0215474	.0447433
st_ID	-.0042619	.0064252	-0.66	0.510	-.0171493	.0086255
st_IL	-.0016704	.0057774	-0.29	0.774	-.0132584	.0099176
st_IN	-.0069522	.0061062	-1.14	0.260	-.0191998	.0052954
st_KS	.0248905	.0060574	4.11	0.000	.0127409	.0370402
st_KY	-.0166168	.0061032	-2.72	0.009	-.0288582	-.0043754
st_LA	.0024823	.0061274	0.41	0.687	-.0098077	.0147722
st_MA	.0330759	.0057967	5.71	0.000	.0214492	.0447026
st_MD	-.0091965	.0062924	-1.46	0.150	-.0218174	.0034245
st_ME	.0053984	.006422	0.84	0.404	-.0074825	.0182793
st_MI	-.0035973	.0060751	-0.59	0.556	-.0157824	.0085878
st_MN	-.000394	.0064509	-0.06	0.952	-.0133329	.0125449
st_MO	.0001598	.0060664	0.03	0.979	-.0120079	.0123276
st_MS	-.0160875	.0061411	-2.62	0.011	-.0284051	-.0037699
st_MT	-.0104066	.0060473	-1.72	0.091	-.0225359	.0017227
st_NC	-.0227262	.0063792	-3.56	0.001	-.0355214	-.0099311
st_ND	-.0024117	.0060978	-0.40	0.694	-.0146425	.009819
st_NE	.0008708	.006375	0.14	0.892	-.0119158	.0136575
st_NH	.0462139	.0060829	7.60	0.000	.0340131	.0584148
st_NJ	.0025565	.0060731	0.42	0.675	-.0096246	.0147375
st_NM	.0017993	.0060333	0.30	0.767	-.010302	.0139006
st_NV	.0060236	.0060811	0.99	0.326	-.0061734	.0182207
st_NY	.0230809	.0057193	4.04	0.000	.0116094	.0345523
st_OH	-.016208	.0063874	-2.54	0.014	-.0290195	-.0033965
st_OK	.0357098	.0057824	6.18	0.000	.0241119	.0473078

st_OR	.0336019	.0058108	5.78	0.000	.021947	.0452568
st_PA	-.0026141	.0063788	-0.41	0.684	-.0154085	.0101802
st_PR	-.0478992	.0064324	-7.45	0.000	-.060801	-.0349974
st_RI	.0109904	.0063371	1.73	0.089	-.0017202	.023701
st_SC	-.0568291	.0058204	-9.76	0.000	-.0685033	-.0451549
st_SD	-.0143449	.0060817	-2.36	0.022	-.0265431	-.0021466
st_TN	-.0136297	.0061161	-2.23	0.030	-.0258971	-.0013623
st_TX	-.0097648	.0064063	-1.52	0.133	-.0226143	.0030847
st_UT	-.0093123	.006424	-1.45	0.153	-.0221972	.0035725
st_VA	.004479	.0061347	0.73	0.469	-.0078258	.0167837
st_VT	.0085467	.0058603	1.46	0.151	-.0032076	.020301
st_WA	.0050643	.0063529	0.80	0.429	-.0076781	.0178067
st_WI	-.000068	.0057937	-0.01	0.991	-.0116888	.0115527
st_WV	-.0103413	.0063913	-1.62	0.112	-.0231606	.0024779
st_WY	.0038773	.0064296	0.60	0.549	-.0090188	.0167734
pial	.0000423	7.86e-06	5.38	0.000	.0000265	.000058
pia_miss	.0358504	.0057261	6.26	0.000	.0243654	.0473354
ime1	-.0000126	2.27e-06	-5.56	0.000	-.0000172	-8.08e-06
ime_miss	-.0462998	.0030911	-14.98	0.000	-.0524997	-.0400999
phase2_st	-.0139281	.0052558	-2.65	0.011	-.0244698	-.0033864
_cons	.340539	.0138192	24.64	0.000	.3128211	.3682568

(1) motoimm = 0

F(1, 53) = 8.71
 Prob > F = 0.0047

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_nounemp.x

> ls

dir : seeout

Linear regression

Number of obs = 191818
 F(47, 53) = .
 Prob > F = .
 R-squared = 0.0487
 Root MSE = .28019

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0002907	.0001457	-2.00	0.051	-.0005829	1.48e-06
male	.0002415	.0013436	0.18	0.858	-.0024534	.0029365
gendermiss_flag	-.1197974	.0392083	-3.06	0.004	-.1984392	-.0411556
tsd_age	-.0036021	.0002771	-13.00	0.000	-.0041579	-.0030463
doage2	.0001881	.0002336	0.80	0.424	-.0002805	.0006566
doage2miss_flag	.0004502	.0906622	0.00	0.996	-.1813951	.1822955
race_a	-.0065716	.0066949	-0.98	0.331	-.0199999	.0068567
race_b	.0159401	.0015421	10.34	0.000	.012847	.0190332
race_h	-.0003044	.0022913	-0.13	0.895	-.0049002	.0042913
race_i	.0005778	.0084901	0.07	0.946	-.0164511	.0176068
race_o	.0123949	.0086753	1.43	0.159	-.0050056	.0297954
race_mis	-.0131278	.0052716	-2.49	0.016	-.0237013	-.0025543
tsd_edu_hs	.0069475	.0020466	3.39	0.001	.0028425	.0110524
tsd_edu_mrhs	.0297408	.0022489	13.22	0.000	.0252301	.0342515
tsd_edu_mis	.0064834	.0020507	3.16	0.003	.0023703	.0105965
tsd_mie_exp	.020678	.0038494	5.37	0.000	.012957	.028399
tsd_mie_mis	-.0012239	.0020819	-0.59	0.559	-.0053998	.0029519
tsd_mie_psbl	.0116448	.002045	5.69	0.000	.007543	.0157466
tsd_medicare	-.0278026	.0018676	-14.89	0.000	-.0315485	-.0240567

tsd_medicare_miss	-.0409079	.006332	-6.46	0.000	-.0536083	-.0282074
tsd_depend_1	-.0053822	.0017946	-3.00	0.004	-.0089817	-.0017828
tsd_depend_2	.0038573	.0017939	2.15	0.036	.0002592	.0074553
tsd_depend_miss	-.0375543	.0055479	-6.77	0.000	-.0486821	-.0264265
tsd_vrpr	-.0871455	.0062773	-13.88	0.000	-.0997363	-.0745547
tsd_vrpr_miss	-.1448761	.0065493	-22.12	0.000	-.1580123	-.1317399
pdcgrou2	-.0277641	.0035631	-7.79	0.000	-.0349108	-.0206174
pdcgrou3	-.0162251	.0034567	-4.69	0.000	-.0231584	-.0092918
pdcgrou4	-.0223745	.0030698	-7.29	0.000	-.0285318	-.0162173
pdcgrou5	-.0230777	.0125565	-1.84	0.072	-.0482628	.0021075
cohort2000	-.0090588	.0028711	-3.16	0.003	-.0148174	-.0033002
cohort2001	-.0095733	.0042943	-2.23	0.030	-.0181867	-.00096
cohort2002	-.0114575	.0057068	-2.01	0.050	-.0229038	-.0000112
cohort2003	-.017718	.0070986	-2.50	0.016	-.0319561	-.0034799
cohort2004	.0113547	.0137536	0.83	0.413	-.0162315	.0389409
award_b4_tsd	.0346636	.0075138	4.61	0.000	.0195928	.0497344
diaward_tsd	-.000446	.0001581	-2.82	0.007	-.0007631	-.0001289
epeb4twp_flag	.2233741	.1116566	2.00	0.051	-.0005807	.4473288
ldwb4twp_flag	.6838725	.0674231	10.14	0.000	.5486388	.8191062
ldwb4epe_flag	.3192182	.0329353	9.69	0.000	.2531583	.3852781
twpb4tsd	-.0723145	.0081901	-8.83	0.000	-.0887418	-.0558873
epeb4tsd	-.0653036	.0039127	-16.69	0.000	-.0731515	-.0574557
ldwb4tsd	-.0367511	.0025774	-14.26	0.000	-.0419208	-.0315814
st_AL	-.0315957	.0122514	-2.58	0.013	-.056169	-.0070224
st_AR	-.008679	.0121602	-0.71	0.479	-.0330692	.0157113
st_AZ	.0217997	.0119512	1.82	0.074	-.0021713	.0457707
st_CA	.0023705	.0121805	0.19	0.846	-.0220605	.0268014
st_CO	-.001826	.0118757	-0.15	0.878	-.0256457	.0219937
st_CT	.0185907	.0120809	1.54	0.130	-.0056406	.0428219
st_DC	-.0077249	.0123129	-0.63	0.533	-.0324214	.0169717
st_DE	-.0222383	.0119318	-1.86	0.068	-.0461706	.0016939
st_FL	.009185	.0118974	0.77	0.444	-.0146782	.0330481
st_GA	-.014445	.0121397	-1.19	0.239	-.0387942	.0099042
st_HI	-.0010273	.0121576	-0.08	0.933	-.0254123	.0233577
st_IA	.0447204	.0119042	3.76	0.000	.0208437	.0685972
st_ID	-.0141621	.0122474	-1.16	0.253	-.0387273	.0104031
st_IL	.018684	.0118992	1.57	0.122	-.0051828	.0425507
st_IN	-.0034687	.0121589	-0.29	0.777	-.0278565	.020919
st_KS	.024857	.0121198	2.05	0.045	.0005477	.0491663
st_KY	-.0179711	.0121451	-1.48	0.145	-.042331	.0063888
st_LA	.0029819	.0121458	0.25	0.807	-.0213795	.0273433
st_MA	.0629617	.0119399	5.27	0.000	.0390132	.0869102
st_MD	-.021921	.0122196	-1.79	0.079	-.0464305	.0025885
st_ME	.0002908	.0122761	0.02	0.981	-.0243319	.0249135
st_MI	-.0067729	.0121162	-0.56	0.579	-.0310749	.0175291
st_MN	-.0072427	.0123011	-0.59	0.559	-.0319155	.0174301
st_MO	.002541	.0121294	0.21	0.835	-.0217875	.0268694
st_MS	-.0194025	.0121739	-1.59	0.117	-.0438202	.0050152
st_MT	-.0080388	.0121332	-0.66	0.510	-.0323749	.0162972
st_NC	-.032825	.0122674	-2.68	0.010	-.0574303	-.0082196
st_ND	-.0095479	.0121684	-0.78	0.436	-.0339546	.0148588
st_NE	-.0027272	.0122431	-0.22	0.825	-.0272838	.0218293
st_NH	.051215	.0121505	4.22	0.000	.0268442	.0755858
st_NJ	.0003285	.0121337	0.03	0.979	-.0240086	.0246656
st_NM	.0017161	.0121402	0.14	0.888	-.022634	.0260662
st_NV	.0101755	.0121503	0.84	0.406	-.0141949	.0345458
st_NY	.0289281	.0118763	2.44	0.018	.0051073	.0527489
st_OH	-.0252187	.0122676	-2.06	0.045	-.0498244	-.0006131
st_OK	.0567518	.0119122	4.76	0.000	.0328591	.0806446
st_OR	.0573889	.0119361	4.81	0.000	.0334482	.0813296
st_PA	-.0079062	.0122605	-0.64	0.522	-.0324977	.0166852
st_PR	-.061326	.0122236	-5.02	0.000	-.0858434	-.0368086
st_RI	.0081148	.012173	0.67	0.508	-.0163012	.0325307

st_SC	-.0634961	.0119842	-5.30	0.000	-.0875334	-.0394589
st_SD	-.0120447	.0121499	-0.99	0.326	-.0364143	.0123249
st_TN	-.0189351	.0121583	-1.56	0.125	-.0433216	.0054514
st_TX	-.0179174	.0122833	-1.46	0.151	-.0425546	.0067197
st_UT	-.0140826	.0122645	-1.15	0.256	-.0386822	.0105169
st_VA	.0040907	.0121649	0.34	0.738	-.0203089	.0284904
st_VT	-.0078811	.0119858	-0.66	0.514	-.0319214	.0161593
st_WA	.0020943	.0122281	0.17	0.865	-.0224322	.0266207
st_WI	.0094398	.0119122	0.79	0.432	-.014453	.0333327
st_WV	-.0218546	.0122407	-1.79	0.080	-.0464065	.0026972
st_WY	-.0135533	.0122443	-1.11	0.273	-.0381123	.0110057
pial	.0000449	7.10e-06	6.33	0.000	.0000307	.0000592
pia_miss	.0361184	.0063383	5.70	0.000	.0234055	.0488313
ime1	-.0000141	2.17e-06	-6.48	0.000	-.0000184	-9.70e-06
ime_miss	-.0515665	.0034705	-14.86	0.000	-.0585275	-.0446055
phase2_st	-.0184113	.0058325	-3.16	0.003	-.0301098	-.0067127
_cons	.3990622	.0175887	22.69	0.000	.3637838	.4343407

(1) motoimm = 0

F(1, 53) = 3.98
 Prob > F = 0.0511

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_nounemp.x

> ls

dir : seeout

Linear regression

Number of obs = 191818
 F(47, 53) = .
 Prob > F = .
 R-squared = 0.2909
 Root MSE = .13388

(Std. Err. adjusted for 54 clusters in tsd_state)

srvroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0006799	.0000983	-6.92	0.000	-.000877	-.0004828
male	.0002639	.0006867	0.38	0.702	-.0011135	.0016413
gendermiss_flag	.2489945	.1234086	2.02	0.049	.0014683	.4965208
tsd_age	-.0002313	.000101	-2.29	0.026	-.0004339	-.0000287
doage2	-.000025	.0000656	-0.38	0.705	-.0001566	.0001066
doage2miss_flag	-.0099439	.005006	-1.99	0.052	-.0199847	.0000969
race_a	.0015593	.0018001	0.87	0.390	-.0020512	.0051698
race_b	.0015356	.0007567	2.03	0.047	.0000179	.0030533
race_h	-.0010604	.0013031	-0.81	0.419	-.0036741	.0015533
race_i	-.0034093	.0038182	-0.89	0.376	-.0110676	.0042489
race_o	-.0000328	.0027356	-0.01	0.990	-.0055198	.0054542
race_mis	-.0001126	.00232	-0.05	0.961	-.004766	.0045408
tsd_edu_hs	.0016566	.0008199	2.02	0.048	.000012	.0033011
tsd_edu_mrhs	.0059358	.0012074	4.92	0.000	.003514	.0083576
tsd_edu_mis	.0027991	.0008107	3.45	0.001	.001173	.0044252
tsd_mie_exp	.0012015	.0019804	0.61	0.547	-.0027706	.0051736
tsd_mie_mis	.0004365	.0012492	0.35	0.728	-.0020691	.0029422
tsd_mie_psbl	.0012127	.0008667	1.40	0.168	-.0005256	.002951
tsd_medicare	-.00175	.0009087	-1.93	0.060	-.0035727	.0000727
tsd_medicare_miss	-.0073505	.0023733	-3.10	0.003	-.0121106	-.0025903
tsd_depend_1	-.0018293	.0009042	-2.02	0.048	-.0036429	-.0000158
tsd_depend_2	-.0020084	.0007082	-2.84	0.006	-.003429	-.0005878
tsd_depend_miss	-.0014208	.0028337	-0.50	0.618	-.0071046	.0042629

tsd_vrpr	-.4198902	.0142788	-29.41	0.000	-.4485299	-.3912506
tsd_vrpr_miss	-.4424743	.013342	-33.16	0.000	-.469235	-.4157137
pdcgrou2	-.002381	.001385	-1.72	0.091	-.0051589	.0003969
pdcgrou3	-.0008204	.0013049	-0.63	0.532	-.0034377	.0017968
pdcgrou4	.000287	.0011253	0.26	0.800	-.0019701	.0025442
pdcgrou5	-.0038523	.0074088	-0.52	0.605	-.0187124	.0110079
cohort2000	-.001229	.0012826	-0.96	0.342	-.0038016	.0013436
cohort2001	-.0005673	.0017959	-0.32	0.753	-.0041695	.0030349
cohort2002	-.0024043	.0031373	-0.77	0.447	-.0086969	.0038883
cohort2003	-.001733	.0036375	-0.48	0.636	-.0090289	.0055629
cohort2004	-.0213105	.0053643	-3.97	0.000	-.0320699	-.0150511
award_b4_tsd	.0010439	.0025593	0.41	0.685	-.0040894	.0061771
diaward_tsd	-.0001044	.0000885	-1.18	0.243	-.0002819	.0000073
epeb4twp_flag	-.0815169	.0337048	-2.42	0.019	-.1491203	-.0139136
ldwb4twp_flag	.0437468	.0261623	1.67	0.100	-.0087282	.0962218
ldwb4epe_flag	.0052783	.0128134	0.41	0.682	-.0204221	.0309787
twpb4tsd	.0033898	.0014835	2.28	0.026	.0004142	.0063654
epeb4tsd	.0031737	.0018699	1.70	0.096	-.0005767	.0069242
ldwb4tsd	-.0053237	.0024842	-2.14	0.037	-.0103063	-.000341
st_AL	.0144505	.0014717	9.82	0.000	.0114987	.0174023
st_AR	.0103075	.0010775	9.57	0.000	.0081463	.0124687
st_AZ	.0160709	.0010731	14.98	0.000	.0139186	.0182232
st_CA	.0106666	.001407	7.58	0.000	.0078445	.0134887
st_CO	.0182294	.0009958	18.31	0.000	.016232	.0202267
st_CT	.0129603	.0010357	12.51	0.000	.0108831	.0150376
st_DC	-.0059481	.0012283	-4.84	0.000	-.0084116	-.0034845
st_DE	.005756	.0010763	5.35	0.000	.0035972	.0079149
st_FL	.0010413	.0010794	0.96	0.339	-.0011237	.0032064
st_GA	.0101454	.0010955	9.26	0.000	.0079481	.0123427
st_HI	.0037737	.0014454	2.61	0.012	.0008745	.0066729
st_IA	.007918	.0010209	7.76	0.000	.0058702	.0099657
st_ID	.0180077	.0015187	11.86	0.000	.0149616	.0210539
st_IL	.0065783	.0011282	5.83	0.000	.0043155	.0088412
st_IN	.007115	.0010988	6.48	0.000	.0049111	.009319
st_KS	.0030544	.0010799	2.83	0.007	.0008884	.0052203
st_KY	.0022328	.0011201	1.99	0.051	-.0000137	.0044794
st_LA	.013369	.0011117	12.03	0.000	.0111392	.0155989
st_MA	.0069353	.0011532	6.01	0.000	.0046223	.0092484
st_MD	.0096463	.0016152	5.97	0.000	.0064066	.0128859
st_ME	.0195838	.0015392	12.72	0.000	.0164966	.022671
st_MI	.0107728	.0010681	10.09	0.000	.0086305	.0129151
st_MN	.0109249	.0015901	6.87	0.000	.0077356	.0141141
st_MO	.0098674	.0010481	9.41	0.000	.0077653	.0119696
st_MS	.0068239	.001165	5.86	0.000	.0044871	.0091607
st_MT	.0019982	.0009912	2.02	0.049	.00001	.0039864
st_NC	.0060901	.0014487	4.20	0.000	.0031844	.0089957
st_ND	.0082157	.0010667	7.70	0.000	.0060763	.0103551
st_NE	.0175301	.0016249	10.79	0.000	.014271	.0207892
st_NH	.0055351	.0010612	5.22	0.000	.0034066	.0076637
st_NJ	.0043234	.0010473	4.13	0.000	.0022228	.006424
st_NM	.0042557	.0011114	3.83	0.000	.0020266	.0064848
st_NV	.0080884	.0010573	7.65	0.000	.0059676	.0102091
st_NY	.0157988	.0010488	15.06	0.000	.0136952	.0179025
st_OH	.0181477	.0015638	11.60	0.000	.0150111	.0212844
st_OK	.0228572	.0009614	23.78	0.000	.0209289	.0247855
st_OR	.0183574	.0010714	17.13	0.000	.0162084	.0205064
st_PA	.013455	.0015176	8.87	0.000	.0104111	.016499
st_PR	.0059989	.0015179	3.95	0.000	.0029544	.0090434
st_RI	.0082257	.001391	5.91	0.000	.0054356	.0110157
st_SC	-.0071632	.0011826	-6.06	0.000	-.0095353	-.0047912
st_SD	.0193179	.0010122	19.09	0.000	.0172878	.0213481
st_TN	.0145236	.0011032	13.16	0.000	.0123108	.0167364
st_TX	.0103915	.0014905	6.97	0.000	.0074021	.013381

st_UT	.0192221	.0015098	12.73	0.000	.0161939	.0222503
st_VA	.0104521	.0010676	9.79	0.000	.0083108	.0125934
st_VT	.0017707	.0010559	1.68	0.099	-.0003471	.0038885
st_WA	.0154686	.001499	10.32	0.000	.0124619	.0184753
st_WI	.010639	.0010684	9.96	0.000	.0084961	.012782
st_WV	.0114762	.0015045	7.63	0.000	.0084586	.0144939
st_WY	.0145263	.0015663	9.27	0.000	.0113847	.0176679
pial	7.09e-06	3.29e-06	2.15	0.036	4.87e-07	.0000137
pia_miss	.0023781	.0035119	0.68	0.501	-.0046659	.0094221
ime1	-1.49e-06	1.00e-06	-1.48	0.145	-3.50e-06	5.27e-07
ime_miss	-.0035424	.0012191	-2.91	0.005	-.0059875	-.0010972
phase2_st	-.00348	.0020377	-1.71	0.094	-.0075671	.0006072
_cons	.4507859	.0149537	30.15	0.000	.4207927	.4807792

(1) motoimm = 0

F(1, 53) = 47.87
 Prob > F = 0.0000

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_nounemp.x

> ls
 dir : seeout

Linear regression

Number of obs = 191818
 F(47, 53) = .
 Prob > F = .
 R-squared = 0.4499
 Root MSE = .14911

(Std. Err. adjusted for 54 clusters in tsd_state)

srvroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0003397	.0000965	-3.52	0.001	-.0005333	-.0001461
male	.0010601	.0008159	1.30	0.199	-.0005763	.0026965
gendermiss_flag	.2012511	.1162717	1.73	0.089	-.0319603	.4344626
tsd_age	-.0006485	.0001125	-5.77	0.000	-.0008741	-.0004229
doage2	.000036	.0000725	0.50	0.621	-.0001094	.0001815
doage2miss_flag	-.0190025	.0099177	-1.92	0.061	-.0388948	.0008899
race_a	-.0011512	.0019475	-0.59	0.557	-.0050574	.002755
race_b	.0017487	.0009545	1.83	0.073	-.0001657	.0036632
race_h	-.0000312	.0015639	-0.02	0.984	-.003168	.0031055
race_i	-.0052385	.0043914	-1.19	0.238	-.0140464	.0035695
race_o	.0017931	.0031015	0.58	0.566	-.0044278	.008014
race_mis	-.0015903	.0027443	-0.58	0.565	-.0070946	.0039139
tsd_edu_hs	.004307	.0008375	5.14	0.000	.0026272	.0059867
tsd_edu_mrhs	.0109582	.001393	7.87	0.000	.0081642	.0137523
tsd_edu_mis	.0056406	.0010328	5.46	0.000	.003569	.0077122
tsd_mie_exp	-.0034091	.0020073	-1.70	0.095	-.0074352	.000617
tsd_mie_mis	-.002858	.0018321	-1.56	0.125	-.0065327	.0008167
tsd_mie_psbl	-.0024153	.0014217	-1.70	0.095	-.0052669	.0004364
tsd_medicare	-.0022919	.0009617	-2.38	0.021	-.0042207	-.000363
tsd_medicare_miss	-.0068097	.0032462	-2.10	0.041	-.0133208	-.0002986
tsd_depend_1	-.0027952	.0007673	-3.64	0.001	-.0043343	-.0012562
tsd_depend_2	-.0019611	.0007148	-2.74	0.008	-.0033948	-.0005273
tsd_depend_miss	-.003123	.0039347	-0.79	0.431	-.011015	.0047689
tsd_vrpr	-.6601023	.0147852	-44.65	0.000	-.6897576	-.630447
tsd_vrpr_miss	-.6956823	.0130905	-53.14	0.000	-.7219386	-.669426
pdcgrou2	-.0031577	.0015109	-2.09	0.041	-.0061882	-.0001273
pdcgrou3	-.0035795	.0014989	-2.39	0.021	-.0065859	-.000573

pdcgrou4	-.0007308	.0012319	-0.59	0.556	-.0032016	.00174
pdcgrou5	-.0042685	.0049001	-0.87	0.388	-.0140968	.0055598
cohort2000	-.0019347	.0014279	-1.35	0.181	-.0047988	.0009294
cohort2001	-.0032431	.0023948	-1.35	0.181	-.0080466	.0015603
cohort2002	-.0058082	.0037837	-1.54	0.131	-.0133973	.0017809
cohort2003	-.0054599	.0047685	-1.15	0.257	-.0150242	.0041044
cohort2004	-.0294733	.0075678	-3.89	0.000	-.0446524	-.0142943
award_b4_tsd	-.0011962	.0034158	-0.35	0.728	-.0080474	.005655
diaward_tsd	-.0002333	.0001118	-2.09	0.042	-.0004576	-9.02e-06
epeb4twp_flag	-.128413	.053409	-2.40	0.020	-.2355379	-.0212881
ldwb4twp_flag	.0632266	.0442777	1.43	0.159	-.0255833	.1520365
ldwb4epe_flag	.0128625	.0154097	0.83	0.408	-.0180454	.0437705
twpb4tsd	.0035131	.0019683	1.78	0.080	-.0004348	.007461
epeb4tsd	.0023884	.0019412	1.23	0.224	-.0015052	.006282
ldwb4tsd	-.0090284	.0030434	-2.97	0.005	-.0151327	-.002924
st_AL	.0096865	.0029018	3.34	0.002	.0038663	.0155066
st_AR	.0039021	.0026296	1.48	0.144	-.0013722	.0091763
st_AZ	.0212035	.0025543	8.30	0.000	.0160802	.0263267
st_CA	.0055167	.0029694	1.86	0.069	-.0004392	.0114726
st_CO	.0200753	.002548	7.88	0.000	.0149646	.0251859
st_CT	.0088789	.0025542	3.48	0.001	.0037558	.014002
st_DC	-.0124327	.0027096	-4.59	0.000	-.0178674	-.006998
st_DE	.0106841	.0025447	4.20	0.000	.0055801	.0157881
st_FL	.0084775	.0025371	3.34	0.002	.0033887	.0135663
st_GA	.0064319	.0025901	2.48	0.016	.0012368	.011627
st_HI	-.0105225	.0030495	-3.45	0.001	-.0166391	-.0044059
st_IA	.0044203	.0025442	1.74	0.088	-.0006827	.0095232
st_ID	.0100476	.0029293	3.43	0.001	.0041721	.0159231
st_IL	.0091986	.0026117	3.52	0.001	.0039601	.014437
st_IN	.0016267	.0026172	0.62	0.537	-.0036227	.0068762
st_KS	.0049951	.0026132	1.91	0.061	-.0002463	.0102365
st_KY	-.0021998	.0026337	-0.84	0.407	-.0074823	.0030827
st_LA	.0112279	.0026248	4.28	0.000	.0059634	.0164925
st_MA	.0002501	.0025661	0.10	0.923	-.0048969	.0053971
st_MD	.003989	.0029752	1.34	0.186	-.0019785	.0099566
st_ME	.0101785	.0029549	3.44	0.001	.0042518	.0161052
st_MI	.0077661	.0025895	3.00	0.004	.0025721	.01296
st_MN	.0049942	.0030033	1.66	0.102	-.0010296	.0110181
st_MO	.0053151	.0025933	2.05	0.045	.0001136	.0105166
st_MS	.0031428	.002631	1.19	0.238	-.0021344	.00842
st_MT	.0030304	.0026198	1.16	0.253	-.0022242	.008285
st_NC	-.0055963	.0028886	-1.94	0.058	-.0113901	.0001975
st_ND	-.01094	.0027021	-4.05	0.000	-.0163598	-.0055203
st_NE	.0092569	.0029838	3.10	0.003	.003272	.0152417
st_NH	-.0007656	.0026122	-0.29	0.771	-.006005	.0044738
st_NJ	-.0009055	.0025682	-0.35	0.726	-.0060565	.0042456
st_NM	-.0061346	.0026523	-2.31	0.025	-.0114545	-.0008146
st_NV	.0011683	.0025857	0.45	0.653	-.0040179	.0063546
st_NY	.0166485	.002543	6.55	0.000	.011548	.021749
st_OH	.00834	.0029182	2.86	0.006	.0024867	.0141932
st_OK	.035393	.002529	13.99	0.000	.0303204	.0404656
st_OR	.01088	.0025789	4.22	0.000	.0057075	.0160525
st_PA	.0039015	.0029612	1.32	0.193	-.0020379	.009841
st_PR	-.0058232	.0029429	-1.98	0.053	-.011726	.0000795
st_RI	-.0058708	.0029286	-2.00	0.050	-.0117449	3.22e-06
st_SC	-.0077389	.002572	-3.01	0.004	-.0128975	-.0025802
st_SD	.03628	.0026415	13.73	0.000	.0309819	.0415781
st_TN	.0147184	.0026222	5.61	0.000	.0094589	.0199779
st_TX	-.0007133	.0029515	-0.24	0.810	-.0066333	.0052067
st_UT	.0172622	.0029563	5.84	0.000	.0113327	.0231917
st_VA	.0078725	.0026057	3.02	0.004	.0026462	.0130988
st_VT	-.0209181	.0025616	-8.17	0.000	-.026056	-.0157803
st_WA	.0068196	.0029295	2.33	0.024	.0009438	.0126955

st_WI	.0179452	.0025476	7.04	0.000	.0128354	.023055
st_WV	.0012595	.002941	0.43	0.670	-.0046393	.0071583
st_WY	-.0020401	.002936	-0.69	0.490	-.0079289	.0038487
pia1	4.94e-06	4.88e-06	1.01	0.316	-4.84e-06	.0000147
pia_miss	-.0011326	.0057907	-0.20	0.846	-.0127473	.010482
ime1	-1.10e-06	1.26e-06	-0.87	0.386	-3.63e-06	1.43e-06
ime_miss	-.0022776	.0019318	-1.18	0.244	-.0061523	.0015971
phase2_st	-.0097668	.0028388	-3.44	0.001	-.0154607	-.0040729
_cons	.734841	.0140553	52.28	0.000	.7066496	.7630323

(1) motoimm = 0

F(1, 53) = 12.38
 Prob > F = 0.0009

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_nounemp.x
 > ls
 dir : seeout

Linear regression

Number of obs = 191818
 F(47, 53) = .
 Prob > F = .
 R-squared = 0.5559
 Root MSE = .15063

(Std. Err. adjusted for 54 clusters in tsd_state)

srvroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0001441	.0000998	-1.44	0.155	-.0003443 .0000561
male	.0009237	.0007591	1.22	0.229	-.0005989 .0024463
gendermiss_flag	.1674246	.1204405	1.39	0.170	-.0741484 .4089977
tsd_age	-.000716	.0001103	-6.49	0.000	-.0009373 -.0004947
doage2	-3.70e-07	.0000631	-0.01	0.995	-.000127 .0001262
doage2miss_flag	-.0264951	.0113766	-2.33	0.024	-.0493137 -.0036765
race_a	-.0019395	.0023159	-0.84	0.406	-.0065846 .0027055
race_b	.0025529	.0010386	2.46	0.017	.0004697 .0046361
race_h	-.0005439	.0017406	-0.31	0.756	-.0040351 .0029474
race_i	-.0042829	.0037052	-1.16	0.253	-.0117145 .0031488
race_o	.0002857	.0030371	0.09	0.925	-.005806 .0063774
race_mis	-.0026432	.0032804	-0.81	0.424	-.0092228 .0039364
tsd_edu_hs	.006367	.0009787	6.51	0.000	.004404 .0083299
tsd_edu_mrhs	.0138912	.001647	8.43	0.000	.0105876 .0171947
tsd_edu_mis	.0070628	.0011525	6.13	0.000	.0047511 .0093745
tsd_mie_exp	-.0046083	.0023741	-1.94	0.058	-.0093702 .0001535
tsd_mie_mis	-.00333	.0015448	-2.16	0.036	-.0064286 -.0002315
tsd_mie_psbl	-.0036359	.001191	-3.05	0.004	-.0060247 -.0012472
tsd_medicare	-.0024208	.0011002	-2.20	0.032	-.0046275 -.0002142
tsd_medicare_miss	-.0057585	.0033579	-1.71	0.092	-.0124935 .0009765
tsd_depend_1	-.0031999	.0008178	-3.91	0.000	-.0048401 -.0015597
tsd_depend_2	-.0026319	.0008581	-3.07	0.003	-.0043531 -.0009107
tsd_depend_miss	-.0100327	.004068	-2.47	0.017	-.018192 -.0018735
tsd_vrpr	-.8239124	.0130181	-63.29	0.000	-.8500235 -.7978013
tsd_vrpr_miss	-.8689683	.0103472	-83.98	0.000	-.8897222 -.8482145
pdcgrou2	-.0039174	.0014043	-2.79	0.007	-.0067341 -.0011007
pdcgrou3	-.0026623	.0013914	-1.91	0.061	-.0054531 .0001284
pdcgrou4	.0005185	.0012133	0.43	0.671	-.001915 .002952
pdcgrou5	-.018442	.0048081	-3.84	0.000	-.0280858 -.0087983
cohort2000	-.0019477	.0012163	-1.60	0.115	-.0043873 .0004919
cohort2001	-.0024861	.002136	-1.16	0.250	-.0067705 .0017982

cohort2002	-.0048457	.0032604	-1.49	0.143	-.0113852	.0016939
cohort2003	-.0051622	.0044784	-1.15	0.254	-.0141448	.0038204
cohort2004	-.0264118	.0067018	-3.94	0.000	-.039854	-.0129696
award_b4_tsd	.0019413	.0041956	0.46	0.645	-.0064739	.0103565
diaward_tsd	-.0002899	.0001026	-2.82	0.007	-.0004957	-.000084
epeb4twp_flag	-.1721914	.0638415	-2.70	0.009	-.3002413	-.0441416
ldwb4twp_flag	.0890972	.0466185	1.91	0.061	-.0044077	.1826021
ldwb4epe_flag	.0307436	.0137925	2.23	0.030	.0030793	.0584079
twpb4tsd	.0038183	.0017692	2.16	0.035	.0002697	.0073669
epeb4tsd	.0086877	.0019794	4.39	0.000	.0047175	.0126579
ldwb4tsd	-.0149833	.0027824	-5.38	0.000	-.0205642	-.0094024
st_AL	.0063402	.0038664	1.64	0.107	-.0014148	.0140953
st_AR	.0051595	.0036378	1.42	0.162	-.0021371	.0124561
st_AZ	.0258533	.0035368	7.31	0.000	.0187594	.0329472
st_CA	.0039285	.0038382	1.02	0.311	-.0037699	.0116269
st_CO	.0230461	.0035313	6.53	0.000	.0159633	.0301289
st_CT	.012929	.0035904	3.60	0.001	.0057276	.0201304
st_DC	-.0115468	.0036863	-3.13	0.003	-.0189406	-.004153
st_DE	.0058376	.0035612	1.64	0.107	-.0013053	.0129806
st_FL	.014401	.0035491	4.06	0.000	.0072824	.0215196
st_GA	.0083116	.0036332	2.29	0.026	.0010244	.0155988
st_HI	-.0146248	.0040432	-3.62	0.001	-.0227343	-.0065152
st_IA	.0215059	.0035839	6.00	0.000	.0143175	.0286943
st_ID	.0057303	.0038574	1.49	0.143	-.0020067	.0134674
st_IL	.0192114	.0036294	5.29	0.000	.0119317	.0264911
st_IN	.0028373	.0036224	0.78	0.437	-.0044283	.010103
st_KS	.0081397	.0036083	2.26	0.028	.0009024	.0153771
st_KY	-.0005046	.0036416	-0.14	0.890	-.0078088	.0067995
st_LA	.0139146	.0036605	3.80	0.000	.0065725	.0212567
st_MA	.0146398	.003579	4.09	0.000	.0074612	.0218184
st_MD	.0023192	.0038703	0.60	0.552	-.0054435	.010082
st_ME	.0030652	.0038991	0.79	0.435	-.0047553	.0108858
st_MI	.01177	.0036126	3.26	0.002	.004524	.0190161
st_MN	.0053791	.0039298	1.37	0.177	-.0025032	.0132613
st_MO	.014432	.0035962	4.01	0.000	.0072189	.021645
st_MS	.004895	.0036851	1.33	0.190	-.0024963	.0122863
st_MT	.0059955	.0035986	1.67	0.102	-.0012223	.0132133
st_NC	-.0139599	.0038087	-3.67	0.001	-.0215992	-.0063207
st_ND	-.0095528	.0036935	-2.59	0.012	-.0169609	-.0021446
st_NE	.0098847	.0039177	2.52	0.015	.0020268	.0177426
st_NH	-.0057042	.0036312	-1.57	0.122	-.0129875	.0015791
st_NJ	-.0033935	.0036111	-0.94	0.352	-.0106365	.0038494
st_NM	-.008798	.0035687	-2.47	0.017	-.0159558	-.0016402
st_NV	-.0011382	.0036139	-0.31	0.754	-.0083868	.0061105
st_NY	.0205206	.0035538	5.77	0.000	.0133926	.0276485
st_OH	.0052023	.0038477	1.35	0.182	-.0025152	.0129198
st_OK	.0405171	.0035462	11.43	0.000	.0334044	.0476298
st_OR	.0081938	.003589	2.28	0.026	.0009952	.0153925
st_PA	-.0013857	.0038938	-0.36	0.723	-.0091957	.0064243
st_PR	-.0096432	.003786	-2.55	0.014	-.0172369	-.0020495
st_RI	-.0136078	.0038075	-3.57	0.001	-.0212446	-.0059709
st_SC	.0004336	.0035986	0.12	0.905	-.0067843	.0076515
st_SD	.0582097	.0036099	16.13	0.000	.0509692	.0654503
st_TN	.0199443	.0036388	5.48	0.000	.0126458	.0272428
st_TX	-.0053225	.0038533	-1.38	0.173	-.0130513	.0024064
st_UT	.0182968	.0039212	4.67	0.000	.0104319	.0261617
st_VA	.008011	.003636	2.20	0.032	.000718	.0153039
st_VT	-.0139055	.0035835	-3.88	0.000	-.0210931	-.0067179
st_WA	-.0017935	.0038664	-0.46	0.645	-.0095485	.0059614
st_WI	.0285312	.0035545	8.03	0.000	.0214019	.0356606
st_WV	-.008142	.0039103	-2.08	0.042	-.0159851	-.0002989
st_WY	-.011758	.0038906	-3.02	0.004	-.0195615	-.0039545
pial	-4.10e-06	5.16e-06	-0.80	0.430	-.0000145	6.25e-06

pia_miss	.0010928	.0060518	0.18	0.857	-.0110456	.0132312
ime1	8.55e-07	1.33e-06	0.64	0.524	-1.82e-06	3.53e-06
ime_miss	-.0014691	.0020421	-0.72	0.475	-.005565	.0026267
phase2_st	-.0160963	.0028909	-5.57	0.000	-.0218947	-.0102979
_cons	.9204679	.0123059	74.80	0.000	.8957854	.9451504

(1) motoimm = 0

F(1, 53) = 2.08
 Prob > F = 0.1547

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_nounemp.x

> ls
 dir : seeout

Linear regression

Number of obs = 191818
 F(47, 53) = .
 Prob > F = .
 R-squared = 0.5822
 Root MSE = .15493

(Std. Err. adjusted for 54 clusters in tsd_state)

srvroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0001212	.0000917	-1.32	0.192	-.0003051	.0000628
male	.0006592	.0008522	0.77	0.443	-.00105	.0023685
gendermiss_flag	.152665	.1244381	1.23	0.225	-.0969262	.4022561
tsd_age	-.0006863	.0001305	-5.26	0.000	-.000948	-.0004246
doage2	-.0001344	.0000819	-1.64	0.107	-.0002986	.0000299
doage2miss_flag	-.0295738	.0166278	-1.78	0.081	-.062925	.0037774
race_a	-.0033891	.0033911	-1.00	0.322	-.0101909	.0034126
race_b	.0026136	.0011113	2.35	0.022	.0003846	.0048425
race_h	-.0007661	.0017147	-0.45	0.657	-.0042054	.0026733
race_i	.0005792	.0045115	0.13	0.898	-.0084696	.0096281
race_o	-.0020548	.0030462	-0.67	0.503	-.0081646	.004055
race_mis	-.0044685	.0039653	-1.13	0.265	-.0124218	.0034848
tsd_edu_hs	.0074932	.0009963	7.52	0.000	.0054949	.0094915
tsd_edu_mrhs	.0163398	.0019331	8.45	0.000	.0124625	.0202171
tsd_edu_mis	.0079137	.0013625	5.81	0.000	.0051809	.0106464
tsd_mie_exp	-.0041331	.0023803	-1.74	0.088	-.0089073	.0006411
tsd_mie_mis	-.0033588	.0017513	-1.92	0.061	-.0068714	.0001539
tsd_mie_psbl	-.0038271	.001374	-2.79	0.007	-.0065831	-.0010712
tsd_medicare	-.0043109	.0011443	-3.77	0.000	-.006606	-.0020158
tsd_medicare_miss	-.0066496	.0032813	-2.03	0.048	-.013231	-.0000682
tsd_depend_1	-.0030187	.0009093	-3.32	0.002	-.0048424	-.001195
tsd_depend_2	-.0027033	.0007392	-3.66	0.001	-.0041859	-.0012206
tsd_depend_miss	-.0106828	.0041743	-2.56	0.013	-.0190554	-.0023102
tsd_vrpr	-.8901317	.0071486	-124.52	0.000	-.9044699	-.8757935
tsd_vrpr_miss	-.9421917	.0037266	-252.83	0.000	-.9496664	-.934717
pdcgrou2	-.0038801	.0013764	-2.82	0.007	-.0066408	-.0011194
pdcgrou3	-.0033628	.0016871	-1.99	0.051	-.0067466	.000021
pdcgrou4	-.0006847	.0012436	-0.55	0.584	-.003179	.0018096
pdcgrou5	-.0262049	.0054349	-4.82	0.000	-.037106	-.0153038
cohort2000	-.0000849	.0013691	-0.06	0.951	-.0028309	.0026611
cohort2001	-.0004249	.0022805	-0.19	0.853	-.004999	.0041491
cohort2002	-.0019729	.0031936	-0.62	0.539	-.0083784	.0044326
cohort2003	-.0033467	.0041979	-0.80	0.429	-.0117667	.0050733
cohort2004	-.0257115	.0065201	-3.94	0.000	-.0387892	-.0126339
award_b4_tsd	.0003273	.0045614	0.07	0.943	-.0088218	.0094763

diaward_tsd	-.0002843	.0001029	-2.76	0.008	-.0004907	-.000078
epeb4twp_flag	-.0671124	.0221654	-3.03	0.004	-.1115706	-.0226542
ldwb4twp_flag	.053942	.041264	1.31	0.197	-.0288232	.1367071
ldwb4epe_flag	.0297988	.0136	2.19	0.033	.0025206	.0570769
twpb4tsd	.0031225	.0015537	2.01	0.050	6.14e-06	.006239
epeb4tsd	.0111658	.0021657	5.16	0.000	.0068219	.0155097
ldwb4tsd	-.0170257	.0025378	-6.71	0.000	-.0221159	-.0119355
st_AL	.0066968	.0054591	1.23	0.225	-.0042529	.0176464
st_AR	.0056922	.005241	1.09	0.282	-.0048199	.0162043
st_AZ	.0277436	.005184	5.35	0.000	.0173458	.0381413
st_CA	.0061977	.0054155	1.14	0.258	-.0046643	.0170598
st_CO	.0258306	.0051806	4.99	0.000	.0154395	.0362216
st_CT	.0147578	.0052013	2.84	0.006	.0043254	.0251902
st_DC	-.0098122	.0052241	-1.88	0.066	-.0202905	.0006662
st_DE	.0313848	.0052072	6.03	0.000	.0209405	.0418291
st_FL	.022902	.0052088	4.40	0.000	.0124544	.0333496
st_GA	.0103748	.0052304	1.98	0.052	-.000116	.0208656
st_HI	-.0162785	.0055831	-2.92	0.005	-.0274768	-.0050802
st_IA	.0243965	.0052083	4.68	0.000	.01395	.0348429
st_ID	.0036026	.0053957	0.67	0.507	-.0072198	.0144251
st_IL	.0318182	.0052702	6.04	0.000	.0212474	.042389
st_IN	.0065596	.0052289	1.25	0.215	-.0039283	.0170476
st_KS	.0129589	.0052233	2.48	0.016	.0024823	.0234355
st_KY	.002567	.0052495	0.49	0.627	-.0079621	.0130962
st_LA	.0182553	.0052636	3.47	0.001	.007698	.0288127
st_MA	.0198986	.0052229	3.81	0.000	.0094229	.0303743
st_MD	.0001886	.0054478	0.03	0.973	-.0107383	.0111155
st_ME	.0015935	.0054371	0.29	0.771	-.009312	.012499
st_MI	.0181128	.0052203	3.47	0.001	.0076422	.0285834
st_MN	.0097974	.0054575	1.80	0.078	-.001149	.0207439
st_MO	.0187785	.0052163	3.60	0.001	.0083159	.0292411
st_MS	.0072289	.0052824	1.37	0.177	-.0033663	.0178241
st_MT	.005669	.005223	1.09	0.283	-.004807	.0161449
st_NC	-.0156336	.0053956	-2.90	0.005	-.0264559	-.0048113
st_ND	-.0169316	.0053242	-3.18	0.002	-.0276107	-.0062526
st_NE	.0132077	.0054507	2.42	0.019	.002275	.0241404
st_NH	-.0056247	.0052352	-1.07	0.288	-.0161252	.0048758
st_NJ	-.0054357	.0052148	-1.04	0.302	-.0158953	.0050239
st_NM	-.0062252	.0051434	-1.21	0.232	-.0165415	.004091
st_NV	.0067632	.0052204	1.30	0.201	-.0037075	.0172339
st_NY	.0245826	.0052203	4.71	0.000	.0141121	.0350532
st_OH	.0078813	.0054081	1.46	0.151	-.0029659	.0187284
st_OK	.0439543	.0051942	8.46	0.000	.0335361	.0543726
st_OR	.0229157	.0052255	4.39	0.000	.0124346	.0333968
st_PA	-.0009982	.0054615	-0.18	0.856	-.0119526	.0099562
st_PR	-.0080992	.0052956	-1.53	0.132	-.0187208	.0025225
st_RI	-.0129646	.0053821	-2.41	0.020	-.0237598	-.0021694
st_SC	.0044614	.0052496	0.85	0.399	-.006068	.0149907
st_SD	.0579754	.0052307	11.08	0.000	.047484	.0684668
st_TN	.0235162	.0052457	4.48	0.000	.0129946	.0340378
st_TX	-.0046856	.005417	-0.86	0.391	-.0155508	.0061796
st_UT	.023699	.0054479	4.35	0.000	.012772	.034626
st_VA	.0140412	.0052359	2.68	0.010	.0035393	.0245431
st_VT	.0602426	.0052328	11.51	0.000	.0497468	.0707383
st_WA	-.0036527	.0054169	-0.67	0.503	-.0145177	.0072123
st_WI	.0486133	.0051979	9.35	0.000	.0381876	.059039
st_WV	-.0081636	.005483	-1.49	0.142	-.0191611	.0028338
st_WY	-.0091275	.0054231	-1.68	0.098	-.0200049	.0017498
pial	-.0000104	4.92e-06	-2.12	0.039	-.0000203	-5.52e-07
pia_miss	-.0065439	.0050564	-1.29	0.201	-.0166858	.0035979
ime1	2.18e-06	1.19e-06	1.84	0.072	-2.00e-07	4.56e-06
ime_miss	.0014562	.0018056	0.81	0.424	-.0021654	.0050779
phase2_st	-.0151792	.002749	-5.52	0.000	-.0206931	-.0096654

```

      _cons |      .9989268   .0090083   110.89   0.000   .9808584   1.016995
-----+-----

```

```
( 1)  motoimm = 0
```

```

      F( 1, 53) =      1.75
      Prob > F =      0.1922

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
PM_PH2_PH3_nounemp.x
> ls
dir : seeout

```

```
Linear regression
```

```

Number of obs = 191818
F( 47, 53) = .
Prob > F = .
R-squared = 0.4148
Root MSE = 1.0793

```

```
(Std. Err. adjusted for 54 clusters in tsd_state)
```

nstwl2	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0007403	.0006078	1.22	0.229	-.0004789	.0019594
male	.0086528	.0045011	1.92	0.060	-.0003752	.0176807
gendermiss_flag	-.0520788	.0289185	-1.80	0.077	-.110082	.0059243
tsd_age	-.0034549	.0006608	-5.23	0.000	-.0047803	-.0021295
doage2	.0005688	.0004893	1.16	0.250	-.0004126	.0015501
doage2miss_flag	1.717569	1.189764	1.44	0.155	-.6687944	4.103933
race_a	-.0119964	.0169162	-0.71	0.481	-.045926	.0219333
race_b	.0268812	.0075717	3.55	0.001	.0116943	.0420681
race_h	.0491991	.0141731	3.47	0.001	.0207714	.0776268
race_i	.0420709	.0354499	1.19	0.241	-.0290327	.1131745
race_o	.000045	.0329093	0.00	0.999	-.0659628	.0660528
race_mis	.0448162	.0208613	2.15	0.036	.0029738	.0866586
tsd_edu_hs	.0151518	.0055935	2.71	0.009	.0039327	.0263709
tsd_edu_mrhs	.0425745	.0071388	5.96	0.000	.0282559	.0568932
tsd_edu_mis	.0324891	.0058114	5.59	0.000	.0208329	.0441453
tsd_mie_exp	.0123326	.0136596	0.90	0.371	-.015065	.0397303
tsd_mie_mis	-.0066635	.0088789	-0.75	0.458	-.0244437	.0111738
tsd_mie_psbl	-.0070141	.0066678	-1.05	0.298	-.0203881	.0063598
tsd_medicare	-.0278871	.0106025	-2.63	0.011	-.0491531	-.0066212
tsd_medicare_miss	-.0013195	.0126789	-0.10	0.918	-.02675	.0241111
tsd_depend_1	-.0281735	.0052706	-5.35	0.000	-.0387449	-.0176021
tsd_depend_2	-.0178242	.0063575	-2.80	0.007	-.0305757	-.0050727
tsd_depend_miss	.0601345	.0215022	2.80	0.007	.0170065	.1032625
tsd_vrpr	.0974784	.0165592	5.89	0.000	.0642649	.1306919
tsd_vrpr_miss	.1278013	.0142245	8.98	0.000	.0992705	.1563322
pdcgrou2	-.005243	.005811	-0.90	0.371	-.0168985	.0064125
pdcgrou3	.0357926	.0063111	5.67	0.000	.0231341	.048451
pdcgrou4	.0369414	.0072079	5.13	0.000	.0224841	.0513987
pdcgrou5	-.0408734	.052317	-0.78	0.438	-.1458079	.0640612
cohort2000	.0180182	.0205657	0.88	0.385	-.0232313	.0592677
cohort2001	.0604807	.0299664	2.02	0.049	.0003757	.1205856
cohort2002	.0402348	.0470945	0.85	0.397	-.0542248	.1346943
cohort2003	.0010042	.0462878	0.02	0.983	-.0918373	.0938456
cohort2004	.0767585	.0553674	1.39	0.171	-.0342944	.1878114
award_b4_tsd	-.0097829	.0085027	-1.15	0.255	-.0268371	.0072714
diaward_tsd	-.0019334	.0007902	-2.45	0.018	-.0035182	-.0003485
epeb4twp_flag	.4751589	1.00819	0.47	0.639	-1.547014	2.497332
ldwb4twp_flag	-.8256491	.5819435	-1.42	0.162	-1.99288	.3415818
ldwb4epe_flag	.52094	.2159645	2.41	0.019	.08777	.9541099

twpb4tsd	.8509622	.0508716	16.73	0.000	.7489267	.9529978
epeb4tsd	.5157013	.0453566	11.37	0.000	.4247275	.6066751
ldwb4tsd	5.213462	.1102249	47.30	0.000	4.992379	5.434545
st_AL	.1045259	.044401	2.35	0.022	.0154688	.1935831
st_AR	-.0319166	.0424381	-0.75	0.455	-.1170367	.0532034
st_AZ	-.0973996	.0427064	-2.28	0.027	-.1830577	-.0117415
st_CA	.135917	.0442845	3.07	0.003	.0470935	.2247405
st_CO	-.0371718	.0425808	-0.87	0.387	-.122578	.0482344
st_CT	-.0159602	.0424484	-0.38	0.708	-.101101	.0691805
st_DC	.0909228	.0429292	2.12	0.039	.0048178	.1770279
st_DE	-.1175556	.0428627	-2.74	0.008	-.2035273	-.0315838
st_FL	-.0537023	.0426507	-1.26	0.214	-.1392488	.0318441
st_GA	.0179142	.0426721	0.42	0.676	-.0676751	.1035035
st_HI	.1293715	.0451672	2.86	0.006	.0387775	.2199655
st_IA	-.0915523	.0427737	-2.14	0.037	-.1773454	-.0057592
st_ID	.1244383	.0443622	2.81	0.007	.0354589	.2134177
st_IL	-.063534	.0427204	-1.49	0.143	-.1492203	.0221523
st_IN	-.0208862	.0423411	-0.49	0.624	-.1058118	.0640393
st_KS	-.0372077	.0422841	-0.88	0.383	-.1220188	.0476034
st_KY	-.0255586	.042443	-0.60	0.550	-.1106884	.0595713
st_LA	-.0042658	.0424441	-0.10	0.920	-.0893979	.0808663
st_MA	-.0895123	.0428415	-2.09	0.041	-.1754414	-.0035832
st_MD	.1798054	.0448703	4.01	0.000	.089807	.2698037
st_ME	.0980081	.044555	2.20	0.032	.008642	.1873741
st_MI	-.0046241	.042446	-0.11	0.914	-.0897599	.0805117
st_MN	.0544147	.0448515	1.21	0.230	-.0355462	.1443755
st_MO	-.031379	.0423733	-0.74	0.462	-.1163691	.0536111
st_MS	.0001869	.0423915	0.00	0.996	-.0848397	.0852135
st_MT	.0353305	.0423541	0.83	0.408	-.0496211	.1202822
st_NC	.0843608	.044463	1.90	0.063	-.0048207	.1735423
st_ND	-.0670658	.0422482	-1.59	0.118	-.1518049	.0176734
st_NE	.0284121	.0445567	0.64	0.526	-.0609574	.1177816
st_NH	-.0374276	.0424898	-0.88	0.382	-.1226514	.0477961
st_NJ	-.0081849	.0424772	-0.19	0.848	-.0933833	.0770135
st_NM	.0717199	.0422738	1.70	0.096	-.0130706	.1565104
st_NV	-.056364	.0425302	-1.33	0.191	-.1416689	.0289409
st_NY	-.0680453	.0426818	-1.59	0.117	-.1536541	.0175635
st_OH	.0795001	.0444969	1.79	0.080	-.0097493	.1687495
st_OK	.0261832	.0426062	0.61	0.541	-.0592741	.1116405
st_OR	-.1161543	.0429774	-2.70	0.009	-.2023561	-.0299525
st_PA	.1279916	.0443438	2.89	0.006	.0390491	.216934
st_PR	.0900755	.0447261	2.01	0.049	.0003663	.1797846
st_RI	.1712884	.0444128	3.86	0.000	.0822077	.2603692
st_SC	-.0071836	.0429185	-0.17	0.868	-.0932672	.0789001
st_SD	-.020335	.0423824	-0.48	0.633	-.1053433	.0646733
st_TN	-.0133432	.0423531	-0.32	0.754	-.0982928	.0716065
st_TX	.1301048	.0443062	2.94	0.005	.0412378	.2189717
st_UT	.0853657	.0446769	1.91	0.061	-.0042447	.1749762
st_VA	-.0050488	.0423859	-0.12	0.906	-.0900642	.0799666
st_VT	-.0727154	.0428134	-1.70	0.095	-.1585881	.0131574
st_WA	.1012497	.0445247	2.27	0.027	.0119444	.190555
st_WI	-.079195	.0427867	-1.85	0.070	-.1650143	.0066243
st_WV	.1186759	.0445633	2.66	0.010	.0292932	.2080586
st_WY	.1899134	.04518	4.20	0.000	.0992938	.280533
pial	.0000463	.0000381	1.22	0.229	-.00003	.0001226
pia_miss	-.075822	.0432471	-1.75	0.085	-.1625648	.0109207
ime1	9.16e-06	.0000135	0.68	0.501	-.0000179	.0000363
ime_miss	.0085851	.0215535	0.40	0.692	-.0346458	.051816
phase2_st	.1270035	.0188055	6.75	0.000	.0892845	.1647225
_cons	-.1615903	.0771257	-2.10	0.041	-.3162848	-.0068959

(1) motoimm = 0

F(1, 53) = 1.48
 Prob > F = 0.2287

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_nounemp.x
 > ls
 dir : seeout

Linear regression

Number of obs = 191818
 F(47, 53) = .
 Prob > F = .
 R-squared = 0.3536
 Root MSE = 2.4546

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0017777	.0015772	1.13	0.265	-.0013857	.004941
male	.0550931	.0103896	5.30	0.000	.0342543	.0759319
gendermiss_flag	-.2279542	.069815	-3.27	0.002	-.3679853	-.0879231
tsd_age	-.0122969	.0016276	-7.56	0.000	-.0155615	-.0090323
doage2	.0004224	.0010877	0.39	0.699	-.0017593	.0026041
doage2miss_flag	3.42124	2.479857	1.38	0.173	-1.552724	8.395204
race_a	.0196574	.0490279	0.40	0.690	-.07868	.1179949
race_b	.0762202	.0196119	3.89	0.000	.0368838	.1155566
race_h	.1199	.028269	4.24	0.000	.0631995	.1766005
race_i	.0510864	.0728907	0.70	0.486	-.0951139	.1972866
race_o	.1011979	.0640574	1.58	0.120	-.027285	.2296807
race_mis	.105249	.0507691	2.07	0.043	.0034191	.2070788
tsd_edu_hs	.0577445	.0127056	4.54	0.000	.0322603	.0832287
tsd_edu_mrhs	.1732817	.0178815	9.69	0.000	.1374158	.2091475
tsd_edu_mis	.1185453	.0159484	7.43	0.000	.0865567	.1505338
tsd_mie_exp	.0210723	.0381969	0.55	0.583	-.055541	.0976855
tsd_mie_mis	-.0274476	.0206842	-1.33	0.190	-.0689349	.0140397
tsd_mie_psbl	-.0184551	.0191465	-0.96	0.339	-.0568581	.0199479
tsd_medicare	-.0959548	.0209143	-4.59	0.000	-.1379036	-.0540059
tsd_medicare_miss	-.1005108	.0314899	-3.19	0.002	-.1636717	-.03735
tsd_depend_1	-.0892528	.0117626	-7.59	0.000	-.1128456	-.06566
tsd_depend_2	-.0526942	.0143256	-3.68	0.001	-.0814278	-.0239607
tsd_depend_miss	.1289707	.0369756	3.49	0.001	.0548071	.2031343
tsd_vrpr	.2796115	.0419701	6.66	0.000	.1954301	.3637928
tsd_vrpr_miss	.2897511	.0311949	9.29	0.000	.2271822	.3523201
pcdgroup2	-.0408838	.0144085	-2.84	0.006	-.0697837	-.011984
pcdgroup3	.1102412	.0131449	8.39	0.000	.0838758	.1366067
pcdgroup4	.1035432	.0167743	6.17	0.000	.0698981	.1371883
pcdgroup5	-.0359185	.1218679	-0.29	0.769	-.2803544	.2085175
cohort2000	.0267184	.0468217	0.57	0.571	-.067194	.1206308
cohort2001	.1174205	.0579998	2.02	0.048	.0010878	.2337533
cohort2002	.0675011	.0928093	0.73	0.470	-.1186508	.253653
cohort2003	.0471314	.1022997	0.46	0.647	-.1580558	.2523187
cohort2004	.2072542	.1358023	1.53	0.133	-.0651307	.4796391
award_b4_tsd	-.0020433	.0339265	-0.06	0.952	-.0700912	.0660046
diaward_tsd	-.00577	.0016857	-3.42	0.001	-.0091512	-.0023889
epeb4twp_flag	.1614642	1.778467	0.09	0.928	-3.405689	3.728617
ldwb4twp_flag	-1.420449	1.036382	-1.37	0.176	-3.499169	.6582711
ldwb4epe_flag	2.040907	.4661061	4.38	0.000	1.106016	2.975797
twpb4tsd	2.604277	.1377628	18.90	0.000	2.32796	2.880594
epeb4tsd	.8406173	.0840423	10.00	0.000	.6720497	1.009185
ldwb4tsd	9.533555	.2163344	44.07	0.000	9.099643	9.967466
st_AL	.1980441	.0933527	2.12	0.039	.0108023	.3852858

st_AR	-.1438474	.0895974	-1.61	0.114	-.3235571	.0358622
st_AZ	-.1444982	.0903595	-1.60	0.116	-.3257365	.0367401
st_CA	.3374238	.0934482	3.61	0.001	.1499905	.5248571
st_CO	-.1771462	.0898508	-1.97	0.054	-.3573642	.0030717
st_CT	-.0738043	.089425	-0.83	0.413	-.2531683	.1055596
st_DC	.2490497	.0902832	2.76	0.008	.0679645	.4301348
st_DE	-.0783084	.0908391	-0.86	0.393	-.2605087	.1038918
st_FL	-.1601781	.0903035	-1.77	0.082	-.3413041	.0209478
st_GA	.0269581	.0899201	0.30	0.766	-.1533987	.207315
st_HI	.2635841	.0963716	2.74	0.008	.0702871	.4568811
st_IA	-.2835026	.0899248	-3.15	0.003	-.4638689	-.1031363
st_ID	.2371378	.0935385	2.54	0.014	.0495233	.4247523
st_IL	-.2259648	.0904532	-2.50	0.016	-.4073908	-.0445387
st_IN	-.0701808	.0894352	-0.78	0.436	-.2495652	.1092036
st_KS	-.1123413	.0890924	-1.26	0.213	-.291038	.0663554
st_KY	-.116574	.0899899	-1.30	0.201	-.2970708	.0639228
st_LA	.003412	.0896203	0.04	0.970	-.1763437	.1831676
st_MA	-.1734123	.0906527	-1.91	0.061	-.3552385	.008414
st_MD	.4206232	.094132	4.47	0.000	.2318184	.6094281
st_ME	.2271419	.093218	2.44	0.018	.0401702	.4141135
st_MI	-.0418811	.0896221	-0.47	0.642	-.2216402	.1378779
st_MN	.1387542	.0938941	1.48	0.145	-.0495737	.327082
st_MO	-.1082204	.0894187	-1.21	0.232	-.2875716	.0711308
st_MS	-.0079954	.089672	-0.09	0.929	-.1878547	.1718639
st_MT	-.0308888	.0892164	-0.35	0.731	-.2098343	.1480567
st_NC	.1533085	.0934569	1.64	0.107	-.0341424	.3407593
st_ND	-.1927449	.0888281	-2.17	0.035	-.3709115	-.0145784
st_NE	.0531783	.0932051	0.57	0.571	-.1337675	.240124
st_NH	.017673	.0897538	0.20	0.845	-.1623503	.1976963
st_NJ	-.0177093	.0897659	-0.20	0.844	-.1977568	.1623382
st_NM	.1179935	.0892134	1.32	0.192	-.0609459	.2969329
st_NV	-.1382194	.0897724	-1.54	0.130	-.3182801	.0418414
st_NY	-.1822167	.090439	-2.01	0.049	-.3636143	-.0008191
st_OH	.1748184	.0932817	1.87	0.066	-.0122809	.3619178
st_OK	-.1494916	.0901161	-1.66	0.103	-.3302417	.0312584
st_OR	-.2148587	.0906929	-2.37	0.022	-.3967656	-.0329517
st_PA	.2786203	.0930219	3.00	0.004	.092042	.4651986
st_PR	.1466086	.0958756	1.53	0.132	-.0456934	.3389107
st_RI	.4122147	.0938834	4.39	0.000	.2239085	.6005208
st_SC	-.0691802	.0911879	-0.76	0.451	-.2520799	.1137194
st_SD	-.114807	.0891548	-1.29	0.203	-.2936288	.0640149
st_TN	-.0698871	.0895805	-0.78	0.439	-.2495628	.1097887
st_TX	.2851448	.0933673	3.05	0.004	.0978736	.472416
st_UT	.1899352	.0935832	2.03	0.047	.002231	.3776393
st_VA	-.0170737	.0895161	-0.19	0.849	-.1966202	.1624727
st_VT	-.2295009	.0903095	-2.54	0.014	-.4106388	-.048363
st_WA	.2643988	.0933381	2.83	0.007	.0771862	.4516114
st_WI	-.2270721	.0902495	-2.52	0.015	-.4080897	-.0460545
st_WV	.2516214	.0935661	2.69	0.010	.0639516	.4392911
st_WY	.3238477	.094786	3.42	0.001	.133731	.5139644
pial	.0000617	.0000747	0.82	0.413	-.0000883	.0002116
pia_miss	-.2607558	.0838396	-3.11	0.003	-.4289167	-.092595
ime1	.0000548	.0000271	2.02	0.048	4.54e-07	.0001092
ime_miss	.0055888	.0411426	0.14	0.892	-.0769328	.0881103
phase2_st	.2993167	.0331364	9.03	0.000	.2328536	.3657799
_cons	-.0868904	.1459165	-0.60	0.554	-.3795618	.205781

(1) motoimm = 0

F(1, 53) = 1.27
 Prob > F = 0.2648

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
PM_PH2_PH3_nounemp.x
> ls
dir : seeout

```

Linear regression

```

Number of obs = 191818
F( 47, 53) = .
Prob > F = .
R-squared = 0.3036
Root MSE = 4.0873

```

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0008609	.0029287	0.29	0.770	-.0050133	.0067352
male	.1211055	.0186667	6.49	0.000	.0836648	.1585462
gendermiss_flag	-.5770538	.1295341	-4.45	0.000	-.8368663	-.3172414
tsd_age	-.0267369	.0028769	-9.29	0.000	-.0325072	-.0209666
doage2	-.0007604	.0017526	-0.43	0.666	-.0042757	.0027549
doage2miss_flag	6.233339	4.684445	1.33	0.189	-3.162467	15.62914
race_a	.0751815	.0813772	0.92	0.360	-.0880406	.2384035
race_b	.1575404	.0329828	4.78	0.000	.0913852	.2236955
race_h	.2095209	.0441617	4.74	0.000	.1209437	.298098
race_i	.0669217	.1128803	0.59	0.556	-.1594875	.2933308
race_o	.2568987	.1095796	2.34	0.023	.0371098	.4766876
race_mis	.1694143	.0918149	1.85	0.071	-.014743	.3535716
tsd_edu_hs	.1181721	.0216192	5.47	0.000	.0748094	.1615348
tsd_edu_mrhs	.373561	.0317996	11.75	0.000	.3097791	.4373428
tsd_edu_mis	.2427955	.0286097	8.49	0.000	.1854118	.3001793
tsd_mie_exp	.0465443	.0678614	0.69	0.496	-.0895684	.182657
tsd_mie_mis	-.0676917	.0326823	-2.07	0.043	-.1332441	-.0021393
tsd_mie_psbl	-.0585623	.0311012	-1.88	0.065	-.1209434	.0038188
tsd_medicare	-.1741528	.0322759	-5.40	0.000	-.2388902	-.1094155
tsd_medicare_miss	-.2622315	.0636026	-4.12	0.000	-.3898022	-.1346608
tsd_depend_1	-.1751446	.0218175	-8.03	0.000	-.2189049	-.1313842
tsd_depend_2	-.0886913	.0240654	-3.69	0.001	-.1369605	-.0404222
tsd_depend_miss	.1388758	.0565455	2.46	0.017	.0254598	.2522918
tsd_vrpr	.4597836	.064114	7.17	0.000	.3311873	.5883799
tsd_vrpr_miss	.3531557	.0439419	8.04	0.000	.2650195	.4412919
pdcgrou2	-.1180093	.0306979	-3.84	0.000	-.1795815	-.0564371
pdcgrou3	.1932519	.0251298	7.69	0.000	.142848	.2436558
pdcgrou4	.1679363	.0295065	5.69	0.000	.1087538	.2271189
pdcgrou5	-.0873245	.1981885	-0.44	0.661	-.4848404	.3101913
cohort2000	.0019628	.0666577	0.03	0.977	-.1317355	.1356612
cohort2001	.1117076	.0787763	1.42	0.162	-.0462977	.2697129
cohort2002	.0235452	.1260673	0.19	0.853	-.2293138	.2764043
cohort2003	.0320409	.1492842	0.21	0.831	-.2673852	.331467
cohort2004	.269315	.2084061	1.29	0.202	-.1486948	.6873247
award_b4_tsd	.0825115	.0757249	1.09	0.281	-.0693733	.2343964
diaward_tsd	-.0118455	.0027316	-4.34	0.000	-.0173244	-.0063665
epeb4twp_flag	-.5436164	2.054599	-0.26	0.792	-4.664619	3.577387
ldwb4twp_flag	-2.32804	1.307996	-1.78	0.081	-4.951547	.2954679
ldwb4epe_flag	4.207008	.7722696	5.45	0.000	2.658032	5.755985
twpb4tsd	4.505549	.2223122	20.27	0.000	4.059647	4.951451
epeb4tsd	1.015406	.1317512	7.71	0.000	.7511462	1.279665
ldwb4tsd	13.35652	.3129175	42.68	0.000	12.72889	13.98415
st_AL	.3131828	.1562558	2.00	0.050	-.0002266	.6265922
st_AR	-.2752232	.1492181	-1.84	0.071	-.5745167	.0240703
st_AZ	-.1003832	.1509019	-0.67	0.509	-.403054	.2022876
st_CA	.6142687	.1560038	3.94	0.000	.3013647	.9271728

st_CO	-.387015	.1500382	-2.58	0.013	-.6879536	-.0860765
st_CT	-.1156031	.1490331	-0.78	0.441	-.4145256	.1833195
st_DC	.5430529	.1498923	3.62	0.001	.2424071	.8436987
st_DE	.1235469	.1508131	0.82	0.416	-.1789458	.4260397
st_FL	-.2353341	.1508276	-1.56	0.125	-.5378559	.0671878
st_GA	.0641175	.1496175	0.43	0.670	-.2359772	.3642122
st_HI	.4506136	.1579574	2.85	0.006	.1337911	.7674361
st_IA	-.6162957	.1501382	-4.10	0.000	-.9174348	-.3151565
st_ID	.3135265	.1562768	2.01	0.050	.0000748	.6269781
st_IL	-.3042714	.1509805	-2.02	0.049	-.6070999	-.0014428
st_IN	-.0828842	.1488796	-0.56	0.580	-.3814987	.2157304
st_KS	-.0755227	.1483442	-0.51	0.613	-.3730634	.2220181
st_KY	-.1868676	.1498832	-1.25	0.218	-.4874952	.11376
st_LA	.0202869	.1490929	0.14	0.892	-.2787556	.3193294
st_MA	-.146406	.1514708	-0.97	0.338	-.4502179	.1574059
st_MD	.6979782	.1572065	4.44	0.000	.3826619	1.013294
st_ME	.4475488	.155782	2.87	0.006	.1350897	.760008
st_MI	-.0763943	.1491591	-0.51	0.611	-.3755696	.222781
st_MN	.2709326	.1566933	1.73	0.090	-.0433543	.5852194
st_MO	-.1890983	.148814	-1.27	0.209	-.4875814	.1093848
st_MS	.0249982	.1492572	0.17	0.868	-.2743737	.3243702
st_MT	-.0239541	.1484145	-0.16	0.872	-.3216359	.2737277
st_NC	.2122466	.1562412	1.36	0.180	-.1011335	.5256267
st_ND	-.3221142	.1478744	-2.18	0.034	-.6187126	-.0255157
st_NE	.0980731	.1557778	0.63	0.532	-.2143776	.4105237
st_NH	.1753201	.1495005	1.17	0.246	-.1245399	.4751801
st_NJ	.0196404	.1492736	0.13	0.896	-.2797645	.3190453
st_NM	.1743241	.1487711	1.17	0.247	-.1240729	.4727211
st_NV	-.1844746	.1491321	-1.24	0.222	-.4835957	.1146466
st_NY	-.2115345	.1508596	-1.40	0.167	-.5141205	.0910515
st_OH	.2944145	.155941	1.89	0.065	-.0183635	.6071926
st_OK	-.0842779	.1503922	-0.56	0.578	-.3859264	.2173706
st_OR	-.31964	.1512753	-2.11	0.039	-.6230599	-.0162201
st_PA	.4557908	.1556335	2.93	0.005	.1436296	.7679521
st_PR	.1559208	.1602338	0.97	0.335	-.1654675	.477309
st_RI	.6477989	.1570145	4.13	0.000	.3328677	.96273
st_SC	-.2108948	.152034	-1.39	0.171	-.5158364	.0940469
st_SD	-.2236524	.1481918	-1.51	0.137	-.5208876	.0735828
st_TN	-.1234297	.1492154	-0.83	0.412	-.4227179	.1758586
st_TX	.4780319	.1561476	3.06	0.003	.1648395	.7912243
st_UT	.3460664	.1562292	2.22	0.031	.0327102	.6594225
st_VA	.0170977	.1489444	0.11	0.909	-.2816469	.3158424
st_VT	-.4065354	.1504596	-2.70	0.009	-.7083191	-.1047517
st_WA	.4836763	.1557305	3.11	0.003	.1713204	.7960321
st_WI	-.2453171	.1506844	-1.63	0.109	-.5475518	.0569176
st_WV	.3926773	.1564424	2.51	0.015	.0788936	.7064611
st_WY	.4123169	.1581326	2.61	0.012	.095143	.7294907
pial	.0001381	.0001187	1.16	0.250	-.0000999	.0003761
pia_miss	-.4080888	.1171586	-3.48	0.001	-.6430792	-.1730985
ime1	.0001063	.000043	2.47	0.017	.0000201	.0001925
ime_miss	-.0711385	.059906	-1.19	0.240	-.1912946	.0490177
phase2_st	.4355097	.0514195	8.47	0.000	.3323752	.5386442
_cons	.4651252	.2303609	2.02	0.049	.0030798	.9271707

(1) motoimm = 0

F(1, 53) = 0.09
 Prob > F = 0.7699

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_nounemp.x
 > ls

dir : seeout

Linear regression

Number of obs = 191818
 F(47, 53) = .
 Prob > F = .
 R-squared = 0.2662
 Root MSE = 5.9041

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0005524	.0041721	0.13	0.895	-.0078157	.0089206
male	.2140249	.0299551	7.14	0.000	.1539426	.2741072
gendermiss_flag	-1.072121	.2154947	-4.98	0.000	-1.504349	-.6398938
tsd_age	-.0463388	.0042419	-10.92	0.000	-.054847	-.0378306
doage2	-.0027427	.0026004	-1.05	0.296	-.0079583	.002473
doage2miss_flag	6.603122	5.350567	1.23	0.223	-4.128757	17.335
race_a	.1090805	.1100927	0.99	0.326	-.1117375	.3298985
race_b	.2594167	.0490971	5.28	0.000	.1609403	.357893
race_h	.2805191	.0675335	4.15	0.000	.145064	.4159742
race_i	.1346248	.165814	0.81	0.420	-.197956	.4672056
race_o	.3858067	.170139	2.27	0.027	.044551	.7270624
race_mis	.2116168	.1233758	1.72	0.092	-.0358438	.4590774
tsd_edu_hs	.187595	.02912	6.44	0.000	.1291877	.2460023
tsd_edu_mrhs	.6273128	.0474744	13.21	0.000	.5320913	.7225344
tsd_edu_mis	.3841893	.0395984	9.70	0.000	.3047649	.4636136
tsd_mie_exp	.0640034	.0987883	0.65	0.520	-.1341408	.2621476
tsd_mie_mis	-.0987936	.0487655	-2.03	0.048	-.1966047	-.0009825
tsd_mie_psbl	-.1057889	.0407746	-2.59	0.012	-.1875724	-.0240054
tsd_medicare	-.2597406	.0461315	-5.63	0.000	-.3522687	-.1672126
tsd_medicare_miss	-.4721666	.1079332	-4.37	0.000	-.6886531	-.255568
tsd_depend_1	-.2556147	.0345076	-7.41	0.000	-.3248281	-.1864012
tsd_depend_2	-.1059531	.0330061	-3.21	0.002	-.1721549	-.0397512
tsd_depend_miss	.080802	.0777438	1.04	0.303	-.0751323	.2367364
tsd_vrpr	.4775393	.0813529	5.87	0.000	.314366	.6407125
tsd_vrpr_miss	.1942571	.0607553	3.20	0.002	.0723974	.3161168
pdcgrou2	-.2479971	.0532811	-4.65	0.000	-.3548654	-.1411288
pdcgrou3	.2626245	.0422885	6.21	0.000	.1778045	.3474445
pdcgrou4	.2095818	.0472629	4.43	0.000	.1147844	.3043792
pdcgrou5	-.2792636	.2666381	-1.05	0.300	-.814072	.2555448
cohort2000	-.0157306	.085266	-0.18	0.854	-.1867526	.1552914
cohort2001	.1039303	.0996781	1.04	0.302	-.0959985	.3038592
cohort2002	-.02084	.1587315	-0.13	0.896	-.3392151	.2975351
cohort2003	.0306979	.1990961	0.15	0.878	-.3686384	.4300342
cohort2004	.4285504	.2960764	1.45	0.154	-.1653038	1.022405
award_b4_tsd	.2084575	.124511	1.67	0.100	-.0412799	.4581949
diaward_tsd	-.0176705	.0039791	-4.44	0.000	-.0256516	-.0096893
epeb4twp_flag	-.9477876	2.876635	-0.33	0.743	-6.717587	4.822012
ldwb4twp_flag	-2.965225	1.698386	-1.75	0.087	-6.371756	.4413061
ldwb4epe_flag	6.99896	1.09702	6.38	0.000	4.798616	9.199305
twpb4tsd	6.401215	.2956147	21.65	0.000	5.808286	6.994143
epeb4tsd	1.072065	.177228	6.05	0.000	.716591	1.42754
ldwb4tsd	16.84737	.3999393	42.12	0.000	16.04519	17.64955
st_AL	.2626147	.1512706	1.74	0.088	-.0407958	.5660252
st_AR	-.5104355	.1407763	-3.63	0.001	-.792797	-.2280741
st_AZ	-.1082115	.142262	-0.76	0.450	-.393553	.17713
st_CA	.8215844	.1500254	5.48	0.000	.5206716	1.122497
st_CO	-.5933464	.1410999	-4.21	0.000	-.876357	-.3103358
st_CT	-.2834563	.1404166	-2.02	0.049	-.5650963	-.0018162
st_DC	.7369209	.1426262	5.17	0.000	.4508491	1.022993
st_DE	.1865754	.1418154	1.32	0.194	-.0978703	.4710211

st_FL	-.4448912	.1421133	-3.13	0.003	-.7299344	-.1598481
st_GA	.0401794	.1409351	0.29	0.777	-.2425007	.3228595
st_HI	.6474183	.1515764	4.27	0.000	.3433947	.951442
st_IA	-1.058332	.142065	-7.45	0.000	-1.343278	-.7733855
st_ID	.3030041	.1523467	1.99	0.052	-.0025647	.6085728
st_IL	-.4502309	.1427248	-3.15	0.003	-.7365007	-.1639612
st_IN	-.2154453	.1402702	-1.54	0.131	-.4967918	.0659011
st_KS	-.1557461	.1394689	-1.12	0.269	-.4354852	.123993
st_KY	-.3768146	.1421139	-2.65	0.011	-.6618589	-.0917703
st_LA	-.0504648	.1403336	-0.36	0.721	-.3319383	.2310087
st_MA	-.1399687	.1437597	-0.97	0.335	-.4283143	.1483768
st_MD	.8683692	.1520936	5.71	0.000	.563308	1.17343
st_ME	.4790234	.1508409	3.18	0.002	.1764749	.7815718
st_MI	-.2360821	.1404496	-1.68	0.099	-.5177884	.0456242
st_MN	.294734	.1525506	1.93	0.059	-.0112438	.6007118
st_MO	-.3926107	.1399263	-2.81	0.007	-.6732674	-.111954
st_MS	-.0224568	.140631	-0.16	0.874	-.3045269	.2596132
st_MT	-.0907285	.1395891	-0.65	0.519	-.3707088	.1892519
st_NC	.110238	.1514113	0.73	0.470	-.1934546	.4139307
st_ND	-.5867523	.1390668	-4.22	0.000	-.8656851	-.3078196
st_NE	.0313292	.1507849	0.21	0.836	-.2711069	.3337654
st_NH	.2870914	.1413846	2.03	0.047	.0035097	.570673
st_NJ	-.03747	.1404899	-0.27	0.791	-.319257	.244317
st_NM	.1120095	.140775	0.80	0.430	-.1703494	.3943684
st_NV	-.3015702	.1401158	-2.15	0.036	-.5826069	-.0205335
st_NY	-.2308489	.1421337	-1.62	0.110	-.515933	.0542352
st_OH	.2738244	.1509449	1.81	0.075	-.0289327	.5765815
st_OK	.0488525	.1420407	0.34	0.732	-.2360451	.3337501
st_OR	-.530971	.1432819	-3.71	0.001	-.8183582	-.2435839
st_PA	.5043377	.1502707	3.36	0.001	.2029328	.8057425
st_PR	-.009051	.1589453	-0.06	0.955	-.327855	.309753
st_RI	.7742807	.1529018	5.06	0.000	.4675986	1.080963
st_SC	-.5259976	.1442035	-3.65	0.001	-.8152333	-.236762
st_SD	-.5091153	.1392213	-3.66	0.001	-.7883578	-.2298727
st_TN	-.2952037	.1408204	-2.10	0.041	-.5776537	-.0127538
st_TX	.5418842	.1507775	3.59	0.001	.2394629	.8443055
st_UT	.4174712	.1514284	2.76	0.008	.1137443	.7211981
st_VA	-.0344845	.1401235	-0.25	0.807	-.3155365	.2465676
st_VT	-.7882422	.1424057	-5.54	0.000	-1.073872	-.5026125
st_WA	.582925	.1500348	3.89	0.000	.2819933	.8838566
st_WI	-.3366356	.1424117	-2.36	0.022	-.6222774	-.0509939
st_WV	.371375	.1519738	2.44	0.018	.0665541	.6761959
st_WY	.3676754	.1553275	2.37	0.022	.0561279	.6792229
pial	.0002224	.000168	1.32	0.191	-.0001147	.0005594
pia_miss	-.5161383	.1403205	-3.68	0.001	-.7975856	-.234691
ime1	.0001658	.0000611	2.71	0.009	.0000432	.0002885
ime_miss	-.1977137	.0788453	-2.51	0.015	-.3558573	-.0395701
phase2_st	.5157706	.0719861	7.16	0.000	.3713847	.6601565
_cons	1.632018	.28218	5.78	0.000	1.066036	2.197999

(1) motoimm = 0

F(1, 53) = 0.02
 Prob > F = 0.8952

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_nounemp.x
 > ls
 dir : seeout

Linear regression

Number of obs = 191818
 F(48, 53) = .

Prob > F = .
R-squared = 0.1167
Root MSE = .12594

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0000915	.0001138	0.80	0.425	-.0001367	.0003198
int_motoimm	-.0000948	.0001799	-0.53	0.600	-.0004556	.000266
male	.0020936	.00057	3.67	0.001	.0009503	.0032369
gendermiss_flag	-.0078039	.0022721	-3.43	0.001	-.0123612	-.0032465
tsd_age	-.0004542	.000089	-5.10	0.000	-.0006328	-.0002757
doage2	-.000058	.0000597	-0.97	0.336	-.0001778	.0000617
doage2miss_flag	-.065761	.0391033	-1.68	0.099	-.1441923	.0126703
race_a	-.0022455	.0023195	-0.97	0.337	-.0068978	.0024068
race_b	.0045972	.0011294	4.07	0.000	.0023319	.0068625
race_h	.0026093	.0008956	2.91	0.005	.000813	.0044056
race_i	.0046328	.0038784	1.19	0.238	-.0031463	.012412
race_o	.009195	.0026677	3.45	0.001	.0038442	.0145458
race_mis	.0048895	.0017463	2.80	0.007	.0013869	.0083921
tsd_edu_hs	.0032103	.0006838	4.70	0.000	.0018389	.0045818
tsd_edu_mrhs	.0077524	.001061	7.31	0.000	.0056243	.0098805
tsd_edu_mis	.0053044	.0007876	6.74	0.000	.0037247	.0068841
tsd_mie_exp	.0026412	.0020009	1.32	0.193	-.0013721	.0066544
tsd_mie_mis	-.0007471	.0009427	-0.79	0.432	-.0026378	.0011437
tsd_mie_psbl	.0001929	.0008041	0.24	0.811	-.0014199	.0018056
tsd_medicare	-.0048675	.0010419	-4.67	0.000	-.0069573	-.0027777
tsd_medicare_miss	-.0061145	.0017757	-3.44	0.001	-.0096762	-.0025528
tsd_depend_1	-.0026465	.0006989	-3.79	0.000	-.0040482	-.0012447
tsd_depend_2	-.001239	.0006791	-1.82	0.074	-.0026012	.0001232
tsd_depend_miss	.0031216	.0021929	1.42	0.160	-.0012769	.00752
tsd_vrpr	.0111484	.0016836	6.62	0.000	.0077715	.0145252
tsd_vrpr_miss	.010595	.0014544	7.28	0.000	.0076779	.013512
pdcgrou2	-.0024384	.0008956	-2.72	0.009	-.0042346	-.0006421
pdcgrou3	.0032059	.0008625	3.72	0.000	.001476	.0049358
pdcgrou4	.0022453	.0006154	3.65	0.001	.0010109	.0034797
pdcgrou5	-.0018253	.0060985	-0.30	0.766	-.0140573	.0104067
cohort2000	.0015402	.0016326	0.94	0.350	-.0017343	.0048147
cohort2001	.0057713	.0021252	2.72	0.009	.0015087	.0100339
cohort2002	.0054542	.0037616	1.45	0.153	-.0020905	.012999
cohort2003	.0049657	.0040552	1.22	0.226	-.0031681	.0130995
cohort2004	.0091924	.0057106	1.61	0.113	-.0022617	.0206464
award_b4_tsd	-.0017349	.0021678	-0.80	0.427	-.006083	.0026132
diaward_tsd	-.0001936	.0000795	-2.44	0.018	-.000353	-.0000342
epeb4twp_flag	-.0502106	.0898453	-0.56	0.579	-.2304174	.1299962
ldwb4twp_flag	.1801165	.0578875	3.11	0.003	.0640088	.2962242
ldwb4epe_flag	.1066464	.0193111	5.52	0.000	.0679133	.1453796
twpb4tsd	.155297	.0084163	18.45	0.000	.1384159	.172178
epeb4tsd	.0643465	.0039347	16.35	0.000	.0564545	.0722384
ldwb4tsd	-.096301	.0117264	-8.21	0.000	-.1198211	-.0727808
st_AL	-.0029285	.0037634	-0.78	0.440	-.0104769	.0046199
st_AR	-.0081469	.0036801	-2.21	0.031	-.0155283	-.0007656
st_AZ	-.0032921	.003646	-0.90	0.371	-.010605	.0040208
st_CA	.0054591	.003695	1.48	0.145	-.0019522	.0128704
st_CO	-.0135678	.0036561	-3.71	0.000	-.020901	-.0062345
st_CT	-.0070742	.0036668	-1.93	0.059	-.014429	.0002805
st_DC	-.0005234	.0037378	-0.14	0.889	-.0080205	.0069736
st_DE	-.0179718	.0036629	-4.91	0.000	-.0253186	-.0106249
st_FL	-.0100996	.0036303	-2.78	0.007	-.0173811	-.002818
st_GA	-.0045549	.0036645	-1.24	0.219	-.0119048	.0027951
st_HI	.0050241	.0037971	1.32	0.191	-.0025918	.0126401

st_IA	-.0180587	.0037376	-4.83	0.000	-.0255553	-.010562
st_ID	.0020332	.0038184	0.53	0.597	-.0056255	.009692
st_IL	-.0181771	.0036532	-4.98	0.000	-.0255045	-.0108498
st_IN	-.0070614	.0036741	-1.92	0.060	-.0144307	.0003079
st_KS	-.0112677	.0036908	-3.05	0.004	-.0186706	-.0038649
st_KY	-.0080901	.0036811	-2.20	0.032	-.0154734	-.0007069
st_LA	-.0048324	.0036913	-1.31	0.196	-.0122361	.0025714
st_MA	-.0081466	.0036627	-2.22	0.030	-.015493	-.0008002
st_MD	.0058975	.0037502	1.57	0.122	-.0016244	.0134195
st_ME	.0015446	.0037682	0.41	0.684	-.0060134	.0091026
st_MI	-.0041511	.0036578	-1.13	0.262	-.0114878	.0031856
st_MN	.0019533	.0038109	0.51	0.610	-.0056905	.009597
st_MO	-.0082336	.0036748	-2.24	0.029	-.0156043	-.000863
st_MS	-.0024813	.0036875	-0.67	0.504	-.0098776	.0049149
st_MT	-.0087123	.0037027	-2.35	0.022	-.0161389	-.0012856
st_NC	-.0012103	.0037509	-0.32	0.748	-.0087336	.006313
st_ND	-.0165769	.0037387	-4.43	0.000	-.0240759	-.009078
st_NE	-.0021648	.0037944	-0.57	0.571	-.0097754	.0054459
st_NH	-.0095483	.0036825	-2.59	0.012	-.0169344	-.0021622
st_NJ	-.0028205	.0036875	-0.76	0.448	-.0102167	.0045757
st_NM	-6.44e-06	.0037204	-0.00	0.999	-.0074687	.0074558
st_NV	-.007253	.0036638	-1.98	0.053	-.0146016	.0000955
st_NY	-.0113991	.0036487	-3.12	0.003	-.0187174	-.0040807
st_OH	-.002369	.0037713	-0.63	0.533	-.0099334	.0051953
st_OK	-.0007344	.0036506	-0.20	0.841	-.0080567	.0065878
st_OR	-.0102725	.0036206	-2.84	0.006	-.0175344	-.0030105
st_PA	.0029769	.0037538	0.79	0.431	-.0045522	.0105061
st_PR	-.0026359	.0037924	-0.70	0.490	-.0102425	.0049706
st_RI	.005199	.0037687	1.38	0.174	-.0023601	.0127581
st_SC	-.0073837	.0036647	-2.01	0.049	-.0147341	-.0000333
st_SD	-.0126924	.0037322	-3.40	0.001	-.0201783	-.0052066
st_TN	-.005373	.0036726	-1.46	0.149	-.0127394	.0019934
st_TX	.0035685	.0037439	0.95	0.345	-.0039408	.0110777
st_UT	-.0011287	.0037761	-0.30	0.766	-.0087025	.0064452
st_VA	-.004015	.0036804	-1.09	0.280	-.011397	.0033669
st_VT	-.0032509	.0036767	-0.88	0.381	-.0106253	.0041236
st_WA	.0013993	.0037423	0.37	0.710	-.0061068	.0089053
st_WI	-.0193262	.0036765	-5.26	0.000	-.0267004	-.011952
st_WV	.0027255	.0037405	0.73	0.469	-.004777	.0102279
st_WY	-.0083321	.0038463	-2.17	0.035	-.0160468	-.0006174
pial	-7.54e-06	2.67e-06	-2.82	0.007	-.0000129	-2.17e-06
pia_miss	-.0183338	.0028345	-6.47	0.000	-.024019	-.0126485
ime1	4.06e-06	8.45e-07	4.80	0.000	2.36e-06	5.75e-06
ime_miss	.0034506	.0013684	2.52	0.015	.0007059	.0061954
phase2_st	.0087816	.0017864	4.92	0.000	.0051986	.0123647
_cons	.0094798	.0065705	1.44	0.155	-.003699	.0226586

(1) motoimm = 0

F(1, 53) = 0.65
 Prob > F = 0.4247

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > nounemp.xls
 dir : seeout

Linear regression

Number of obs = 191818
 F(48, 53) = .
 Prob > F = .
 R-squared = 0.1171
 Root MSE = .17452

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0000725	.0001284	-0.57	0.574	-.00033	.0001849
int_motoimm	-.0002206	.0002294	-0.96	0.341	-.0006806	.0002395
male	.0051704	.0008709	5.94	0.000	.0034235	.0069173
gendermiss_flag	-.0266062	.0054225	-4.91	0.000	-.0374823	-.0157301
tsd_age	-.0010612	.0001288	-8.24	0.000	-.0013195	-.0008029
doage2	-.000119	.0000889	-1.34	0.186	-.0002973	.0000593
doage2miss_flag	-.084525	.0440996	-1.92	0.061	-.1729775	.0039275
race_a	.0001272	.0034654	0.04	0.971	-.0068235	.0070778
race_b	.0101036	.0016661	6.06	0.000	.0067618	.0134454
race_h	.0055552	.0011615	4.78	0.000	.0032256	.0078849
race_i	.0059472	.0043736	1.36	0.180	-.0028252	.0147197
race_o	.0193957	.0049744	3.90	0.000	.0094183	.0293731
race_mis	.006468	.0035353	1.83	0.073	-.0006228	.0135588
tsd_edu_hs	.0051196	.0010002	5.12	0.000	.0031134	.0071258
tsd_edu_mrhs	.0158178	.0013603	11.63	0.000	.0130894	.0185463
tsd_edu_mis	.0095187	.0013669	6.96	0.000	.0067769	.0122604
tsd_mie_exp	.0040483	.0025396	1.59	0.117	-.0010456	.0091422
tsd_mie_mis	-.0034482	.0012075	-2.86	0.006	-.0058702	-.0010262
tsd_mie_psbl	-.0004872	.0009666	-0.50	0.616	-.0024259	.0014516
tsd_medicare	-.0095073	.001446	-6.57	0.000	-.0124077	-.006607
tsd_medicare_miss	-.0151856	.0030705	-4.95	0.000	-.0213442	-.009027
tsd_depend_1	-.0046443	.001196	-3.88	0.000	-.0070432	-.0022455
tsd_depend_2	-.0016756	.0012134	-1.38	0.173	-.0041094	.0007582
tsd_depend_miss	-.0036983	.0032118	-1.15	0.255	-.0101404	.0027438
tsd_vrpr	.0157072	.0028527	5.51	0.000	.0099853	.021429
tsd_vrpr_miss	.0056614	.0021986	2.57	0.013	.0012515	.0100713
pdcgrou2	-.0073364	.0015676	-4.68	0.000	-.0104806	-.0041921
pdcgrou3	.0051339	.0011198	4.58	0.000	.0028879	.0073799
pdcgrou4	.0033058	.0012039	2.75	0.008	.000891	.0057206
pdcgrou5	-.0070817	.0076889	-0.92	0.361	-.0225036	.0083403
cohort2000	-.001052	.0019728	-0.53	0.596	-.005009	.002905
cohort2001	.003261	.002844	1.15	0.257	-.0024434	.0089654
cohort2002	.001981	.0045864	0.43	0.668	-.0072181	.0111801
cohort2003	.0066171	.00654	1.01	0.316	-.0065006	.0197347
cohort2004	.0104762	.0099225	1.06	0.296	-.0094258	.0303783
award_b4_tsd	.0036313	.0054799	0.66	0.510	-.00736	.0146227
diaward_tsd	-.0004444	.0001281	-3.47	0.001	-.0007013	-.0001875
epeb4twp_flag	-.0979996	.0931647	-1.05	0.298	-.2848643	.0888651
ldwb4twp_flag	.2531057	.0798054	3.17	0.003	.0930364	.413175
ldwb4epe_flag	.2593802	.0275892	9.40	0.000	.2040432	.3147171
twpb4tsd	.2128186	.0088488	24.05	0.000	.1950702	.2305671
epeb4tsd	.0612476	.0040398	15.16	0.000	.0531449	.0693504
ldwb4tsd	-.1353581	.0142952	-9.47	0.000	-.1640307	-.1066856
st_AL	.0028931	.0022177	1.30	0.198	-.001555	.0073413
st_AR	-.007693	.001975	-3.90	0.000	-.0116545	-.0037316
st_AZ	.0070387	.0017163	4.10	0.000	.0035962	.0104813
st_CA	.0185178	.0020659	8.96	0.000	.0143741	.0226616
st_CO	-.0208419	.001586	-13.14	0.000	-.0240229	-.0176609
st_CT	-.0012272	.0018162	-0.68	0.502	-.0048701	.0024157
st_DC	.0229087	.0018343	12.49	0.000	.0192297	.0265878
st_DE	.0248511	.0017689	14.05	0.000	.0213032	.028399
st_FL	-.004069	.0016477	-2.47	0.017	-.007374	-.0007641
st_GA	.0021748	.0017972	1.21	0.232	-.00143	.0057795
st_HI	.0120733	.0024979	4.83	0.000	.0070631	.0170836
st_IA	-.025272	.0016875	-14.98	0.000	-.0286568	-.0218872
st_ID	.0107652	.0021665	4.97	0.000	.0064197	.0151107
st_IL	-.0128788	.0017979	-7.16	0.000	-.0164849	-.0092727

st_IN	-.0031997	.0019375	-1.65	0.105	-.0070858	.0006865
st_KS	-.0043349	.0019179	-2.26	0.028	-.0081817	-.0004882
st_KY	-.0073805	.0020428	-3.61	0.001	-.011478	-.0032831
st_LA	.0030637	.0018911	1.62	0.111	-.0007293	.0068567
st_MA	-.0018581	.0017594	-1.06	0.296	-.0053871	.0016708
st_MD	.0176576	.0021121	8.36	0.000	.0134213	.0218939
st_ME	.0121485	.0020813	5.84	0.000	.0079739	.0163231
st_MI	.0024485	.0018376	1.33	0.188	-.0012372	.0061342
st_MN	.0109188	.0020156	5.42	0.000	.0068759	.0149617
st_MO	-.0029988	.0018505	-1.62	0.111	-.0067104	.0007129
st_MS	.0022259	.0018798	1.18	0.242	-.0015445	.0059962
st_MT	-.0074707	.0019591	-3.81	0.000	-.0114002	-.0035412
st_NC	.0008015	.0021875	0.37	0.716	-.003586	.005189
st_ND	-.0136178	.0019827	-6.87	0.000	-.0175945	-.009641
st_NE	.0059799	.0020426	2.93	0.005	.001883	.0100769
st_NH	.0048383	.0020194	2.40	0.020	.0007878	.0088887
st_NJ	.0059695	.0018779	3.18	0.002	.0022028	.0097362
st_NM	.0047702	.0018728	2.55	0.014	.0010139	.0085265
st_NV	.0017471	.0018989	0.92	0.362	-.0020617	.0055559
st_NY	-.004704	.0017068	-2.76	0.008	-.0081274	-.0012806
st_OH	.0058614	.0020773	2.82	0.007	.0016949	.0100279
st_OK	-.0091677	.0017761	-5.16	0.000	-.0127302	-.0056053
st_OR	-.0011246	.0016937	-0.66	0.510	-.0045217	.0022725
st_PA	.0114938	.0021005	5.47	0.000	.0072807	.0157069
st_PR	-.002771	.002629	-1.05	0.297	-.0080442	.0025021
st_RI	.0169123	.0022055	7.67	0.000	.0124886	.021336
st_SC	-.0092438	.0018437	-5.01	0.000	-.0129418	-.0055458
st_SD	-.0075972	.0020009	-3.80	0.000	-.0116104	-.003584
st_TN	-.0027635	.0019223	-1.44	0.156	-.0066192	.0010921
st_TX	.01197	.0021079	5.68	0.000	.007742	.016198
st_UT	.0072139	.0020192	3.57	0.001	.003164	.0112639
st_VA	.0028122	.0018934	1.49	0.143	-.0009855	.00661
st_VT	.0045758	.001814	2.52	0.015	.0009374	.0082143
st_WA	.0164288	.002021	8.13	0.000	.0123751	.0204824
st_WI	-.0148846	.0017326	-8.59	0.000	-.0183597	-.0114095
st_WV	.0081424	.0022041	3.69	0.001	.0037216	.0125633
st_WY	-.0088221	.0020038	-4.40	0.000	-.0128413	-.0048029
pial	-.0000119	4.27e-06	-2.78	0.007	-.0000204	-3.32e-06
pia_miss	-.0229668	.0037796	-6.08	0.000	-.0305478	-.0153859
ime1	6.83e-06	1.30e-06	5.25	0.000	4.22e-06	9.44e-06
ime_miss	-.0019936	.0019652	-1.01	0.315	-.0059354	.0019481
phase2_st	.0096791	.0031322	3.09	0.003	.0033967	.0159614
_cons	.0512922	.0075085	6.83	0.000	.036232	.0663524

(1) motoimm = 0

F(1, 53) = 0.32
 Prob > F = 0.5744

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > nounemp.xls
 dir : seeout

Linear regression

Number of obs = 191818
 F(48, 53) = .
 Prob > F = .
 R-squared = 0.1149
 Root MSE = .20796

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0001329	.0001841	-0.72	0.473	-.0005022	.0002363
int_motoimm	-.0000876	.0002607	-0.34	0.738	-.0006105	.0004353
male	.0068218	.0010927	6.24	0.000	.0046301	.0090136
gendermiss_flag	-.0459551	.0105439	-4.36	0.000	-.0671035	-.0248066
tsd_age	-.0016106	.000154	-10.46	0.000	-.0019195	-.0013017
doage2	-.0002924	.000115	-2.54	0.014	-.000523	-.0000617
doage2miss_flag	-.0964581	.034687	-2.78	0.007	-.1660313	-.0268848
race_a	.0006048	.0030223	0.20	0.842	-.0054571	.0066668
race_b	.0153967	.0017108	9.00	0.000	.0119653	.018828
race_h	.0065186	.0021137	3.08	0.003	.0022792	.0107581
race_i	.0104356	.005431	1.92	0.060	-.0004577	.0213288
race_o	.0144063	.0052618	2.74	0.008	.0038525	.0249602
race_mis	.0042134	.0043781	0.96	0.340	-.0045679	.0129947
tsd_edu_hs	.0066383	.0011963	5.55	0.000	.0042388	.0090377
tsd_edu_mrhs	.0221227	.0015406	14.36	0.000	.0190326	.0252128
tsd_edu_mis	.0130563	.0012425	10.51	0.000	.0105641	.0155486
tsd_mie_exp	.0031859	.0028988	1.10	0.277	-.0026283	.0090001
tsd_mie_mis	-.0042367	.0013887	-3.05	0.004	-.0070222	-.0014513
tsd_mie_psbl	-.0017367	.0012175	-1.43	0.160	-.0041788	.0007054
tsd_medicare	-.0119437	.0018357	-6.51	0.000	-.0156256	-.0082618
tsd_medicare_miss	-.0210316	.0043373	-4.85	0.000	-.0297311	-.012332
tsd_depend_1	-.0051804	.0014678	-3.53	0.001	-.0081244	-.0022363
tsd_depend_2	-.0005014	.0016346	-0.31	0.760	-.00378	.0027771
tsd_depend_miss	-.0121314	.0038308	-3.17	0.003	-.0198151	-.0044478
tsd_vrpr	.0053424	.0032983	1.62	0.111	-.0012732	.0119579
tsd_vrpr_miss	-.0137574	.0030904	-4.45	0.000	-.0199558	-.0075589
pdcgrou2	-.0120919	.0022261	-5.43	0.000	-.0165569	-.007627
pdcgrou3	.0047404	.0013009	3.64	0.001	.0021312	.0073495
pdcgrou4	.0007192	.0017052	0.42	0.675	-.0027011	.0041395
pdcgrou5	-.009354	.0101278	-0.92	0.360	-.0296679	.0109598
cohort2000	-.0007873	.0016046	-0.49	0.626	-.0040057	.0024312
cohort2001	.0034292	.0033904	1.01	0.316	-.0033711	.0102294
cohort2002	.0009643	.0049264	0.20	0.846	-.0089168	.0108455
cohort2003	.0069733	.0069248	1.01	0.319	-.0069161	.0208627
cohort2004	.0190392	.0115082	1.65	0.104	-.0040434	.0421218
award_b4_tsd	.0158752	.0073643	2.16	0.036	.0011042	.0306462
diaward_tsd	-.0005664	.000161	-3.52	0.001	-.0008894	-.0002435
epeb4twp_flag	-.0591999	.1190288	-0.50	0.621	-.2979415	.1795416
ldwb4twp_flag	.3840436	.0678713	5.66	0.000	.2479111	.5201762
ldwb4epe_flag	.3820247	.0271691	14.06	0.000	.3275305	.436519
twpb4tsd	.2452489	.0089022	27.55	0.000	.2273935	.2631044
epeb4tsd	.0489972	.004373	11.20	0.000	.040226	.0577684
ldwb4tsd	-.1635438	.0154893	-10.56	0.000	-.1946115	-.1324761
st_AL	-.0007923	.0053384	-0.15	0.883	-.0114998	.0099152
st_AR	-.0129784	.0052449	-2.47	0.017	-.0234983	-.0024585
st_AZ	.0003422	.0051183	0.07	0.947	-.0099238	.0106081
st_CA	.0228226	.0053217	4.29	0.000	.0121487	.0334965
st_CO	-.0113042	.0051326	-2.20	0.032	-.0215989	-.0010095
st_CT	-.0041489	.0052046	-0.80	0.429	-.0145881	.0062902
st_DC	.0135331	.005288	2.56	0.013	.0029268	.0241394
st_DE	.0051852	.0051089	1.01	0.315	-.005062	.0154324
st_FL	-.0075848	.0050906	-1.49	0.142	-.0177953	.0026257
st_GA	.0019527	.0051849	0.38	0.708	-.0084468	.0123522
st_HI	.0170386	.0054575	3.12	0.003	.0060923	.027985
st_IA	-.0393388	.0052293	-7.52	0.000	-.0498275	-.0288501
st_ID	.0029191	.0054709	0.53	0.596	-.0080542	.0138923
st_IL	-.0132461	.0051743	-2.56	0.013	-.0236243	-.0028678
st_IN	-.0077032	.0052278	-1.47	0.147	-.0181887	.0027824
st_KS	-.0021078	.005238	-0.40	0.689	-.0126139	.0083983
st_KY	-.0142032	.0052316	-2.71	0.009	-.0246964	-.00371

st_LA	.0001863	.0052074	0.04	0.972	-.0102584	.010631
st_MA	.0089885	.0051978	1.73	0.090	-.0014369	.019414
st_MD	.0161452	.0053407	3.02	0.004	.0054332	.0268573
st_ME	.0155781	.0053892	2.89	0.006	.0047688	.0263874
st_MI	-.0022867	.0051841	-0.44	0.661	-.0126847	.0081114
st_MN	.0126892	.0054512	2.33	0.024	.0017555	.0236228
st_MO	-.0112339	.0052084	-2.16	0.036	-.0216805	-.0007873
st_MS	-.0017663	.0051743	-0.34	0.734	-.0121446	.0086119
st_MT	-.0037143	.0052595	-0.71	0.483	-.0142636	.006835
st_NC	-.0044885	.0053569	-0.84	0.406	-.0152332	.0062561
st_ND	-.0210421	.005293	-3.98	0.000	-.0316584	-.0104257
st_NE	.0024119	.0054018	0.45	0.657	-.0084228	.0132465
st_NH	.0053574	.0052387	1.02	0.311	-.00515	.0158648
st_NJ	.0043905	.0052154	0.84	0.404	-.0060702	.0148512
st_NM	.0015565	.0052307	0.30	0.767	-.0089349	.012048
st_NV	-.000346	.0052091	-0.07	0.947	-.010794	.0101021
st_NY	-.0045442	.0051196	-0.89	0.379	-.0148129	.0057244
st_OH	.0016658	.0053899	0.31	0.758	-.0091449	.0124765
st_OK	.0239721	.0051086	4.69	0.000	.0137255	.0342187
st_OR	-.0103961	.005129	-2.03	0.048	-.0206836	-.0001086
st_PA	.0094416	.0053585	1.76	0.084	-.0013062	.0201894
st_PR	-.0127857	.0055156	-2.32	0.024	-.0238486	-.0017228
st_RI	.0167656	.0053629	3.13	0.003	.0060089	.0275222
st_SC	-.0231514	.0051122	-4.53	0.000	-.0334053	-.0128975
st_SD	-.0186023	.0052803	-3.52	0.001	-.0291932	-.0080115
st_TN	-.0088891	.0052199	-1.70	0.094	-.0193589	.0015807
st_TX	.0104004	.0053568	1.94	0.058	-.000344	.0211447
st_UT	.0024954	.0053838	0.46	0.645	-.0083032	.0132939
st_VA	.0003251	.0052177	0.06	0.951	-.0101402	.0107904
st_VT	.0049674	.0052552	0.95	0.349	-.0055732	.0155079
st_WA	.0142433	.005346	2.66	0.010	.0035205	.024966
st_WI	-.0125868	.0051764	-2.43	0.018	-.0229694	-.0022041
st_WV	.0031479	.0053448	0.59	0.558	-.0075724	.0138682
st_WY	-.0102285	.0054201	-1.89	0.065	-.0210999	.0006428
pial	-7.19e-06	5.58e-06	-1.29	0.204	-.0000184	4.01e-06
pia_miss	-.0208471	.0047073	-4.43	0.000	-.0302886	-.0114055
ime1	5.87e-06	1.76e-06	3.34	0.002	2.34e-06	9.39e-06
ime_miss	-.0114271	.0024929	-4.58	0.000	-.0164272	-.006427
phase2_st	.0078076	.0038731	2.02	0.049	.0000392	.015576
_cons	.1127251	.0123872	9.10	0.000	.0878794	.1375708

(1) motoimm = 0

F(1, 53) = 0.52
 Prob > F = 0.4734

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > nounemp.xls
 dir : seeout

Linear regression

Number of obs = 191818
 F(48, 53) = .
 Prob > F = .
 R-squared = 0.1095
 Root MSE = .23356

(Std. Err. adjusted for 54 clusters in tsd_state)

ldwroll148	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
------------	-------	------------------	---	------	----------------------

motoimm	-.0001438	.000184	-0.78	0.438	-.0005129	.0002253
int_motoimm	-.0002859	.0003242	-0.88	0.382	-.000936	.0003643
male	.0088591	.0012364	7.16	0.000	.0063791	.0113391
gendermiss_flag	-.0646097	.0149892	-4.31	0.000	-.0946742	-.0345452
tsd_age	-.0023338	.0002069	-11.28	0.000	-.0027488	-.0019187
doage2	-.0002674	.000144	-1.86	0.069	-.0005562	.0000213
doage2miss_flag	-.1076894	.0212203	-5.07	0.000	-.150252	-.0651268
race_a	-.0024453	.0037728	-0.65	0.520	-.0100125	.005122
race_b	.0215525	.0020798	10.36	0.000	.017381	.025724
race_h	.0073537	.0032923	2.23	0.030	.0007503	.0139571
race_i	.0126173	.0070271	1.80	0.078	-.0014771	.0267118
race_o	.0173346	.0060891	2.85	0.006	.0051215	.0295477
race_mis	.0024276	.0053011	0.46	0.649	-.0082052	.0130603
tsd_edu_hs	.0072155	.0015402	4.68	0.000	.0041263	.0103047
tsd_edu_mrhs	.0285908	.0017855	16.01	0.000	.0250096	.0321721
tsd_edu_mis	.0150385	.0014799	10.16	0.000	.0120702	.0180068
tsd_mie_exp	.0047803	.0039974	1.20	0.237	-.0032374	.012798
tsd_mie_mis	-.0053979	.001811	-2.98	0.004	-.0090304	-.0017654
tsd_mie_psbl	-.0028457	.0013858	-2.05	0.045	-.0056252	-.0000662
tsd_medicare	-.0135196	.0019118	-7.07	0.000	-.0173542	-.0096849
tsd_medicare_miss	-.0287104	.0057779	-4.97	0.000	-.0402994	-.0171215
tsd_depend_1	-.0047396	.0016757	-2.83	0.007	-.0081007	-.0013785
tsd_depend_2	.002104	.0018782	1.12	0.268	-.0016633	.0058712
tsd_depend_miss	-.0198822	.0047654	-4.17	0.000	-.0294403	-.010324
tsd_vrpr	-.0119012	.0038117	-3.12	0.003	-.0195465	-.0042559
tsd_vrpr_miss	-.0383575	.0046913	-8.18	0.000	-.0477671	-.0289479
pdcgrou2	-.0183665	.0025959	-7.08	0.000	-.0235732	-.0131597
pdcgrou3	.0034076	.0016826	2.03	0.048	.0000328	.0067824
pdcgrou4	-.0020583	.002073	-0.99	0.325	-.0062163	.0020997
pdcgrou5	-.0216948	.01011	-2.15	0.036	-.0419729	-.0014166
cohort2000	-.0027944	.0017204	-1.62	0.110	-.006245	.0006562
cohort2001	-.0008343	.0032062	-0.26	0.796	-.0072651	.0055965
cohort2002	-.0053829	.0048261	-1.12	0.270	-.0150628	.004297
cohort2003	.0021771	.0070177	0.31	0.758	-.0118986	.0162527
cohort2004	.0210561	.0135125	1.56	0.125	-.0060466	.0481589
award_b4_tsd	.0196833	.0077624	2.54	0.014	.0041139	.0352526
diaward_tsd	-.0007569	.0001694	-4.47	0.000	-.0010966	-.0004172
epeb4twp_flag	-.080928	.1195473	-0.68	0.501	-.3207095	.1588535
ldwb4twp_flag	.414146	.0743867	5.57	0.000	.2649452	.5633467
ldwb4epe_flag	.4828621	.0283434	17.04	0.000	.4260124	.5397118
twpb4tsd	.2557029	.0083021	30.80	0.000	.239051	.2723549
epeb4tsd	.0404796	.0048243	8.39	0.000	.0308033	.050156
ldwb4tsd	-.1825156	.0154533	-11.81	0.000	-.213511	-.1515201
st_AL	-.0180835	.0071496	-2.53	0.014	-.0324238	-.0037432
st_AR	-.0257332	.0069766	-3.69	0.001	-.0397266	-.0117399
st_AZ	-.000303	.0068212	-0.04	0.965	-.0139845	.0133786
st_CA	.0137528	.007092	1.94	0.058	-.000472	.0279776
st_CO	-.0270209	.0068337	-3.95	0.000	-.0407275	-.0133142
st_CT	-.0190694	.0069377	-2.75	0.008	-.0329847	-.0051542
st_DC	.0091851	.0071085	1.29	0.202	-.0050727	.0234428
st_DE	-.0125992	.0068252	-1.85	0.070	-.0262888	.0010905
st_FL	-.0101493	.0068155	-1.49	0.142	-.0238194	.0035208
st_GA	-.0109346	.0069152	-1.58	0.120	-.0248047	.0029356
st_HI	.0071214	.0070796	1.01	0.319	-.0070785	.0213213
st_IA	-.0338344	.0069347	-4.88	0.000	-.0477437	-.0199251
st_ID	-.0062879	.0072759	-0.86	0.391	-.0208814	.0083057
st_IL	-.0265902	.0068811	-3.86	0.000	-.040392	-.0127885
st_IN	-.0240745	.0069773	-3.45	0.001	-.0380693	-.0100798
st_KS	-.0121629	.006975	-1.74	0.087	-.0261529	.0018272
st_KY	-.0292531	.0069707	-4.20	0.000	-.0432346	-.0152716
st_LA	-.0114815	.0069343	-1.66	0.104	-.0253899	.0024269
st_MA	.0041641	.0069097	0.60	0.549	-.009695	.0180233
st_MD	.0036022	.0071506	0.50	0.617	-.0107401	.0179446

st_ME	-.0034362	.0071702	-0.48	0.634	-.0178178	.0109453
st_MI	-.0156285	.0069175	-2.26	0.028	-.0295033	-.0017537
st_MN	-.0006352	.0072334	-0.09	0.930	-.0151435	.0138731
st_MO	-.0240681	.0069615	-3.46	0.001	-.0380312	-.0101051
st_MS	-.0153549	.0069367	-2.21	0.031	-.029268	-.0014417
st_MT	-.0272515	.0069668	-3.91	0.000	-.0412251	-.0132778
st_NC	-.0237717	.0071669	-3.32	0.002	-.0381468	-.0093967
st_ND	-.0300487	.0070031	-4.29	0.000	-.0440951	-.0160023
st_NE	-.0107841	.007163	-1.51	0.138	-.0251512	.0035831
st_NH	.0025278	.0069823	0.36	0.719	-.0114769	.0165326
st_NJ	-.0091091	.0069424	-1.31	0.195	-.0230339	.0048156
st_NM	-.0083806	.0069441	-1.21	0.233	-.0223087	.0055476
st_NV	-.0111807	.0069323	-1.61	0.113	-.0250851	.0027237
st_NY	-.0089672	.0068368	-1.31	0.195	-.02268	.0047456
st_OH	-.0138786	.0071767	-1.93	0.058	-.0282732	.0005161
st_OK	.0052474	.0067946	0.77	0.443	-.0083808	.0188757
st_OR	-.0130394	.0068149	-1.91	0.061	-.0267084	.0006296
st_PA	-.0031	.0071424	-0.43	0.666	-.0174258	.0112258
st_PR	-.0348859	.0073101	-4.77	0.000	-.0495481	-.0202237
st_RI	.0039186	.0071341	0.55	0.585	-.0103906	.0182278
st_SC	-.0430854	.0068808	-6.26	0.000	-.0568866	-.0292843
st_SD	-.0368316	.0069649	-5.29	0.000	-.0508014	-.0228618
st_TN	-.0255063	.0069628	-3.66	0.001	-.0394719	-.0115407
st_TX	-.002485	.0071575	-0.35	0.730	-.016841	.0118711
st_UT	-.0076987	.007141	-1.08	0.286	-.0220216	.0066243
st_VA	-.0138099	.00696	-1.98	0.052	-.0277699	.0001501
st_VT	-.0029017	.0069961	-0.41	0.680	-.0169342	.0111308
st_WA	.002853	.00712	0.40	0.690	-.011428	.0171339
st_WI	-.0312924	.0069363	-4.51	0.000	-.0452048	-.01738
st_WV	-.0128267	.0071041	-1.81	0.077	-.0270757	.0014222
st_WY	-.0071756	.0071764	-1.00	0.322	-.0215697	.0072184
pial	-5.99e-06	5.73e-06	-1.04	0.301	-.0000175	5.51e-06
pia_miss	-.0178398	.004859	-3.67	0.001	-.0275857	-.008094
ime1	5.24e-06	1.66e-06	3.17	0.003	1.92e-06	8.56e-06
ime_miss	-.0181135	.0024211	-7.48	0.000	-.0229695	-.0132574
phase2_st	.0042228	.004672	0.90	0.370	-.0051481	.0135937
_cons	.1981308	.0146607	13.51	0.000	.1687252	.2275363

(1) motoimm = 0

F(1, 53) = 0.61
 Prob > F = 0.4381

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > nounemp.xls
 dir : seeout

Linear regression

Number of obs = 191818
 F(48, 53) = .
 Prob > F = .
 R-squared = 0.1210
 Root MSE = .14485

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	.0001528	.0001609	0.95	0.347	-.00017 .0004756
int_motoimm	-.0001019	.000202	-0.50	0.616	-.000507 .0003033
male	.0021065	.0007968	2.64	0.011	.0005082 .0037047

gendermiss_flag	-.0137074	.0035404	-3.87	0.000	-.0208084	-.0066063
tsd_age	-.0003762	.0000913	-4.12	0.000	-.0005593	-.0001931
doage2	-.0002531	.0000849	-2.98	0.004	-.0004234	-.0000828
doage2miss_flag	-.0521259	.0272184	-1.92	0.061	-.1067192	.0024673
race_a	-.0004377	.0028257	-0.15	0.877	-.0061052	.0052299
race_b	.003764	.0011002	3.42	0.001	.0015573	.0059706
race_h	.0000473	.0017151	0.03	0.978	-.0033927	.0034874
race_i	-.0043983	.0032117	-1.37	0.177	-.0108402	.0020436
race_o	.0061121	.0039086	1.56	0.124	-.0017275	.0139517
race_mis	.0002075	.0022882	0.09	0.928	-.0043821	.0047972
tsd_edu_hs	.0025763	.0011404	2.26	0.028	.0002889	.0048638
tsd_edu_mrhs	.0068243	.0012798	5.33	0.000	.0042574	.0093912
tsd_edu_mis	.0065736	.0012623	5.21	0.000	.0040417	.0091055
tsd_mie_exp	-.0017088	.0023625	-0.72	0.473	-.0064473	.0030297
tsd_mie_mis	-.0068513	.0013657	-5.02	0.000	-.0095905	-.004112
tsd_mie_psbl	-.0059087	.0010878	-5.43	0.000	-.0080905	-.0037269
tsd_medicare	-.007883	.0011223	-7.02	0.000	-.010134	-.005632
tsd_medicare_miss	-.0092832	.003347	-2.77	0.008	-.0159963	-.00257
tsd_depend_1	-.0033073	.0010169	-3.25	0.002	-.0053469	-.0012677
tsd_depend_2	-.0016631	.0007535	-2.21	0.032	-.0031745	-.0001516
tsd_depend_miss	-.0080979	.0026786	-3.02	0.004	-.0134705	-.0027253
tsd_vrpr	.0141662	.0017087	8.29	0.000	.0107389	.0175935
tsd_vrpr_miss	.0030255	.0018959	1.60	0.116	-.0007772	.0068282
pdcgrou2	.0014919	.0011745	1.27	0.210	-.0008637	.0038476
pdcgrou3	.0037226	.0012222	3.05	0.004	.0012711	.006174
pdcgrou4	.0030473	.0008518	3.58	0.001	.0013389	.0047557
pdcgrou5	-.0079453	.0035754	-2.22	0.031	-.0151167	-.0007739
cohort2000	-.0029205	.0011731	-2.49	0.016	-.0052734	-.0005675
cohort2001	-.0022844	.0019409	-1.18	0.244	-.0061775	.0016086
cohort2002	-.0010043	.0032153	-0.31	0.756	-.0074534	.0054448
cohort2003	.0039589	.0037662	1.05	0.298	-.0035951	.0115128
cohort2004	.0014352	.0053292	0.27	0.789	-.0092538	.0121241
award_b4_tsd	.0004109	.0033984	0.12	0.904	-.0064055	.0072273
diaward_tsd	-.0003961	.0000915	-4.33	0.000	-.0005796	-.0002126
epeb4twp_flag	.0235274	.0257304	0.91	0.365	-.0280813	.075136
ldwb4twp_flag	.0144117	.0122648	1.18	0.245	-.0101884	.0390119
ldwb4epe_flag	.0965929	.0202109	4.78	0.000	.0560551	.1371308
twpb4tsd	.2071543	.0065407	31.67	0.000	.1940353	.2202733
epeb4tsd	-.0828432	.0081435	-10.17	0.000	-.0991771	-.0665093
ldwb4tsd	-.0479098	.0033755	-14.19	0.000	-.0546803	-.0411394
st_AL	.0072349	.004013	1.80	0.077	-.0008141	.0152839
st_AR	-.005219	.0039783	-1.31	0.195	-.0131984	.0027605
st_AZ	.001526	.0038536	0.40	0.694	-.0062032	.0092553
st_CA	.0126436	.003987	3.17	0.003	.0046467	.0206405
st_CO	-.005261	.0038428	-1.37	0.177	-.0129686	.0024466
st_CT	.007539	.0039598	1.90	0.062	-.0004034	.0154815
st_DC	.0153307	.0040336	3.80	0.000	.0072402	.0234211
st_DE	-.0168218	.003867	-4.35	0.000	-.024578	-.0090655
st_FL	.0011524	.0038296	0.30	0.765	-.0065289	.0088336
st_GA	.00015	.0039532	0.04	0.970	-.007779	.0080791
st_HI	.0061719	.0042632	1.45	0.154	-.0023789	.0147228
st_IA	-.0176801	.0038756	-4.56	0.000	-.0254535	-.0099066
st_ID	.0089984	.0039941	2.25	0.028	.0009873	.0170095
st_IL	-.0069001	.0038759	-1.78	0.081	-.0146742	.0008741
st_IN	.0003475	.0039856	0.09	0.931	-.0076466	.0083415
st_KS	.0054963	.0039736	1.38	0.172	-.0024737	.0134662
st_KY	-.0083283	.0039696	-2.10	0.041	-.0162903	-.0003663
st_LA	.0024754	.003972	0.62	0.536	-.0054914	.0104422
st_MA	.0020531	.0039035	0.53	0.601	-.0057763	.0098825
st_MD	.0181975	.0039805	4.57	0.000	.0102136	.0261814
st_ME	.0156732	.0040548	3.87	0.000	.0075403	.0238061
st_MI	.0062747	.0039578	1.59	0.119	-.0016636	.014213
st_MN	.0162204	.0040414	4.01	0.000	.0081143	.0243265

st_MO	.000515	.0039549	0.13	0.897	-.0074174	.0084475
st_MS	.0012161	.0040066	0.30	0.763	-.0068201	.0092523
st_MT	.0063863	.003967	1.61	0.113	-.0015705	.0143431
st_NC	.0046906	.0039775	1.18	0.244	-.0032872	.0126685
st_ND	.0101145	.0040208	2.52	0.015	.0020499	.0181791
st_NE	.0063953	.0040454	1.58	0.120	-.0017187	.0145092
st_NH	.0139925	.0040098	3.49	0.001	.0059498	.0220352
st_NJ	.0068339	.003932	1.74	0.088	-.0010527	.0147205
st_NM	.0046866	.0039099	1.20	0.236	-.0031556	.0125288
st_NV	.0019583	.00395	0.50	0.622	-.0059644	.009881
st_NY	-.0031487	.0038346	-0.82	0.415	-.0108399	.0045425
st_OH	.0095529	.0040146	2.38	0.021	.0015006	.0176051
st_OK	-.0065365	.0038525	-1.70	0.096	-.0142635	.0011906
st_OR	-.0172656	.0038901	-4.44	0.000	-.0250682	-.0094631
st_PA	.0119925	.0040241	2.98	0.004	.0039212	.0200639
st_PR	.0017253	.004139	0.42	0.678	-.0065764	.010027
st_RI	.0204981	.0039508	5.19	0.000	.0125737	.0284225
st_SC	.0042974	.0038861	1.11	0.274	-.003497	.0120919
st_SD	.0001573	.0040076	0.04	0.969	-.0078808	.0081955
st_TN	.0011378	.0039657	0.29	0.775	-.0068165	.009092
st_TX	.0098122	.0040167	2.44	0.018	.0017557	.0178688
st_UT	.0122067	.0040422	3.02	0.004	.0040991	.0203143
st_VA	.0028187	.003965	0.71	0.480	-.0051341	.0107715
st_VT	-.0226978	.0039359	-5.77	0.000	-.0305922	-.0148034
st_WA	.0136102	.0040278	3.38	0.001	.0055315	.021689
st_WI	-.0029482	.0038762	-0.76	0.450	-.0107229	.0048265
st_WV	.0043289	.0040513	1.07	0.290	-.003797	.0124548
st_WY	.0191532	.0040421	4.74	0.000	.0110458	.0272606
pial	-.000011	3.48e-06	-3.16	0.003	-.000018	-4.03e-06
pia_miss	-.0162483	.003277	-4.96	0.000	-.0228211	-.0096755
ime1	3.86e-06	1.12e-06	3.43	0.001	1.60e-06	6.11e-06
ime_miss	-.0011881	.0014955	-0.79	0.430	-.0041877	.0018114
phase2_st	.0055578	.0031799	1.75	0.086	-.0008203	.0119359
_cons	.038664	.006187	6.25	0.000	.0262544	.0510736

(1) motoimm = 0

F(1, 53) = 0.90
 Prob > F = 0.3467

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > nounemp.xls
 dir : seeout

Linear regression

Number of obs = 191818
 F(48, 53) = .
 Prob > F = .
 R-squared = 0.1245
 Root MSE = .20005

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0001881	.0001556	-1.21	0.232	-.0005001	.000124
int_motoimm	.0001754	.0002312	0.76	0.452	-.0002884	.0006392
male	.0025943	.00112	2.32	0.024	.0003479	.0048406
gendermiss_flag	-.0392704	.0115767	-3.39	0.001	-.0624904	-.0160504
tsd_age	-.0011961	.0001125	-10.63	0.000	-.0014217	-.0009705
doage2	-.0002566	.0001258	-2.04	0.046	-.000509	-4.17e-06

doage2miss_flag	-.07376	.0193992	-3.80	0.000	-.1126699	-.0348502
race_a	.0033113	.0036124	0.92	0.363	-.0039341	.0105568
race_b	.0107538	.001603	6.71	0.000	.0075386	.0139691
race_h	-.0004407	.0014259	-0.31	0.758	-.0033008	.0024193
race_i	-.0059897	.0047222	-1.27	0.210	-.0154612	.0034819
race_o	.0068234	.0059543	1.15	0.257	-.0051194	.0187662
race_mis	.0004871	.0032507	0.15	0.881	-.0060329	.0070072
tsd_edu_hs	.0032352	.0011019	2.94	0.005	.001025	.0054455
tsd_edu_mrhs	.0159428	.0015898	10.03	0.000	.0127541	.0191315
tsd_edu_mis	.0113868	.0013307	8.56	0.000	.0087178	.0140558
tsd_mie_exp	-.0040781	.0031025	-1.31	0.194	-.0103009	.0021446
tsd_mie_mis	-.0108764	.0017568	-6.19	0.000	-.0144	-.0073528
tsd_mie_psbl	-.0083246	.0011892	-7.00	0.000	-.0107098	-.0059394
tsd_medicare	-.0128398	.0016894	-7.60	0.000	-.0162282	-.0094513
tsd_medicare_miss	-.0210645	.005457	-3.86	0.000	-.0320098	-.0101192
tsd_depend_1	-.0054093	.0014123	-3.83	0.000	-.0082421	-.0025765
tsd_depend_2	-.0032121	.0011035	-2.91	0.005	-.0054256	-.0009987
tsd_depend_miss	-.01986	.0045531	-4.36	0.000	-.0289923	-.0107276
tsd_vrpr	.008014	.0033453	2.40	0.020	.0013041	.0147239
tsd_vrpr_miss	-.0207823	.0034436	-6.04	0.000	-.0276892	-.0138753
pdcgrou2	-.0029832	.0017526	-1.70	0.095	-.0064984	.0005321
pdcgrou3	.0023698	.001477	1.60	0.115	-.0005927	.0053323
pdcgrou4	.0003179	.0012579	0.25	0.801	-.0022051	.0028409
pdcgrou5	-.010677	.0082712	-1.29	0.202	-.027267	.0059131
cohort2000	-.007188	.001641	-4.38	0.000	-.0104795	-.0038964
cohort2001	-.0097174	.003055	-3.18	0.002	-.0158451	-.0035898
cohort2002	-.0091327	.0044558	-2.05	0.045	-.0180698	-.0001955
cohort2003	-.0009055	.0053929	-0.17	0.867	-.0117222	.0099112
cohort2004	-.0011745	.0094491	-0.12	0.902	-.0201271	.017778
award_b4_tsd	.0109601	.006186	1.77	0.082	-.0014473	.0233676
diaward_tsd	-.0007992	.00015	-5.33	0.000	-.0011001	-.0004983
epeb4twp_flag	.0342349	.0349062	0.98	0.331	-.0357781	.104248
ldwb4twp_flag	.0115305	.0172934	0.67	0.508	-.0231556	.0462166
ldwb4epe_flag	.2428489	.0268472	9.05	0.000	.1890002	.2966975
twpb4tsd	.2732126	.0065064	41.99	0.000	.2601624	.2862628
epeb4tsd	-.1280574	.0095938	-13.35	0.000	-.1473001	-.1088146
ldwb4tsd	-.0750765	.0042365	-17.72	0.000	-.0835739	-.0665791
st_AL	.0052562	.0036707	1.43	0.158	-.0021064	.0126188
st_AR	-.0137583	.0031692	-4.34	0.000	-.0201149	-.0074017
st_AZ	-.0079138	.003028	-2.61	0.012	-.0139872	-.0018405
st_CA	.0168562	.0035547	4.74	0.000	.0097264	.023986
st_CO	-.0215216	.0030073	-7.16	0.000	-.0275534	-.0154898
st_CT	.0128926	.0031361	4.11	0.000	.0066025	.0191828
st_DC	.0241922	.0032383	7.47	0.000	.0176971	.0306874
st_DE	-.0118382	.0030472	-3.88	0.000	-.0179501	-.0057263
st_FL	-.0062009	.0030318	-2.05	0.046	-.012282	-.0001198
st_GA	-.0079428	.0031389	-2.53	0.014	-.0142385	-.001647
st_HI	.0152381	.0032856	4.64	0.000	.008648	.0218281
st_IA	-.0071751	.0030559	-2.35	0.023	-.0133045	-.0010457
st_ID	.0111483	.00363	3.07	0.003	.0038675	.0184292
st_IL	-.0076148	.0030977	-2.46	0.017	-.013828	-.0014015
st_IN	-.0043014	.0031723	-1.36	0.181	-.0106642	.0020615
st_KS	.0062395	.0031572	1.98	0.053	-.000093	.012572
st_KY	-.0184959	.0031537	-5.86	0.000	-.0248213	-.0121704
st_LA	-.0022093	.0031666	-0.70	0.488	-.0085606	.004142
st_MA	.006965	.0031532	2.21	0.032	.0006405	.0132894
st_MD	.0227188	.003611	6.29	0.000	.0154761	.0299616
st_ME	.0229398	.003612	6.35	0.000	.015695	.0301846
st_MI	.0012906	.0031119	0.41	0.680	-.004951	.0075323
st_MN	.0291708	.0035781	8.15	0.000	.021994	.0363476
st_MO	-.0085226	.0031235	-2.73	0.009	-.0147877	-.0022576
st_MS	-.0076035	.0032103	-2.37	0.022	-.0140426	-.0011645
st_MT	-.004531	.0031337	-1.45	0.154	-.0108165	.0017545

st_NC	.0005754	.0036348	0.16	0.875	-.0067151	.0078658
st_ND	.0038088	.0032304	1.18	0.244	-.0026706	.0102881
st_NE	.0082828	.0035916	2.31	0.025	.0010789	.0154867
st_NH	.0130085	.0032017	4.06	0.000	.0065867	.0194302
st_NJ	.0013178	.003107	0.42	0.673	-.004914	.0075496
st_NM	.0042305	.0030988	1.37	0.178	-.0019849	.0104459
st_NV	-.0030149	.0030707	-0.98	0.331	-.0091739	.0031441
st_NY	-.0045606	.0030626	-1.49	0.142	-.0107034	.0015821
st_OH	.0101545	.0036256	2.80	0.007	.0028824	.0174266
st_OK	-.0013932	.0030023	-0.46	0.645	-.0074151	.0046287
st_OR	-.0292029	.0030397	-9.61	0.000	-.0352998	-.0231059
st_PA	.0135089	.0036326	3.72	0.000	.0062228	.020795
st_PR	-.0073331	.0039436	-1.86	0.069	-.015243	.0005768
st_RI	.0356752	.0036669	9.73	0.000	.0283203	.04303
st_SC	-.0126702	.0031266	-4.05	0.000	-.0189414	-.0063991
st_SD	.0036203	.0031626	1.14	0.257	-.002723	.0099635
st_TN	-.0066136	.003162	-2.09	0.041	-.0129557	-.0002715
st_TX	.0104972	.0036291	2.89	0.006	.0032182	.0177762
st_UT	.011328	.0036029	3.14	0.003	.0041015	.0185546
st_VA	-.0000596	.0031435	-0.02	0.985	-.0063647	.0062455
st_VT	-.051126	.0031516	-16.22	0.000	-.0574473	-.0448047
st_WA	.0183086	.0035589	5.14	0.000	.0111705	.0254468
st_WI	.0087993	.0031019	2.84	0.006	.0025777	.015021
st_WV	.0086688	.0036587	2.37	0.021	.0013303	.0160073
st_WY	.0197851	.0036437	5.43	0.000	.0124767	.0270935
pial	-6.79e-06	4.57e-06	-1.49	0.143	-.000016	2.37e-06
pia_miss	-.0108502	.0050252	-2.16	0.035	-.0209295	-.0007709
ime1	3.67e-06	1.35e-06	2.72	0.009	9.68e-07	6.37e-06
ime_miss	-.0126562	.0022509	-5.62	0.000	-.017171	-.0081415
phase2_st	.004339	.0043428	1.00	0.322	-.0043715	.0130495
_cons	.1301136	.0099462	13.08	0.000	.110164	.1500631

(1) motoimm = 0

F(1, 53) = 1.46
 Prob > F = 0.2321

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > nounemp.xls
 dir : seeout

Linear regression

Number of obs = 191818
 F(48, 53) = .
 Prob > F = .
 R-squared = 0.1231
 Root MSE = .2358

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll136	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0002849	.0001829	-1.56	0.125	-.0006517 .0000819
int_motoimm	.000251	.0002797	0.90	0.374	-.00031 .0008119
male	.0035543	.0015477	2.30	0.026	.00045 .0066587
gendermiss_flag	-.0649061	.0200899	-3.23	0.002	-.1052013 -.0246109
tsd_age	-.002073	.0001474	-14.06	0.000	-.0023687 -.0017773
doage2	-.0002453	.0001402	-1.75	0.086	-.0005266 .000036
doage2miss_flag	-.0857915	.0059812	-14.34	0.000	-.0977882 -.0737947
race_a	.0011978	.0053851	0.22	0.825	-.0096033 .011999
race_b	.0164992	.0017864	9.24	0.000	.0129161 .0200823

race_h	-.0019657	.0015494	-1.27	0.210	-.0050735	.0011421
race_i	.0020271	.0069238	0.29	0.771	-.0118604	.0159146
race_o	.0030733	.006388	0.48	0.632	-.0097394	.015886
race_mis	-.001371	.004413	-0.31	0.757	-.0102224	.0074804
tsd_edu_hs	.0059422	.001253	4.74	0.000	.0034289	.0084554
tsd_edu_mrhs	.0229325	.0016395	13.99	0.000	.019644	.026221
tsd_edu_mis	.0140533	.0015635	8.99	0.000	.0109173	.0171892
tsd_mie_exp	-.0038226	.0039643	-0.96	0.339	-.011774	.0041288
tsd_mie_mis	-.0125037	.0023739	-5.27	0.000	-.0172651	-.0077424
tsd_mie_psbl	-.0102362	.0016197	-6.32	0.000	-.0134848	-.0069875
tsd_medicare	-.018036	.0020718	-8.71	0.000	-.0221915	-.0138806
tsd_medicare_miss	-.0268938	.0071977	-3.74	0.000	-.0413306	-.012457
tsd_depend_1	-.0068417	.0017796	-3.84	0.000	-.0104112	-.0032723
tsd_depend_2	-.0026427	.0012885	-2.05	0.045	-.0052271	-.0000583
tsd_depend_miss	-.0262903	.0054914	-4.79	0.000	-.0373047	-.0152759
tsd_vrpr	-.0133812	.0047226	-2.83	0.007	-.0228536	-.0039088
tsd_vrpr_miss	-.0561087	.0050332	-11.15	0.000	-.0662041	-.0460134
pdcgrou2	-.0096331	.0024477	-3.94	0.000	-.0145426	-.0047236
pdcgrou3	.0000654	.0019177	0.03	0.973	-.0037809	.0039118
pdcgrou4	-.0038713	.0017214	-2.25	0.029	-.007324	-.0004187
pdcgrou5	-.0133906	.0121344	-1.10	0.275	-.0377291	.0109479
cohort2000	-.0107405	.0020359	-5.28	0.000	-.014824	-.0066571
cohort2001	-.012664	.0035988	-3.52	0.001	-.0198823	-.0054458
cohort2002	-.0132228	.0054079	-2.45	0.018	-.0240697	-.0023758
cohort2003	-.00522	.0058104	-0.90	0.373	-.0168741	.0064342
cohort2004	.0173886	.0115419	1.51	0.138	-.0057616	.0405387
award_b4_tsd	.019927	.00683	2.92	0.005	.0062277	.0336264
diaward_tsd	-.0009369	.0001716	-5.46	0.000	-.001281	-.0005928
epeb4twp_flag	.04345	.0392864	1.11	0.274	-.0353485	.1222486
ldwb4twp_flag	.003114	.0205896	0.15	0.880	-.0381836	.0444116
ldwb4epe_flag	.3682623	.0240626	15.30	0.000	.3199987	.4165258
twpb4tsd	.300011	.0064491	46.52	0.000	.2870759	.3129462
epeb4tsd	-.1605199	.0091961	-17.46	0.000	-.1789649	-.1420749
ldwb4tsd	-.0917172	.0044851	-20.45	0.000	-.1007132	-.0827211
st_AL	-.0099265	.0063439	-1.56	0.124	-.0226508	.0027978
st_AR	-.0210076	.0063794	-3.29	0.002	-.0338031	-.0082121
st_AZ	-.0216083	.0062066	-3.48	0.001	-.0340572	-.0091594
st_CA	.0104636	.0062465	1.68	0.100	-.0020654	.0229926
st_CO	-.0222051	.0062042	-3.58	0.001	-.0346492	-.009761
st_CT	.0104947	.0062997	1.67	0.102	-.0021409	.0231304
st_DC	.0121605	.006449	1.89	0.065	-.0007744	.0250955
st_DE	-.0422881	.0062066	-6.81	0.000	-.054737	-.0298391
st_FL	-.0144691	.0061333	-2.36	0.022	-.026771	-.0021673
st_GA	-.0139814	.0062713	-2.23	0.030	-.02656	-.0014028
st_HI	.0068238	.0065189	1.05	0.300	-.0062514	.019899
st_IA	.0145264	.0062153	2.34	0.023	.00206	.0269927
st_ID	.0008292	.0063201	0.13	0.896	-.0118473	.0135057
st_IL	-.0049743	.0062339	-0.80	0.428	-.0174778	.0075293
st_IN	-.0110109	.006366	-1.73	0.090	-.0237794	.0017577
st_KS	.0018304	.006346	0.29	0.774	-.0108982	.0145589
st_KY	-.0315501	.0063627	-4.96	0.000	-.0443121	-.0187882
st_LA	-.0096373	.0063375	-1.52	0.134	-.0223486	.0030741
st_MA	.0135692	.0062867	2.16	0.035	.0009597	.0261787
st_MD	.0124831	.0062729	1.99	0.052	-.0000987	.025065
st_ME	.0164373	.0063636	2.58	0.013	.0036735	.0292011
st_MI	-.0067216	.0063048	-1.07	0.291	-.0193674	.0059243
st_MN	.0208932	.0063764	3.28	0.002	.0081037	.0336826
st_MO	-.0179668	.0063295	-2.84	0.006	-.0306622	-.0052713
st_MS	-.0180818	.0063693	-2.84	0.006	-.0308569	-.0053067
st_MT	-.0129611	.0063893	-2.03	0.048	-.0257764	-.0001459
st_NC	-.0120902	.0063004	-1.92	0.060	-.0247272	.0005469
st_ND	-.0061312	.0064267	-0.95	0.344	-.0190215	.006759
st_NE	-.0024055	.0063516	-0.38	0.706	-.0151452	.0103341

st_NH	.0231074	.0063816	3.62	0.001	.0103075	.0359073
st_NJ	-.0040293	.0063402	-0.64	0.528	-.0167462	.0086875
st_NM	-.0007052	.0063975	-0.11	0.913	-.0135369	.0121266
st_NV	-.0048107	.0063753	-0.75	0.454	-.0175979	.0079765
st_NY	-.0026336	.0061979	-0.42	0.673	-.015065	.0097977
st_OH	-.0038351	.0063296	-0.61	0.547	-.0165306	.0088605
st_OK	.0065255	.0061649	1.06	0.295	-.0058397	.0188906
st_OR	-.0200158	.0062883	-3.18	0.002	-.0326286	-.007403
st_PA	.0021358	.0063126	0.34	0.736	-.0105257	.0147972
st_PR	-.0254271	.0063152	-4.03	0.000	-.0380938	-.0127604
st_RI	.0298289	.0062031	4.81	0.000	.0173872	.0422706
st_SC	-.0293354	.0062614	-4.69	0.000	-.041894	-.0167767
st_SD	-.0155335	.0064204	-2.42	0.019	-.0284112	-.0026558
st_TN	-.0186143	.006361	-2.93	0.005	-.0313727	-.0058558
st_TX	-.0022731	.0063377	-0.36	0.721	-.0149849	.0104387
st_UT	-.0001378	.0063924	-0.02	0.983	-.0129593	.0126838
st_VA	-.0051464	.0063566	-0.81	0.422	-.017896	.0076033
st_VT	-.0420483	.006388	-6.58	0.000	-.0548611	-.0292355
st_WA	.0094697	.0063202	1.50	0.140	-.0032069	.0221463
st_WI	-.0068482	.0061922	-1.11	0.274	-.0192681	.0055717
st_WV	-.0041652	.0063437	-0.66	0.514	-.016889	.0085586
st_WY	-.0011863	.0063672	-0.19	0.853	-.0139573	.0115848
pial	1.68e-06	6.42e-06	0.26	0.794	-.0000112	.0000146
pia_miss	-.0053005	.0063842	-0.83	0.410	-.0181057	.0075046
ime1	6.03e-07	1.55e-06	0.39	0.699	-2.51e-06	3.72e-06
ime_miss	-.026351	.002636	-10.00	0.000	-.0316382	-.0210638
phase2_st	-.0012477	.0047157	-0.26	0.792	-.0107062	.0082107
_cons	.2339125	.0127218	18.39	0.000	.2083957	.2594292

(1) motoimm = 0

F(1, 53) = 2.43
 Prob > F = 0.1252

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > nounemp.xls
 dir : seeout

Linear regression

Number of obs = 191818
 F(48, 53) = .
 Prob > F = .
 R-squared = 0.1192
 Root MSE = .2572

(Std. Err. adjusted for 54 clusters in tsd_state)

eperoll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0003741	.0001761	-2.12	0.038	-.0007272 -.000021
int_motoimm	.0003154	.000362	0.87	0.387	-.0004107 .0010416
male	.0033199	.0015092	2.20	0.032	.0002929 .006347
gendermiss_flag	-.0827939	.0268126	-3.09	0.003	-.1365731 -.0290146
tsd_age	-.0026862	.0001921	-13.98	0.000	-.0030715 -.0023009
doage2	-.0001781	.0001706	-1.04	0.301	-.0005202 .000164
doage2miss_flag	-.0885891	.013443	-6.59	0.000	-.1155523 -.0616259
race_a	-.000289	.0075232	-0.04	0.969	-.0153787 .0148006
race_b	.017178	.0018769	9.15	0.000	.0134135 .0209425
race_h	-.0015978	.0016966	-0.94	0.351	-.0050008 .0018051
race_i	.0029681	.0085306	0.35	0.729	-.0141422 .0200784
race_o	.0033396	.0057701	0.58	0.565	-.0082338 .014913

race_mis	-.0063579	.0046542	-1.37	0.178	-.0156931	.0029773
tsd_edu_hs	.007354	.0014132	5.20	0.000	.0045194	.0101886
tsd_edu_mrhs	.0284855	.0016565	17.20	0.000	.025163	.0318081
tsd_edu_mis	.0156719	.001758	8.91	0.000	.0121457	.019198
tsd_mie_exp	-.0035569	.0045842	-0.78	0.441	-.0127517	.0056379
tsd_mie_mis	-.0129495	.0023285	-5.56	0.000	-.01762	-.0082791
tsd_mie_psbl	-.0090561	.0016198	-5.59	0.000	-.012305	-.0058072
tsd_medicare	-.0201669	.0021952	-9.19	0.000	-.0245699	-.0157639
tsd_medicare_miss	-.0342903	.0085953	-3.99	0.000	-.0515302	-.0170504
tsd_depend_1	-.0065581	.0018495	-3.55	0.001	-.0102677	-.0028485
tsd_depend_2	-.0005639	.0012848	-0.44	0.663	-.0031408	.002013
tsd_depend_miss	-.0299895	.0061894	-4.85	0.000	-.0424039	-.0175751
tsd_vrpr	-.031434	.0046563	-6.75	0.000	-.0407733	-.0220947
tsd_vrpr_miss	-.0839913	.0050343	-16.68	0.000	-.0940888	-.0738939
pdcgrou2	-.013021	.0027713	-4.70	0.000	-.0185795	-.0074625
pdcgrou3	-.0018445	.0019964	-0.92	0.360	-.0058488	.0021598
pdcgrou4	-.006133	.0020654	-2.97	0.004	-.0102757	-.0019902
pdcgrou5	-.0249747	.0117919	-2.12	0.039	-.0486264	-.0013231
cohort2000	-.0116598	.002495	-4.67	0.000	-.0166642	-.0066554
cohort2001	-.014203	.0045179	-3.14	0.003	-.0232646	-.0051413
cohort2002	-.0143062	.0066258	-2.16	0.035	-.027596	-.0010164
cohort2003	-.0062439	.0074041	-0.84	0.403	-.0210947	.0086069
cohort2004	.0192752	.0115198	1.67	0.100	-.0038307	.042381
award_b4_tsd	.0277996	.0078206	3.55	0.001	.0121135	.0434858
diaward_tsd	-.0010054	.0002172	-4.63	0.000	-.001441	-.0005698
epeb4twp_flag	.045399	.0408192	1.11	0.271	-.036474	.127272
ldwb4twp_flag	-.0040762	.0218543	-0.19	0.853	-.0479104	.039758
ldwb4epe_flag	.480795	.0245235	19.61	0.000	.4316072	.5299828
twpb4tsd	.3035893	.0063901	47.51	0.000	.2907723	.3164062
epeb4tsd	-.1769389	.0089565	-19.76	0.000	-.1949033	-.1589745
ldwb4tsd	-.1005834	.0045425	-22.14	0.000	-.1096945	-.0914723
st_AL	-.0235089	.0068374	-3.44	0.001	-.037223	-.0097947
st_AR	-.0253366	.006606	-3.84	0.000	-.0385866	-.0120866
st_AZ	-.0247501	.0064767	-3.82	0.000	-.0377407	-.0117596
st_CA	.0028663	.0066165	0.43	0.667	-.0104047	.0161372
st_CO	-.0371818	.0064363	-5.78	0.000	-.0500914	-.0242721
st_CT	.006501	.0064508	1.01	0.318	-.0064377	.0194397
st_DC	.0191059	.0066886	2.86	0.006	.0056904	.0325214
st_DE	-.0318138	.0064387	-4.94	0.000	-.0447281	-.0188995
st_FL	-.0120873	.0063901	-1.89	0.064	-.0249042	.0007296
st_GA	-.0182765	.0064861	-2.82	0.007	-.0312859	-.0052671
st_HI	-.0034666	.0067783	-0.51	0.611	-.0170622	.0101289
st_IA	.0198066	.0064801	3.06	0.004	.006809	.0328041
st_ID	-.0100891	.0067739	-1.49	0.142	-.0236758	.0034976
st_IL	-.0095042	.0064515	-1.47	0.147	-.0224442	.0034358
st_IN	-.0165409	.0065562	-2.52	0.015	-.0296909	-.0033909
st_KS	.0033848	.0065155	0.52	0.606	-.0096837	.0164532
st_KY	-.0367049	.0065706	-5.59	0.000	-.049884	-.0235259
st_LA	-.0086327	.0065557	-1.32	0.194	-.0217818	.0045164
st_MA	.0152686	.0065226	2.34	0.023	.002186	.0283512
st_MD	-.0010091	.0067085	-0.15	0.881	-.0144645	.0124464
st_ME	.0055958	.006886	0.81	0.420	-.0082157	.0194073
st_MI	-.0122378	.0064984	-1.88	0.065	-.0252719	.0007964
st_MN	.0083252	.0068672	1.21	0.231	-.0054486	.022099
st_MO	-.0196203	.0065262	-3.01	0.004	-.0327102	-.0065305
st_MS	-.0225291	.0066059	-3.41	0.001	-.0357788	-.0092794
st_MT	-.0179036	.0065664	-2.73	0.009	-.0310741	-.0047332
st_NC	-.0270837	.0067513	-4.01	0.000	-.040625	-.0135423
st_ND	-.0054703	.0065882	-0.83	0.410	-.0186845	.0077439
st_NE	-.0085852	.0068339	-1.26	0.215	-.0222922	.0051218
st_NH	.0353433	.006556	5.39	0.000	.0221936	.048493
st_NJ	-.0066497	.0065188	-1.02	0.312	-.0197247	.0064254
st_NM	-.0002404	.0065775	-0.04	0.971	-.0134332	.0129523

st_NV	-.0117396	.0065598	-1.79	0.079	-.0248968	.0014176
st_NY	-.0008719	.0064367	-0.14	0.893	-.0137823	.0120384
st_OH	-.0160361	.0068229	-2.35	0.023	-.0297212	-.002351
st_OK	.0010959	.0064223	0.17	0.865	-.0117857	.0139775
st_OR	.0028642	.0065222	0.44	0.662	-.0102176	.015946
st_PA	-.005573	.0067984	-0.82	0.416	-.0192088	.0080629
st_PR	-.0425174	.0067567	-6.29	0.000	-.0560696	-.0289653
st_RI	.0212319	.0065885	3.22	0.002	.0080169	.0344468
st_SC	-.0396516	.0065627	-6.04	0.000	-.0528148	-.0264885
st_SD	-.0121979	.0065794	-1.85	0.069	-.0253946	.0009987
st_TN	-.0238976	.0065794	-3.63	0.001	-.0370942	-.0107009
st_TX	-.0125423	.0068238	-1.84	0.072	-.0262292	.0011446
st_UT	-.0106004	.0068712	-1.54	0.129	-.0243822	.0031815
st_VA	-.0061985	.0065666	-0.94	0.349	-.0193695	.0069725
st_VT	.0155108	.0066915	2.32	0.024	.0020895	.0289322
st_WA	-.0020424	.0067605	-0.30	0.764	-.0156021	.0115174
st_WI	-.0065271	.0064709	-1.01	0.318	-.0195062	.006452
st_WV	-.0144893	.0068387	-2.12	0.039	-.028206	-.0007726
st_WY	.0032207	.0068449	0.47	0.640	-.0105084	.0169499
pial	8.98e-06	8.10e-06	1.11	0.272	-7.26e-06	.0000252
pia_miss	-.0000546	.0067643	-0.01	0.994	-.013622	.0135128
ime1	-1.70e-06	2.00e-06	-0.85	0.398	-5.71e-06	2.30e-06
ime_miss	-.0337874	.002895	-11.67	0.000	-.0395939	-.0279808
phase2_st	-.0078783	.0056181	-1.40	0.167	-.0191469	.0033902
_cons	.3046759	.0140653	21.66	0.000	.2764644	.3328873

(1) motoimm = 0

F(1, 53) = 4.52
 Prob > F = 0.0383

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > nounemp.xls
 dir : seeout

Linear regression

Number of obs = 191818
 F(48, 53) = .
 Prob > F = .
 R-squared = 0.0181
 Root MSE = .17913

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	5.30e-06	.0001627	0.03	0.974	-.0003211	.0003316
int_motoimm	-.0001994	.000243	-0.82	0.416	-.0006868	.0002881
male	.0023534	.0010139	2.32	0.024	.0003197	.0043871
gendermiss_flag	-.0418913	.0126162	-3.32	0.002	-.0671961	-.0165865
tsd_age	-.0013282	.0001343	-9.89	0.000	-.0015976	-.0010588
doage2	.0001153	.000115	1.00	0.321	-.0001155	.000346
doage2miss_flag	-.0028876	.0270487	-0.11	0.915	-.0571403	.0513652
race_a	-.0003406	.0034076	-0.10	0.921	-.0071754	.0064943
race_b	.0075867	.001245	6.09	0.000	.0050895	.0100839
race_h	-.0000384	.0010608	-0.04	0.971	-.0021661	.0020894
race_i	-.0038497	.0048273	-0.80	0.429	-.0135321	.0058327
race_o	.0112234	.0069007	1.63	0.110	-.0026175	.0250644
race_mis	-.0017209	.0038594	-0.45	0.657	-.0094619	.0060201
tsd_edu_hs	.0021834	.0009474	2.30	0.025	.0002832	.0040836
tsd_edu_mrhs	.0112219	.0015147	7.41	0.000	.0081839	.0142599

tsd_edu_mis	.0035104	.001373	2.56	0.013	.0007565	.0062643
tsd_mie_exp	.0103172	.0028213	3.66	0.001	.0046583	.0159761
tsd_mie_mis	-.0025286	.0010126	-2.50	0.016	-.0045595	-.0004976
tsd_mie_psbl	.0042467	.00105	4.04	0.000	.0021407	.0063526
tsd_medicare	-.0146185	.0013484	-10.84	0.000	-.0173229	-.011914
tsd_medicare_mis	-.0162747	.004528	-3.59	0.001	-.0253566	-.0071927
tsd_depend_1	-.0038941	.0013588	-2.87	0.006	-.0066196	-.0011686
tsd_depend_2	-.0007685	.0010623	-0.72	0.473	-.0028993	.0013622
tsd_depend_mis	-.0155971	.0033209	-4.70	0.000	-.022258	-.0089363
tsd_vrpr	-.0142926	.0036471	-3.92	0.000	-.0216077	-.0069775
tsd_vrpr_mis	-.0397961	.0032055	-12.42	0.000	-.0462255	-.0333668
pdcgrou2	-.0092254	.0022446	-4.11	0.000	-.0137275	-.0047234
pdcgrou3	-.0071297	.0019181	-3.72	0.000	-.010977	-.0032824
pdcgrou4	-.0063583	.0017415	-3.65	0.001	-.0098513	-.0028653
pdcgrou5	.0059857	.008225	0.73	0.470	-.0105116	.0224829
cohort2000	-.0055281	.0015529	-3.56	0.001	-.0086428	-.0024134
cohort2001	-.006279	.0022104	-2.84	0.006	-.0107125	-.0018456
cohort2002	-.0069256	.0031342	-2.21	0.031	-.0132119	-.0006392
cohort2003	-.0089846	.0037957	-2.37	0.022	-.0165979	-.0013714
cohort2004	-.0123803	.0091816	-1.35	0.183	-.0307963	.0060357
award_b4_tsd	.004729	.0054823	0.86	0.392	-.006267	.015725
diaward_tsd	-.0003755	.000082	-4.58	0.000	-.0005401	-.000211
epeb4twp_flag	.0469365	.0854359	0.55	0.585	-.1244263	.2182992
ldwb4twp_flag	.1059667	.0523911	2.02	0.048	.0008834	.21105
ldwb4epe_flag	.1366807	.0330145	4.14	0.000	.0704619	.2028994
twpb4tsd	-.0138017	.0061044	-2.26	0.028	-.0260456	-.0015578
epeb4tsd	-.0263304	.002221	-11.86	0.000	-.0307851	-.0218757
ldwb4tsd	-.0161371	.0018286	-8.82	0.000	-.0198047	-.0124694
st_AL	-.0021523	.0028977	-0.74	0.461	-.0079643	.0036596
st_AR	-.0104909	.0024024	-4.37	0.000	-.0153095	-.0056723
st_AZ	.0063631	.0023015	2.76	0.008	.0017469	.0109794
st_CA	.0080785	.0027936	2.89	0.006	.0024752	.0136818
st_CO	-.0207156	.0022578	-9.18	0.000	-.0252441	-.0161871
st_CT	.0093829	.0023762	3.95	0.000	.0046168	.014149
st_DC	.0030177	.0025211	1.20	0.237	-.002039	.0080745
st_DE	.0173126	.0022575	7.67	0.000	.0127846	.0218406
st_FL	-.0065438	.0023069	-2.84	0.006	-.0111709	-.0019167
st_GA	-.0050206	.0024373	-2.06	0.044	-.0099093	-.000132
st_HI	.0079103	.0026893	2.94	0.005	.0025162	.0133045
st_IA	.0211507	.0023943	8.83	0.000	.0163483	.0259531
st_ID	.0085208	.0029753	2.86	0.006	.0025531	.0144885
st_IL	-.0079505	.0023281	-3.41	0.001	-.0126202	-.0032809
st_IN	-.0029603	.0023833	-1.24	0.220	-.0077406	.00182
st_KS	.0045765	.0023923	1.91	0.061	-.0002218	.0093748
st_KY	-.0136912	.0024056	-5.69	0.000	-.0185162	-.0088662
st_LA	-.002126	.0024116	-0.88	0.382	-.006963	.002711
st_MA	.0201861	.0024038	8.40	0.000	.0153647	.0250075
st_MD	.0051809	.0028485	1.82	0.075	-.0005324	.0108943
st_ME	.0072363	.0029832	2.43	0.019	.0012527	.0132199
st_MI	-.0008049	.0023668	-0.34	0.735	-.005552	.0039422
st_MN	.007022	.0029648	2.37	0.022	.0010752	.0129687
st_MO	.0005181	.0023719	0.22	0.828	-.0042393	.0052755
st_MS	-.0084808	.0024268	-3.49	0.001	-.0133483	-.0036133
st_MT	-.0040608	.0023487	-1.73	0.090	-.0087717	.0006501
st_NC	-.0021133	.0029017	-0.73	0.470	-.0079334	.0037068
st_ND	-.0108372	.0023333	-4.64	0.000	-.0155173	-.0061572
st_NE	.0025253	.0029531	0.86	0.396	-.0033978	.0084484
st_NH	.0075848	.0024167	3.14	0.003	.0027375	.0124322
st_NJ	.0011587	.0023732	0.49	0.627	-.0036013	.0059187
st_NM	-.0001773	.002306	-0.08	0.939	-.0048025	.0044479
st_NV	.0027897	.0023364	1.19	0.238	-.0018965	.0074758
st_NY	.0019809	.0022714	0.87	0.387	-.0025749	.0065367
st_OH	-.0001025	.0029566	-0.03	0.972	-.0060326	.0058276

st_OK	-.0239479	.0022596	-10.60	0.000	-.02848	-.0194157
st_OR	.0067385	.0024087	2.80	0.007	.0019071	.0115698
st_PA	.0018026	.0029166	0.62	0.539	-.0040473	.0076525
st_PR	-.0154699	.0029382	-5.27	0.000	-.0213632	-.0095766
st_RI	.014745	.0029668	4.97	0.000	.0087943	.0206957
st_SC	-.0258384	.002396	-10.78	0.000	-.0306442	-.0210326
st_SD	-.0020286	.0023237	-0.87	0.387	-.0066892	.0026321
st_TN	-.0078222	.0024099	-3.25	0.002	-.0126557	-.0029886
st_TX	.0007872	.0028714	0.27	0.785	-.0049721	.0065466
st_UT	.0014526	.0029685	0.49	0.627	-.0045015	.0074068
st_VA	-.0004592	.002393	-0.19	0.849	-.0052589	.0043405
st_VT	.0031191	.0024304	1.28	0.205	-.0017556	.0079939
st_WA	.0093307	.0029091	3.21	0.002	.0034958	.0151655
st_WI	-.0027992	.0023953	-1.17	0.248	-.0076035	.0020052
st_WV	-.0015728	.0029957	-0.53	0.602	-.0075814	.0044358
st_WY	.0093782	.0029747	3.15	0.003	.0034116	.0153448
pial	.0000166	3.72e-06	4.45	0.000	9.09e-06	.000024
pia_miss	.0131863	.0040849	3.23	0.002	.004993	.0213795
ime1	-4.24e-06	1.05e-06	-4.05	0.000	-6.34e-06	-2.14e-06
ime_miss	-.01922	.0018752	-10.25	0.000	-.0229811	-.0154589
phase2_st	-.0005897	.0036036	-0.16	0.871	-.0078177	.0066382
_cons	.1334133	.0083022	16.07	0.000	.1167612	.1500655

(1) motoimm = 0

F(1, 53) = 0.00
 Prob > F = 0.9742

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > nounemp.xls
 dir : seeout

Linear regression

Number of obs = 191818
 F(48, 53) = .
 Prob > F = .
 R-squared = 0.0321
 Root MSE = .23359

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0001345	.0001917	-0.70	0.486	-.000519	.0002501
int_motoimm	-.0002384	.0002649	-0.90	0.372	-.0007696	.0002929
male	.001072	.0011048	0.97	0.336	-.0011439	.0032878
gendermiss_flag	-.0788843	.0260316	-3.03	0.004	-.1310971	-.0266715
tsd_age	-.0023058	.0001922	-12.00	0.000	-.0026913	-.0019203
doage2	.0001621	.0001713	0.95	0.348	-.0001816	.0005057
doage2miss_flag	.0003326	.0525239	0.01	0.995	-.105017	.1056821
race_a	-.0023364	.0055192	-0.42	0.674	-.0134066	.0087338
race_b	.0128644	.0014377	8.95	0.000	.0099806	.0157481
race_h	.0001219	.0018943	0.06	0.949	-.0036776	.0039214
race_i	.0019726	.0069543	0.28	0.778	-.011976	.0159212
race_o	.0136196	.0079674	1.71	0.093	-.002361	.0296003
race_mis	-.0047381	.0048679	-0.97	0.335	-.0145019	.0050256
tsd_edu_hs	.0045034	.0014913	3.02	0.004	.0015122	.0074946
tsd_edu_mrhs	.019505	.0019548	9.98	0.000	.0155843	.0234258
tsd_edu_mis	.005241	.001723	3.04	0.004	.0017851	.0086969
tsd_mie_exp	.0142787	.003436	4.16	0.000	.0073869	.0211706
tsd_mie_mis	-.0044513	.0015656	-2.84	0.006	-.0075916	-.0013111

tsd_mie_psbl	.0061924	.0016189	3.83	0.000	.0029453	.0094396
tsd_medicare	-.0216697	.0015371	-14.10	0.000	-.0247528	-.0185866
tsd_medicare_miss	-.0269339	.0056439	-4.77	0.000	-.0382541	-.0156137
tsd_depend_1	-.0049088	.0016669	-2.94	0.005	-.0082523	-.0015654
tsd_depend_2	.0004417	.0014187	0.31	0.757	-.0024039	.0032873
tsd_depend_miss	-.0267657	.0041929	-6.38	0.000	-.0351755	-.0183558
tsd_vrpr	-.0487213	.005739	-8.49	0.000	-.0602322	-.0372104
tsd_vrpr_miss	-.091252	.0060374	-15.11	0.000	-.1033616	-.0791425
pdcgrou2	-.016376	.0030314	-5.40	0.000	-.0224562	-.0102958
pdcgrou3	-.0104816	.0027277	-3.84	0.000	-.0159527	-.0050104
pdcgrou4	-.013221	.0026033	-5.08	0.000	-.0184426	-.0079994
pdcgrou5	-.0004574	.0103989	-0.04	0.965	-.021315	.0204002
cohort2000	-.0093921	.0023166	-4.05	0.000	-.0140386	-.0047456
cohort2001	-.0126691	.0038729	-3.27	0.002	-.0204372	-.004901
cohort2002	-.0153985	.0054438	-2.83	0.007	-.0263174	-.0044796
cohort2003	-.022156	.0067336	-3.29	0.002	-.0356619	-.0086501
cohort2004	-.0090361	.0130671	-0.69	0.492	-.0352454	.0171732
award_b4_tsd	.0218501	.0070154	3.11	0.003	.0077789	.0359212
diaward_tsd	-.0006525	.000159	-4.10	0.000	-.0009714	-.0003336
epeb4twp_flag	.1071485	.1119124	0.96	0.343	-.1173193	.3316163
ldwb4twp_flag	.2931267	.081668	3.59	0.001	.1293214	.456932
ldwb4epe_flag	.2214879	.0282178	7.85	0.000	.1648902	.2780855
twpb4tsd	-.0378528	.0083116	-4.55	0.000	-.0545237	-.0211819
epeb4tsd	-.045629	.0031097	-14.67	0.000	-.0518663	-.0393917
ldwb4tsd	-.0253668	.0022322	-11.36	0.000	-.029844	-.0208896
st_AL	-.0038533	.004717	-0.82	0.418	-.0133144	.0056078
st_AR	-.0046422	.0045616	-1.02	0.313	-.0137916	.0045072
st_AZ	-.0016257	.0043438	-0.37	0.710	-.0103383	.0070868
st_CA	.0154583	.0047269	3.27	0.002	.0059774	.0249392
st_CO	-.0071787	.0042806	-1.68	0.099	-.0157645	.0014071
st_CT	.0197833	.0044506	4.45	0.000	.0108565	.0287101
st_DC	-.0024956	.0047174	-0.53	0.599	-.0119575	.0069664
st_DE	-.0084708	.0043338	-1.95	0.056	-.0171633	.0002217
st_FL	-.0009902	.0042659	-0.23	0.817	-.0095465	.0075661
st_GA	-.0015354	.0045219	-0.34	0.736	-.0106051	.0075344
st_HI	.0126788	.0051909	2.44	0.018	.0022671	.0230904
st_IA	.0200976	.0043515	4.62	0.000	.0113695	.0288257
st_ID	.0098849	.0048329	2.05	0.046	.0001913	.0195785
st_IL	-.0039233	.0043053	-0.91	0.366	-.0125586	.004712
st_IN	.0030086	.004573	0.66	0.513	-.0061637	.0121809
st_KS	.0187182	.0045138	4.15	0.000	.0096646	.0277718
st_KY	-.013024	.004564	-2.85	0.006	-.0221783	-.0038698
st_LA	.004173	.004538	0.92	0.362	-.0049291	.0132751
st_MA	.0370184	.0043584	8.49	0.000	.0282766	.0457603
st_MD	.0042518	.004708	0.90	0.371	-.0051913	.0136948
st_ME	.0173494	.004832	3.59	0.001	.0076576	.0270412
st_MI	.0019226	.0045022	0.43	0.671	-.0071076	.0109528
st_MN	.0127739	.0049001	2.61	0.012	.0029456	.0226022
st_MO	.0047376	.0045281	1.05	0.300	-.0043446	.0138198
st_MS	-.008849	.0045732	-1.93	0.058	-.0180217	.0003237
st_MT	-.000391	.0045689	-0.09	0.932	-.0095551	.0087731
st_NC	-.0049615	.0047497	-1.04	0.301	-.0144881	.0045652
st_ND	-.0092712	.004634	-2.00	0.051	-.0185658	.0000235
st_NE	.0152556	.0047992	3.18	0.002	.0056297	.0248816
st_NH	.034785	.0045575	7.63	0.000	.0256437	.0439262
st_NJ	.0070108	.0045017	1.56	0.125	-.0020184	.01604
st_NM	.0034526	.0045482	0.76	0.451	-.00567	.0125751
st_NV	.0087167	.0045397	1.92	0.060	-.0003888	.0178223
st_NY	.0144029	.0042523	3.39	0.001	.005874	.0229319
st_OH	-.001046	.0047994	-0.22	0.828	-.0106725	.0085804
st_OK	.0047488	.0043411	1.09	0.279	-.0039584	.013456
st_OR	.0228652	.0043989	5.20	0.000	.0140421	.0316883
st_PA	.0067747	.0047741	1.42	0.162	-.002801	.0163503

st_PR	-.0258976	.0047652	-5.43	0.000	-.0354553	-.0163399
st_RI	.0228012	.0047398	4.81	0.000	.0132945	.032308
st_SC	-.035795	.004369	-8.19	0.000	-.0445581	-.027032
st_SD	-.010797	.0045997	-2.35	0.023	-.0200228	-.0015713
st_TN	-.0060258	.0045565	-1.32	0.192	-.015165	.0031133
st_TX	.0024718	.0047855	0.52	0.608	-.0071266	.0120703
st_UT	.0022528	.004861	0.46	0.645	-.0074972	.0120028
st_VA	.0085437	.004559	1.87	0.066	-.0006004	.0176878
st_VT	.0380298	.0044796	8.49	0.000	.0290448	.0470148
st_WA	.0133498	.0047847	2.79	0.007	.003753	.0229466
st_WI	-.0025895	.0043696	-0.59	0.556	-.0113538	.0061747
st_WV	.001207	.00476	0.25	0.801	-.0083402	.0107543
st_WY	.0013812	.0048419	0.29	0.777	-.0083304	.0110928
pial	.0000333	5.30e-06	6.28	0.000	.0000226	.0000439
pia_miss	.0277071	.0049955	5.55	0.000	.0176873	.0377268
ime1	-9.64e-06	1.76e-06	-5.48	0.000	-.0000132	-6.11e-06
ime_miss	-.0361823	.0033481	-10.81	0.000	-.0428978	-.0294668
phase2_st	-.0083048	.0043076	-1.93	0.059	-.0169447	.0003351
_cons	.2574809	.0125189	20.57	0.000	.2323713	.2825905

(1) motoimm = 0

F(1, 53) = 0.49
 Prob > F = 0.4862

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > nounemp.xls
 dir : seeout

Linear regression

Number of obs = 191818
 F(48, 53) = .
 Prob > F = .
 R-squared = 0.0422
 Root MSE = .26374

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0003578	.0001768	-2.02	0.048	-.0007124	-3.25e-06
int_motoimm	-.0000483	.0002639	-0.18	0.856	-.0005775	.000481
male	.0007371	.0011071	0.67	0.508	-.0014835	.0029576
gendermiss_flag	-.1042386	.0335622	-3.11	0.003	-.1715559	-.0369214
tsd_age	-.0030654	.0002606	-11.76	0.000	-.0035882	-.0025426
doage2	.0002109	.0002131	0.99	0.327	-.0002165	.0006382
doage2miss_flag	-.0008934	.0746659	-0.01	0.990	-.1506542	.1488675
race_a	-.0038972	.0057194	-0.68	0.499	-.0153688	.0075745
race_b	.0140566	.0016815	8.36	0.000	.0106838	.0174293
race_h	-.0007361	.0019694	-0.37	0.710	-.0046861	.003214
race_i	.0042255	.0083068	0.51	0.613	-.0124359	.0208869
race_o	.0142512	.0083456	1.71	0.094	-.0024879	.0309903
race_mis	-.0092173	.0049611	-1.86	0.069	-.019168	.0007334
tsd_edu_hs	.0055503	.0019441	2.85	0.006	.001651	.0094497
tsd_edu_mrhs	.0257877	.0021181	12.18	0.000	.0215394	.0300361
tsd_edu_mis	.005724	.0018345	3.12	0.003	.0020445	.0094035
tsd_mie_exp	.0198023	.0038566	5.13	0.000	.0120669	.0275376
tsd_mie_mis	-.0028673	.0019381	-1.48	0.145	-.0067545	.00102
tsd_mie_psbl	.009314	.0018435	5.05	0.000	.0056164	.0130115
tsd_medicare	-.0252186	.0017985	-14.02	0.000	-.0288259	-.0216113
tsd_medicare_miss	-.0371239	.0063726	-5.83	0.000	-.0499056	-.0243422

tsd_depend_1	-.0056924	.0017186	-3.31	0.002	-.0091395	-.0022453
tsd_depend_2	.0025572	.0015985	1.60	0.116	-.0006489	.0057634
tsd_depend_miss	-.0344847	.0048426	-7.12	0.000	-.0441977	-.0247716
tsd_vrpr	-.0719729	.0065932	-10.92	0.000	-.085197	-.0587487
tsd_vrpr_miss	-.1252305	.0069744	-17.96	0.000	-.1392194	-.1112416
pdcgrou2	-.0224144	.0032417	-6.91	0.000	-.0289165	-.0159123
pdcgrou3	-.0148172	.0030476	-4.86	0.000	-.0209299	-.0087046
pdcgrou4	-.0190221	.0028173	-6.75	0.000	-.0246729	-.0133714
pdcgrou5	-.01207	.0127805	-0.94	0.349	-.0377043	.0135644
cohort2000	-.0084461	.0027125	-3.11	0.003	-.0138866	-.0030056
cohort2001	-.0087189	.0041426	-2.10	0.040	-.017028	-.0004098
cohort2002	-.0103071	.0058583	-1.76	0.084	-.0220572	.0014431
cohort2003	-.0162648	.0071	-2.29	0.026	-.0305056	-.0020239
cohort2004	.0083201	.0113111	0.74	0.465	-.014367	.0310073
award_b4_tsd	.0328335	.0064913	5.06	0.000	.0198136	.0458534
diaward_tsd	-.000481	.0001597	-3.01	0.004	-.0008012	-.0001607
epeb4twp_flag	.1200321	.1279295	0.94	0.352	-.1365619	.3766262
ldwb4twp_flag	.4693105	.0911113	5.15	0.000	.2865643	.6520567
ldwb4epe_flag	.2945721	.0323379	9.11	0.000	.2297105	.3594337
twpb4tsd	-.0590296	.0083534	-7.07	0.000	-.0757845	-.0422748
epeb4tsd	-.0578339	.0034656	-16.69	0.000	-.0647851	-.0508828
ldwb4tsd	-.0321373	.0023844	-13.48	0.000	-.0369199	-.0273548
st_AL	-.0200116	.006351	-3.15	0.003	-.03275	-.0072731
st_AR	-.0072539	.0061269	-1.18	0.242	-.0195428	.0050351
st_AZ	.0025873	.0057944	0.45	0.657	-.0090349	.0142095
st_CA	.0079448	.0063047	1.26	0.213	-.0047008	.0205905
st_CO	-.0166628	.0057403	-2.90	0.005	-.0281763	-.0051494
st_CT	.0170671	.0060183	2.84	0.006	.004996	.0291382
st_DC	-.0081767	.0063398	-1.29	0.203	-.0208927	.0045392
st_DE	-.0162679	.0057811	-2.81	0.007	-.0278633	-.0046724
st_FL	-.002713	.0057425	-0.47	0.639	-.014231	.008805
st_GA	-.0091369	.0061391	-1.49	0.143	-.0214504	.0031767
st_HI	.0013879	.0064258	0.22	0.830	-.0115007	.0142765
st_IA	.0331461	.0057825	5.73	0.000	.0215479	.0447444
st_ID	-.0042642	.0064243	-0.66	0.510	-.0171497	.0086212
st_IL	-.0016754	.0057791	-0.29	0.773	-.0132668	.0099159
st_IN	-.0069512	.0061065	-1.14	0.260	-.0191993	.0052968
st_KS	.0248906	.0060579	4.11	0.000	.0127401	.0370412
st_KY	-.0166159	.0061034	-2.72	0.009	-.0288578	-.004374
st_LA	.0024829	.0061277	0.41	0.687	-.0098078	.0147736
st_MA	.0330765	.0057969	5.71	0.000	.0214494	.0447035
st_MD	-.0091974	.0062924	-1.46	0.150	-.0218185	.0034236
st_ME	.0053982	.0064223	0.84	0.404	-.0074833	.0182797
st_MI	-.0035965	.0060754	-0.59	0.556	-.0157823	.0085892
st_MN	-.0003942	.0064512	-0.06	0.952	-.0133337	.0125453
st_MO	.0001605	.0060668	0.03	0.979	-.012008	.0123289
st_MS	-.0160863	.0061414	-2.62	0.011	-.0284044	-.0037681
st_MT	-.0104082	.0060483	-1.72	0.091	-.0225396	.0017232
st_NC	-.0227255	.0063801	-3.56	0.001	-.0355224	-.0099286
st_ND	-.0024119	.0060984	-0.40	0.694	-.0146436	.0098199
st_NE	.0008689	.0063748	0.14	0.892	-.0119172	.0136551
st_NH	.0462138	.0060834	7.60	0.000	.034012	.0584157
st_NJ	.0025585	.0060728	0.42	0.675	-.0096219	.0147389
st_NM	.0018058	.0060313	0.30	0.766	-.0102914	.013903
st_NV	.0060265	.0060804	0.99	0.326	-.0061693	.0182223
st_NY	.0230821	.0057195	4.04	0.000	.0116102	.034554
st_OH	-.0162075	.0063881	-2.54	0.014	-.0290203	-.0033946
st_OK	.0357112	.0057829	6.18	0.000	.0241122	.0473102
st_OR	.0336023	.005811	5.78	0.000	.021947	.0452576
st_PA	-.0026135	.0063795	-0.41	0.684	-.0154092	.0101823
st_PR	-.0478998	.0064327	-7.45	0.000	-.0608021	-.0349975
st_RI	.0109895	.006337	1.73	0.089	-.0017209	.0237
st_SC	-.0568324	.0058215	-9.76	0.000	-.0685089	-.045156

st_SD	-.0143465	.0060827	-2.36	0.022	-.0265468	-.0021461
st_TN	-.0136286	.0061163	-2.23	0.030	-.0258965	-.0013608
st_TX	-.009765	.0064067	-1.52	0.133	-.0226152	.0030851
st_UT	-.0093115	.0064246	-1.45	0.153	-.0221977	.0035746
st_VA	.0044804	.0061348	0.73	0.468	-.0078244	.0167853
st_VT	.0085358	.0058636	1.46	0.151	-.003225	.0202966
st_WA	.0050648	.0063535	0.80	0.429	-.0076788	.0178084
st_WI	-.0000673	.0057941	-0.01	0.991	-.0116888	.0115541
st_WV	-.0103414	.0063916	-1.62	0.112	-.0231613	.0024786
st_WY	.0038778	.0064301	0.60	0.549	-.0090194	.016775
pial	.0000423	7.86e-06	5.38	0.000	.0000265	.000058
pia_miss	.0358532	.0057228	6.26	0.000	.0243746	.0473317
ime1	-.0000126	2.27e-06	-5.56	0.000	-.0000172	-8.08e-06
ime_miss	-.0463004	.0030907	-14.98	0.000	-.0524996	-.0401012
phase2_st	-.01362	.0058243	-2.34	0.023	-.0253022	-.0019379
_cons	.3404174	.0138712	24.54	0.000	.3125953	.3682395

(1) motoimm = 0

F(1, 53) = 4.10
 Prob > F = 0.0480

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > nounemp.xls
 dir : seeout

Linear regression

Number of obs = 191818
 F(48, 53) = .
 Prob > F = .
 R-squared = 0.0487
 Root MSE = .28019

(Std. Err. adjusted for 54 clusters in tsd_state)

twproll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.000259	.0001845	-1.40	0.166	-.000629 .0001111
int_motoimm	-.000079	.0002842	-0.28	0.782	-.0006489 .000491
male	.0002419	.0013435	0.18	0.858	-.0024529 .0029367
gendermiss_flag	-.1197473	.039246	-3.05	0.004	-.1984649 -.0410297
tsd_age	-.0036021	.0002771	-13.00	0.000	-.0041579 -.0030463
doage2	.000188	.0002336	0.80	0.425	-.0002806 .0006566
doage2miss_flag	.0003621	.0906952	0.00	0.997	-.1815495 .1822737
race_a	-.0065718	.0066946	-0.98	0.331	-.0199996 .0068559
race_b	.0159408	.0015417	10.34	0.000	.0128485 .019033
race_h	-.0003033	.0022936	-0.13	0.895	-.0049036 .0042971
race_i	.0005777	.0084905	0.07	0.946	-.0164521 .0176075
race_o	.0123978	.0086749	1.43	0.159	-.0050018 .0297974
race_mis	-.0131284	.0052711	-2.49	0.016	-.023701 -.0025559
tsd_edu_hs	.0069474	.0020465	3.39	0.001	.0028426 .0110522
tsd_edu_mrhs	.0297411	.0022494	13.22	0.000	.0252294 .0342528
tsd_edu_mis	.0064831	.0020506	3.16	0.003	.00237 .0105961
tsd_mie_exp	.0206798	.0038492	5.37	0.000	.0129592 .0284004
tsd_mie_mis	-.0012242	.0020822	-0.59	0.559	-.0054006 .0029522
tsd_mie_psbl	.0116444	.0020459	5.69	0.000	.0075408 .015748
tsd_medicare	-.0278037	.0018668	-14.89	0.000	-.0315482 -.0240593
tsd_medicare_miss	-.0409022	.0063344	-6.46	0.000	-.0536075 -.0281969
tsd_depend_1	-.0053807	.0017943	-3.00	0.004	-.0089797 -.0017818
tsd_depend_2	.0038584	.0017945	2.15	0.036	.0002592 .0074576
tsd_depend_miss	-.0375579	.0055458	-6.77	0.000	-.0486813 -.0264344

tsd_vrpr	-.087147	.0062777	-13.88	0.000	-.0997386	-.0745555
tsd_vrpr_miss	-.1448764	.0065493	-22.12	0.000	-.1580127	-.1317401
pdcgrou2	-.0277658	.0035614	-7.80	0.000	-.0349091	-.0206225
pdcgrou3	-.0162258	.0034563	-4.69	0.000	-.0231583	-.0092934
pdcgrou4	-.0223759	.003069	-7.29	0.000	-.0285314	-.0162203
pdcgrou5	-.0230816	.0125561	-1.84	0.072	-.0482659	.0021027
cohort2000	-.0090585	.0028713	-3.15	0.003	-.0148175	-.0032995
cohort2001	-.0095739	.0042938	-2.23	0.030	-.0181862	-.0009617
cohort2002	-.0114588	.0057067	-2.01	0.050	-.0229049	-.0000127
cohort2003	-.0177173	.0070995	-2.50	0.016	-.0319571	-.0034774
cohort2004	.0113515	.0137521	0.83	0.413	-.0162317	.0389347
award_b4_tsd	.0346619	.0075134	4.61	0.000	.019592	.0497319
diaward_tsd	-.000446	.0001581	-2.82	0.007	-.0007631	-.0001289
epeb4twp_flag	.2234343	.1116647	2.00	0.051	-.0005367	.4474053
ldwb4twp_flag	.6838646	.0674365	10.14	0.000	.5486041	.8191251
ldwb4epe_flag	.3192422	.0329453	9.69	0.000	.2531622	.3853221
twpb4tsd	-.0723148	.0081898	-8.83	0.000	-.0887414	-.0558882
epeb4tsd	-.0653041	.003913	-16.69	0.000	-.0731526	-.0574556
ldwb4tsd	-.0367508	.0025769	-14.26	0.000	-.0419194	-.0315823
st_AL	-.0315979	.0122514	-2.58	0.013	-.0561711	-.0070247
st_AR	-.0086761	.0121603	-0.71	0.479	-.0330667	.0157145
st_AZ	.0217963	.0119518	1.82	0.074	-.002176	.0457686
st_CA	.002371	.0121809	0.19	0.846	-.0220608	.0268028
st_CO	-.0018202	.0118755	-0.15	0.879	-.0256395	.0219992
st_CT	.0185926	.0120812	1.54	0.130	-.0056392	.0428243
st_DC	-.0077226	.0123134	-0.63	0.533	-.0324201	.016975
st_DE	-.0222395	.0119323	-1.86	0.068	-.0461726	.0016937
st_FL	.0091941	.0118975	0.77	0.443	-.0146691	.0330574
st_GA	-.014445	.0121402	-1.19	0.239	-.0387952	.0099052
st_HI	-.0010246	.0121576	-0.08	0.933	-.0254097	.0233605
st_IA	.0447217	.0119043	3.76	0.000	.0208446	.0685987
st_ID	-.0141659	.0122469	-1.16	0.253	-.0387301	.0103983
st_IL	.0186757	.0119002	1.57	0.123	-.0051931	.0425446
st_IN	-.0034671	.0121593	-0.29	0.777	-.0278556	.0209214
st_KS	.0248572	.0121203	2.05	0.045	.000547	.0491674
st_KY	-.0179695	.0121454	-1.48	0.145	-.0423302	.0063911
st_LA	.0029829	.0121462	0.25	0.807	-.0213793	.0273451
st_MA	.0629626	.0119402	5.27	0.000	.0390136	.0869116
st_MD	-.0219225	.0122198	-1.79	0.079	-.0464323	.0025872
st_ME	.0002904	.0122763	0.02	0.981	-.0243327	.0249135
st_MI	-.0067716	.0121166	-0.56	0.579	-.0310745	.0175312
st_MN	-.007243	.0123013	-0.59	0.558	-.0319164	.0174303
st_MO	.002542	.0121298	0.21	0.835	-.0217873	.0268713
st_MS	-.0194005	.0121743	-1.59	0.117	-.043819	.005018
st_MT	-.0080414	.012134	-0.66	0.510	-.0323791	.0162963
st_NC	-.0328238	.012268	-2.68	0.010	-.0574303	-.0082172
st_ND	-.0095481	.0121689	-0.78	0.436	-.0339558	.0148596
st_NE	-.0027303	.0122431	-0.22	0.824	-.0272869	.0218262
st_NH	.0512148	.012151	4.21	0.000	.0268431	.0755866
st_NJ	.0003318	.0121337	0.03	0.978	-.0240053	.0246689
st_NM	.0017267	.0121387	0.14	0.887	-.0226205	.0260739
st_NV	.0101801	.0121502	0.84	0.406	-.01419	.0345503
st_NY	.0289302	.0118765	2.44	0.018	.0051088	.0527515
st_OH	-.0252178	.012268	-2.06	0.045	-.0498244	-.0006113
st_OK	.056754	.0119125	4.76	0.000	.0328606	.0806475
st_OR	.0573896	.0119363	4.81	0.000	.0334484	.0813308
st_PA	-.0079052	.012261	-0.64	0.522	-.0324976	.0166872
st_PR	-.061327	.0122239	-5.02	0.000	-.0858452	-.0368089
st_RI	.0081133	.0121731	0.67	0.508	-.0163028	.0325295
st_SC	-.0635016	.0119847	-5.30	0.000	-.0875398	-.0394634
st_SD	-.0120473	.0121507	-0.99	0.326	-.0364185	.0123239
st_TN	-.0189334	.0121586	-1.56	0.125	-.0433205	.0054537
st_TX	-.0179178	.0122835	-1.46	0.151	-.0425555	.0067199

st_UT	-.0140813	.0122649	-1.15	0.256	-.0386817	.010519
st_VA	.0040931	.0121651	0.34	0.738	-.020307	.0284933
st_VT	-.0078989	.0119871	-0.66	0.513	-.031942	.0161443
st_WA	.0020951	.0122285	0.17	0.865	-.0224321	.0266224
st_WI	.009441	.0119126	0.79	0.432	-.0144526	.0333346
st_WV	-.0218547	.012241	-1.79	0.080	-.0464071	.0026977
st_WY	-.0135524	.0122447	-1.11	0.273	-.0381121	.0110073
pial	.0000449	7.10e-06	6.33	0.000	.0000307	.0000592
pia_miss	.0361229	.0063351	5.70	0.000	.0234163	.0488294
ime1	-.0000141	2.17e-06	-6.48	0.000	-.0000184	-9.70e-06
ime_miss	-.0515675	.0034696	-14.86	0.000	-.0585266	-.0446083
phase2_st	-.0179072	.0064563	-2.77	0.008	-.0308568	-.0049576
_cons	.3988633	.0177225	22.51	0.000	.3633164	.4344101

(1) motoimm = 0

F(1, 53) = 1.97
 Prob > F = 0.1663

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > nounemp.xls
 dir : seeout

Linear regression

Number of obs = 191818
 F(48, 53) = .
 Prob > F = .
 R-squared = 0.2909
 Root MSE = .13388

(Std. Err. adjusted for 54 clusters in tsd_state)

srvroll12	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0006118	.0001216	-5.03	0.000	-.0008557	-.0003678
int_motoimm	-.0001695	.0001975	-0.86	0.394	-.0005656	.0002265
male	.0002647	.0006862	0.39	0.701	-.0011117	.0016411
gendermiss_flag	.2491022	.123342	2.02	0.048	.0017094	.496495
tsd_age	-.0002313	.000101	-2.29	0.026	-.0004339	-.0000288
doage2	-.0000251	.0000656	-0.38	0.704	-.0001566	.0001065
doage2miss_flag	-.0101331	.0051224	-1.98	0.053	-.0204073	.0001411
race_a	.0015589	.0017995	0.87	0.390	-.0020505	.0051683
race_b	.001537	.0007555	2.03	0.047	.0000217	.0030522
race_h	-.0010579	.0013009	-0.81	0.420	-.0036671	.0015513
race_i	-.0034097	.003821	-0.89	0.376	-.0110736	.0042542
race_o	-.0000266	.0027389	-0.01	0.992	-.00552	.0054669
race_mis	-.0001139	.0023197	-0.05	0.961	-.0047667	.0045389
tsd_edu_hs	.0016564	.0008199	2.02	0.048	.0000118	.0033009
tsd_edu_mrhs	.0059364	.0012074	4.92	0.000	.0035146	.0083582
tsd_edu_mis	.0027984	.0008104	3.45	0.001	.001173	.0044238
tsd_mie_exp	.0012054	.0019804	0.61	0.545	-.0027667	.0051776
tsd_mie_mis	.0004359	.0012484	0.35	0.728	-.0020681	.0029399
tsd_mie_psbl	.0012118	.0008658	1.40	0.167	-.0005247	.0029483
tsd_medicare	-.0017524	.0009085	-1.93	0.059	-.0035746	.0000698
tsd_medicare_miss	-.0073384	.0023714	-3.09	0.003	-.0120947	-.0025821
tsd_depend_1	-.001826	.0009041	-2.02	0.048	-.0036394	-.0000127
tsd_depend_2	-.002006	.0007086	-2.83	0.007	-.0034273	-.0005847
tsd_depend_miss	-.0014285	.0028329	-0.50	0.616	-.0071106	.0042536
tsd_vrpr	-.4198935	.0142781	-29.41	0.000	-.4485317	-.3912553
tsd_vrpr_miss	-.4424749	.0133421	-33.16	0.000	-.4692358	-.415714
pdcgrou2	-.0023846	.0013844	-1.72	0.091	-.0051613	.0003921

pdcgrou3	-.000822	.0013046	-0.63	0.531	-.0034387	.0017947
pdcgrou4	.0002841	.001124	0.25	0.801	-.0019703	.0025385
pdcgrou5	-.0038606	.0074139	-0.52	0.605	-.018731	.0110097
cohort2000	-.0012284	.0012825	-0.96	0.343	-.0038008	.001344
cohort2001	-.0005686	.0017953	-0.32	0.753	-.0041696	.0030324
cohort2002	-.0024072	.0031354	-0.77	0.446	-.0086959	.0038815
cohort2003	-.0017314	.0036357	-0.48	0.636	-.0090236	.0055608
cohort2004	-.0213174	.0053629	-3.97	0.000	-.0320741	-.0105607
award_b4_tsd	.0010403	.0025581	0.41	0.686	-.0040907	.0061713
diaward_tsd	-.0001044	.0000884	-1.18	0.243	-.0002818	.0000729
epeb4twp_flag	-.0813876	.0336767	-2.42	0.019	-.1489345	-.0138406
ldwb4twp_flag	.0437299	.0261623	1.67	0.101	-.0087449	.0962047
ldwb4epe_flag	.0053297	.0128291	0.42	0.679	-.0204022	.0310616
twpb4tsd	.0033893	.0014831	2.29	0.026	.0004146	.0063639
epeb4tsd	.0031727	.0018704	1.70	0.096	-.0005789	.0069242
ldwb4tsd	-.0053231	.0024845	-2.14	0.037	-.0103065	-.0003398
st_AL	.0144458	.0014695	9.83	0.000	.0114984	.0173932
st_AR	.0103137	.0010773	9.57	0.000	.008153	.0124744
st_AZ	.0160636	.0010702	15.01	0.000	.013917	.0182102
st_CA	.0106678	.0014067	7.58	0.000	.0078463	.0134892
st_CO	.0182419	.0009979	18.28	0.000	.0162403	.0202434
st_CT	.0129644	.0010355	12.52	0.000	.0108874	.0150415
st_DC	-.0059431	.0012294	-4.83	0.000	-.0084089	-.0034773
st_DE	.0057536	.0010756	5.35	0.000	.0035962	.007911
st_FL	.001061	.0010845	0.98	0.332	-.0011141	.0032362
st_GA	.0101454	.001095	9.27	0.000	.0079491	.0123416
st_HI	.0037795	.0014454	2.61	0.012	.0008804	.0066787
st_IA	.0079207	.0010206	7.76	0.000	.0058737	.0099677
st_ID	.0179996	.0015157	11.88	0.000	.0149595	.0210397
st_IL	.0065607	.0011224	5.84	0.000	.0043093	.008812
st_IN	.0071185	.0010985	6.48	0.000	.0049151	.0093219
st_KS	.0030548	.0010792	2.83	0.007	.0008902	.0052194
st_KY	.0022362	.0011196	2.00	0.051	-9.47e-06	.0044819
st_LA	.0133712	.0011115	12.03	0.000	.0111419	.0156006
st_MA	.0069374	.0011536	6.01	0.000	.0046235	.0092513
st_MD	.0096431	.0016127	5.98	0.000	.0064084	.0128777
st_ME	.019583	.001538	12.73	0.000	.0164982	.0226679
st_MI	.0107755	.0010678	10.09	0.000	.0086339	.0129171
st_MN	.0109242	.0015891	6.87	0.000	.0077368	.0141116
st_MO	.0098696	.0010476	9.42	0.000	.0077684	.0119708
st_MS	.0068281	.0011649	5.86	0.000	.0044916	.0091646
st_MT	.0019927	.0009899	2.01	0.049	7.14e-06	.0039782
st_NC	.0060926	.0014483	4.21	0.000	.0031877	.0089976
st_ND	.0082152	.0010659	7.71	0.000	.0060773	.0103532
st_NE	.0175235	.0016212	10.81	0.000	.0142718	.0207751
st_NH	.0055348	.0010605	5.22	0.000	.0034078	.0076619
st_NJ	.0043306	.001048	4.13	0.000	.0022285	.0064326
st_NM	.0042785	.0011165	3.83	0.000	.0020391	.0065178
st_NV	.0080984	.0010588	7.65	0.000	.0059747	.0102221
st_NY	.0158033	.0010492	15.06	0.000	.0136989	.0179076
st_OH	.0181497	.0015635	11.61	0.000	.0150137	.0212856
st_OK	.022862	.0009611	23.79	0.000	.0209343	.0247897
st_OR	.0183588	.0010707	17.15	0.000	.0162113	.0205063
st_PA	.0134574	.0015175	8.87	0.000	.0104137	.016501
st_PR	.0059967	.0015161	3.96	0.000	.0029557	.0090377
st_RI	.0082226	.0013896	5.92	0.000	.0054354	.0110097
st_SC	-.007175	.001178	-6.09	0.000	-.0095378	-.0048122
st_SD	.0193124	.0010114	19.09	0.000	.0172837	.0213411
st_TN	.0145273	.0011103	13.17	0.000	.0123151	.0167396
st_TX	.0103907	.0014892	6.98	0.000	.0074036	.0133777
st_UT	.0192248	.0015096	12.74	0.000	.016197	.0222526
st_VA	.0104572	.0010675	9.80	0.000	.008316	.0125984
st_VT	.0017324	.0010468	1.65	0.104	-.0003673	.0038321

st_WA	.0154704	.0014986	10.32	0.000	.0124645	.0184763
st_WI	.0106416	.0010692	9.95	0.000	.008497	.0127861
st_WV	.0114761	.0015037	7.63	0.000	.0084601	.0144922
st_WY	.0145282	.0015659	9.28	0.000	.0113875	.0176689
pial	7.10e-06	3.29e-06	2.15	0.036	4.90e-07	.0000137
pia_miss	.0023878	.0035139	0.68	0.500	-.0046602	.0094357
ime1	-1.49e-06	1.00e-06	-1.48	0.144	-3.50e-06	5.26e-07
ime_miss	-.0035443	.0012193	-2.91	0.005	-.0059899	-.0010987
phase2_st	-.0023975	.0025946	-0.92	0.360	-.0076016	.0028065
_cons	.4503587	.0151949	29.64	0.000	.4198817	.4808358

(1) motoimm = 0

F(1, 53) = 25.30
 Prob > F = 0.0000

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > nounemp.xls
 dir : seeout

Linear regression

Number of obs = 191818
 F(48, 53) = .
 Prob > F = .
 R-squared = 0.4499
 Root MSE = .14911

(Std. Err. adjusted for 54 clusters in tsd_state)

srvroll24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
motoimm	-.0001922	.0001008	-1.91	0.062	-.0003944 .0000101
int_motoimm	-.000367	.0002009	-1.83	0.073	-.00077 .000036
male	.0010618	.0008153	1.30	0.198	-.0005735 .0026971
gendermiss_flag	.2014841	.116204	1.73	0.089	-.0315917 .4345599
tsd_age	-.0006487	.0001124	-5.77	0.000	-.0008742 -.0004231
doage2	.0000359	.0000726	0.49	0.623	-.0001097 .0001814
doage2miss_flag	-.0194119	.0101328	-1.92	0.061	-.0397356 .0009119
race_a	-.0011521	.0019486	-0.59	0.557	-.0050606 .0027564
race_b	.0017517	.0009529	1.84	0.072	-.0001596 .003663
race_h	-.0000258	.0015598	-0.02	0.987	-.0031544 .0031027
race_i	-.0052393	.0043959	-1.19	0.239	-.0140564 .0035778
race_o	.0018066	.0031031	0.58	0.563	-.0044174 .0080306
race_mis	-.0015931	.0027437	-0.58	0.564	-.0070962 .00391
tsd_edu_hs	.0043066	.0008367	5.15	0.000	.0026284 .0059847
tsd_edu_mrhs	.0109595	.001393	7.87	0.000	.0081654 .0137536
tsd_edu_mis	.0056391	.0010318	5.47	0.000	.0035696 .0077086
tsd_mie_exp	-.0034006	.0020095	-1.69	0.096	-.0074312 .0006301
tsd_mie_mis	-.0028593	.0018304	-1.56	0.124	-.0065307 .0008121
tsd_mie_psbl	-.0024172	.0014195	-1.70	0.094	-.0052644 .00043
tsd_medicare	-.0022972	.0009623	-2.39	0.021	-.0042273 -.0003671
tsd_medicare_miss	-.0067835	.0032451	-2.09	0.041	-.0132923 -.0002748
tsd_depend_1	-.0027882	.0007687	-3.63	0.001	-.0043299 -.0012464
tsd_depend_2	-.0019558	.0007162	-2.73	0.009	-.0033925 -.0005192
tsd_depend_miss	-.0031396	.0039367	-0.80	0.429	-.0110356 .0047565
tsd_vrpr	-.6601094	.0147853	-44.65	0.000	-.689765 -.6304539
tsd_vrpr_miss	-.6956835	.0130909	-53.14	0.000	-.7219406 -.6694265
pdcgrou2	-.0031656	.0015123	-2.09	0.041	-.0061989 -.0001324
pdcgrou3	-.0035828	.0014998	-2.39	0.020	-.0065911 -.0005745
pdcgrou4	-.0007371	.0012313	-0.60	0.552	-.0032067 .0017325
pdcgrou5	-.0042865	.0048962	-0.88	0.385	-.0141072 .0055341

cohort2000	-.0019334	.001428	-1.35	0.181	-.0047976	.0009307
cohort2001	-.003246	.0023962	-1.35	0.181	-.0080521	.0015602
cohort2002	-.0058145	.0037843	-1.54	0.130	-.0134048	.0017759
cohort2003	-.0054563	.0047635	-1.15	0.257	-.0150107	.004098
cohort2004	-.0294884	.0075593	-3.90	0.000	-.0446504	-.0143264
award_b4_tsd	-.0012039	.0034205	-0.35	0.726	-.0080646	.0056568
diaward_tsd	-.0002333	.0001117	-2.09	0.042	-.0004574	-9.25e-06
epeb4twp_flag	-.128133	.0533968	-2.40	0.020	-.2352335	-.0210325
ldwb4twp_flag	.06319	.0442922	1.43	0.160	-.025649	.1520289
ldwb4epe_flag	.0129739	.0154333	0.84	0.404	-.0179814	.0439292
twpb4tsd	.003512	.0019676	1.78	0.080	-.0004345	.0074584
epeb4tsd	.0023861	.0019415	1.23	0.225	-.0015082	.0062803
ldwb4tsd	-.0090272	.003042	-2.97	0.004	-.0151288	-.0029256
st_AL	.0096764	.0029027	3.33	0.002	.0038542	.0154986
st_AR	.0039155	.0026309	1.49	0.143	-.0013613	.0091923
st_AZ	.0211876	.0025543	8.29	0.000	.0160644	.0263109
st_CA	.0055192	.0029704	1.86	0.069	-.0004387	.011477
st_CO	.0201024	.0025492	7.89	0.000	.0149893	.0252155
st_CT	.0088877	.0025555	3.48	0.001	.0037621	.0140133
st_DC	-.012422	.0027114	-4.58	0.000	-.0178603	-.0069836
st_DE	.0106788	.0025456	4.19	0.000	.005573	.0157847
st_FL	.0085201	.002538	3.36	0.001	.0034296	.0136106
st_GA	.0064318	.002591	2.48	0.016	.0012349	.0116288
st_HI	-.0105099	.0030503	-3.45	0.001	-.016628	-.0043917
st_IA	.0044261	.0025456	1.74	0.088	-.0006798	.009532
st_ID	.0100299	.0029307	3.42	0.001	.0041517	.0159081
st_IL	.0091603	.0026106	3.51	0.001	.0039241	.0143965
st_IN	.0016343	.0026183	0.62	0.535	-.0036173	.0068859
st_KS	.004996	.0026139	1.91	0.061	-.0002469	.0102389
st_KY	-.0021924	.0026347	-0.83	0.409	-.0074771	.0030922
st_LA	.0112328	.0026258	4.28	0.000	.0059661	.0164995
st_MA	.0002546	.0025668	0.10	0.921	-.0048938	.0054029
st_MD	.003982	.0029753	1.34	0.186	-.0019857	.0099498
st_ME	.0101768	.0029556	3.44	0.001	.0042486	.016105
st_MI	.0077719	.0025907	3.00	0.004	.0025757	.0129681
st_MN	.0049927	.0030043	1.66	0.102	-.001033	.0110185
st_MO	.0053198	.0025943	2.05	0.045	.0001164	.0105232
st_MS	.0031519	.0026322	1.20	0.236	-.0021276	.0084314
st_MT	.0030185	.0026197	1.15	0.254	-.002236	.008273
st_NC	-.0055908	.0028892	-1.94	0.058	-.0113859	.0002043
st_ND	-.010941	.0027027	-4.05	0.000	-.016362	-.0055201
st_NE	.0092425	.0029842	3.10	0.003	.003257	.0152279
st_NH	-.0007662	.002613	-0.29	0.770	-.0060073	.0044748
st_NJ	-.00089	.0025698	-0.35	0.730	-.0060445	.0042645
st_NM	-.0060854	.0026552	-2.29	0.026	-.0114109	-.0007598
st_NV	.0011901	.0025874	0.46	0.647	-.0039995	.0063797
st_NY	.0166581	.0025434	6.55	0.000	.0115567	.0217594
st_OH	.0083442	.0029188	2.86	0.006	.0024898	.0141986
st_OK	.0354033	.0025295	14.00	0.000	.0303298	.0404768
st_OR	.010883	.0025788	4.22	0.000	.0057106	.0160555
st_PA	.0039066	.0029619	1.32	0.193	-.0020343	.0098474
st_PR	-.005828	.0029439	-1.98	0.053	-.0117328	.0000768
st_RI	-.0058775	.0029301	-2.01	0.050	-.0117546	-3.30e-07
st_SC	-.0077643	.0025715	-3.02	0.004	-.0129222	-.0026065
st_SD	.0362679	.0026415	13.73	0.000	.0309697	.0415661
st_TN	.0147264	.0026233	5.61	0.000	.0094647	.0199882
st_TX	-.0007151	.0029522	-0.24	0.810	-.0066365	.0052064
st_UT	.0172681	.0029572	5.84	0.000	.0113367	.0231996
st_VA	.0078836	.002607	3.02	0.004	.0026545	.0131126
st_VT	-.0210009	.0025593	-8.21	0.000	-.0261343	-.0158675
st_WA	.0068235	.0029302	2.33	0.024	.0009463	.0127007
st_WI	.0179507	.0025481	7.04	0.000	.0128398	.0230616
st_WV	.0012593	.0029418	0.43	0.670	-.0046413	.0071598

st_WY	-.002036	.0029366	-0.69	0.491	-.0079262	.0038541
pial	4.95e-06	4.87e-06	1.02	0.315	-4.83e-06	.0000147
pia_miss	-.0011118	.0057925	-0.19	0.849	-.0127301	.0105066
ime1	-1.10e-06	1.26e-06	-0.88	0.385	-3.63e-06	1.42e-06
ime_miss	-.0022819	.001932	-1.18	0.243	-.0061569	.0015932
phase2_st	-.007424	.0027385	-2.71	0.009	-.0129167	-.0019313
_cons	.7339163	.014141	51.90	0.000	.7055531	.7622795

(1) motoimm = 0

F(1, 53) = 3.63
 Prob > F = 0.0621

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_

> nounemp.xls

dir : seeout

Linear regression

Number of obs = 191818
 F(48, 53) = .
 Prob > F = .
 R-squared = 0.5559
 Root MSE = .15063

(Std. Err. adjusted for 54 clusters in tsd_state)

srvroll36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0000876	.0001155	-0.76	0.452	-.0003191	.000144
int_motoimm	-.0001406	.0002229	-0.63	0.531	-.0005878	.0003065
male	.0009244	.0007591	1.22	0.229	-.0005983	.002447
gendermiss_flag	.1675139	.1204091	1.39	0.170	-.0739962	.409024
tsd_age	-.0007161	.0001103	-6.49	0.000	-.0009373	-.0004948
doage2	-4.38e-07	.0000631	-0.01	0.994	-.000127	.0001261
doage2miss_flag	-.026652	.0114471	-2.33	0.024	-.0496119	-.0036921
race_a	-.0019399	.0023162	-0.84	0.406	-.0065855	.0027058
race_b	.0025541	.001038	2.46	0.017	.000472	.0046361
race_h	-.0005418	.0017385	-0.31	0.757	-.0040289	.0029453
race_i	-.0042832	.0037075	-1.16	0.253	-.0117196	.0031532
race_o	.0002909	.0030376	0.10	0.924	-.0058019	.0063836
race_mis	-.0026443	.0032802	-0.81	0.424	-.0092236	.0039351
tsd_edu_hs	.0063668	.0009788	6.50	0.000	.0044036	.0083301
tsd_edu_mrhs	.0138917	.0016473	8.43	0.000	.0105877	.0171957
tsd_edu_mis	.0070623	.0011526	6.13	0.000	.0047504	.0093741
tsd_mie_exp	-.0046051	.0023753	-1.94	0.058	-.0093693	.0001592
tsd_mie_mis	-.0033305	.0015443	-2.16	0.036	-.006428	-.000233
tsd_mie_psbl	-.0036367	.0011902	-3.06	0.004	-.0060239	-.0012495
tsd_medicare	-.0024228	.0011006	-2.20	0.032	-.0046304	-.0002153
tsd_medicare_miss	-.0057485	.0033604	-1.71	0.093	-.0124886	.0009917
tsd_depend_1	-.0031972	.0008177	-3.91	0.000	-.0048374	-.0015571
tsd_depend_2	-.0026299	.0008586	-3.06	0.003	-.004352	-.0009078
tsd_depend_miss	-.0100391	.0040693	-2.47	0.017	-.018201	-.0018771
tsd_vrpr	-.8239151	.0130186	-63.29	0.000	-.8500271	-.7978032
tsd_vrpr_miss	-.8689688	.0103474	-83.98	0.000	-.889723	-.8482146
pdcgrou2	-.0039204	.0014051	-2.79	0.007	-.0067387	-.0011022
pdcgrou3	-.0026636	.0013912	-1.91	0.061	-.0054539	.0001267
pdcgrou4	.0005161	.0012131	0.43	0.672	-.0019171	.0029493
pdcgrou5	-.018449	.0048065	-3.84	0.000	-.0280896	-.0088083
cohort2000	-.0019473	.0012163	-1.60	0.115	-.0043868	.0004923
cohort2001	-.0024872	.0021356	-1.16	0.249	-.0067707	.0017963
cohort2002	-.0048481	.0032599	-1.49	0.143	-.0113866	.0016905

cohort2003	-.0051608	.004475	-1.15	0.254	-.0141365	.0038149
cohort2004	-.0264175	.0067007	-3.94	0.000	-.0398574	-.0129776
award_b4_tsd	.0019383	.0041974	0.46	0.646	-.0064807	.0103573
diaward_tsd	-.0002899	.0001026	-2.83	0.007	-.0004956	-.0000842
epeb4twp_flag	-.1720841	.0638228	-2.70	0.009	-.3000964	-.0440718
ldwb4twp_flag	.0890831	.0466142	1.91	0.061	-.004413	.1825793
ldwb4epe_flag	.0307863	.0138091	2.23	0.030	.0030887	.0584839
twpb4tsd	.0038178	.0017687	2.16	0.035	.0002703	.0073653
epeb4tsd	.0086868	.0019797	4.39	0.000	.0047161	.0126575
ldwb4tsd	-.0149829	.002781	-5.39	0.000	-.0205609	-.0094048
st_AL	.0063364	.0038671	1.64	0.107	-.0014201	.0140928
st_AR	.0051646	.0036387	1.42	0.162	-.0021337	.012463
st_AZ	.0258472	.0035366	7.31	0.000	.0187536	.0329408
st_CA	.0039294	.0038383	1.02	0.311	-.0037692	.011628
st_CO	.0230565	.0035323	6.53	0.000	.0159716	.0301414
st_CT	.0129324	.0035912	3.60	0.001	.0057294	.0201353
st_DC	-.0115427	.0036876	-3.13	0.003	-.0189391	-.0041462
st_DE	.0058356	.0035615	1.64	0.107	-.0013078	.012979
st_FL	.0144174	.00355	4.06	0.000	.007297	.0215377
st_GA	.0083116	.0036335	2.29	0.026	.0010237	.0155995
st_HI	-.0146199	.004043	-3.62	0.001	-.0227291	-.0065108
st_IA	.0215082	.0035847	6.00	0.000	.0143182	.0286981
st_ID	.0057236	.0038582	1.48	0.144	-.0020151	.0134622
st_IL	.0191968	.0036287	5.29	0.000	.0119185	.026475
st_IN	.0028402	.003623	0.78	0.437	-.0044267	.0101071
st_KS	.0081401	.0036086	2.26	0.028	.000902	.0153781
st_KY	-.0005018	.0036421	-0.14	0.891	-.007807	.0068034
st_LA	.0139164	.003661	3.80	0.000	.0065733	.0212595
st_MA	.0146415	.0035793	4.09	0.000	.0074623	.0218207
st_MD	.0023166	.0038705	0.60	0.552	-.0054467	.0100798
st_ME	.0030646	.0038993	0.79	0.435	-.0047565	.0108856
st_MI	.0117723	.0036132	3.26	0.002	.0045251	.0190195
st_MN	.0053785	.0039301	1.37	0.177	-.0025043	.0132613
st_MO	.0144338	.0035967	4.01	0.000	.0072197	.0216478
st_MS	.0048985	.0036857	1.33	0.190	-.002494	.012291
st_MT	.005991	.003598	1.67	0.102	-.0012258	.0132077
st_NC	-.0139578	.0038087	-3.66	0.001	-.0215971	-.0063185
st_ND	-.0095532	.0036935	-2.59	0.012	-.0169614	-.0021449
st_NE	.0098792	.0039183	2.52	0.015	.00202	.0177384
st_NH	-.0057045	.0036315	-1.57	0.122	-.0129883	.0015794
st_NJ	-.0033876	.0036122	-0.94	0.353	-.0106328	.0038576
st_NM	-.0087791	.0035722	-2.46	0.017	-.0159441	-.0016141
st_NV	-.0011298	.0036153	-0.31	0.756	-.0083812	.0061215
st_NY	.0205242	.0035541	5.77	0.000	.0133956	.0276528
st_OH	.0052039	.0038477	1.35	0.182	-.0025135	.0129214
st_OK	.0405211	.0035464	11.43	0.000	.0334079	.0476342
st_OR	.008195	.0035891	2.28	0.026	.0009962	.0153938
st_PA	-.0013838	.0038938	-0.36	0.724	-.0091937	.0064261
st_PR	-.009645	.0037863	-2.55	0.014	-.0172393	-.0020507
st_RI	-.0136103	.0038081	-3.57	0.001	-.0212483	-.0059723
st_SC	.0004239	.0035983	0.12	0.907	-.0067934	.0076411
st_SD	.0582051	.0036094	16.13	0.000	.0509656	.0654446
st_TN	.0199474	.0036394	5.48	0.000	.0126477	.0272471
st_TX	-.0053232	.0038536	-1.38	0.173	-.0130524	.0024061
st_UT	.0182991	.0039214	4.67	0.000	.0104338	.0261643
st_VA	.0080152	.0036368	2.20	0.032	.0007206	.0153098
st_VT	-.0139372	.0035814	-3.89	0.000	-.0211206	-.0067539
st_WA	-.001792	.0038664	-0.46	0.645	-.009547	.005963
st_WI	.0285334	.0035547	8.03	0.000	.0214035	.0356632
st_WV	-.0081421	.0039106	-2.08	0.042	-.0159857	-.0002985
st_WY	-.0117564	.0038907	-3.02	0.004	-.0195602	-.0039527
pial	-4.10e-06	5.16e-06	-0.79	0.430	-.0000145	6.25e-06
pia_miss	.0011008	.0060531	0.18	0.856	-.0110402	.0132418

ime1	8.54e-07	1.33e-06	0.64	0.525	-1.82e-06	3.53e-06
ime_miss	-.0014708	.002042	-0.72	0.475	-.0055664	.0026249
phase2_st	-.0151984	.0028542	-5.32	0.000	-.0209232	-.0094736
_cons	.9201135	.0122976	74.82	0.000	.8954477	.9447793

(1) motoimm = 0

F(1, 53) = 0.58
 Prob > F = 0.4516

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > nounemp.xls
 dir : seeout

Linear regression

Number of obs = 191818
 F(48, 53) = .
 Prob > F = .
 R-squared = 0.5822
 Root MSE = .15493

(Std. Err. adjusted for 54 clusters in tsd_state)

srvroll48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	-.0000537	.0001032	-0.52	0.605	-.0002606	.0001532
int_motoimm	-.0001679	.0002214	-0.76	0.452	-.0006119	.0002762
male	.00066	.0008523	0.77	0.442	-.0010494	.0023694
gendermiss_flag	.1527715	.1244234	1.23	0.225	-.0967901	.4023332
tsd_age	-.0006864	.0001305	-5.26	0.000	-.0009481	-.0004247
doage2	-.0001345	.0000819	-1.64	0.106	-.0002987	.0000298
doage2miss_flag	-.0297611	.0167247	-1.78	0.081	-.0633066	.0037844
race_a	-.0033896	.0033917	-1.00	0.322	-.0101925	.0034134
race_b	.0026149	.0011105	2.35	0.022	.0003876	.0048422
race_h	-.0007636	.0017127	-0.45	0.658	-.0041988	.0026716
race_i	.0005789	.004515	0.13	0.898	-.0084771	.0096349
race_o	-.0020486	.0030455	-0.67	0.504	-.0081572	.0040599
race_mis	-.0044698	.0039653	-1.13	0.265	-.0124231	.0034835
tsd_edu_hs	.0074931	.0009965	7.52	0.000	.0054944	.0094917
tsd_edu_mrhs	.0163404	.0019336	8.45	0.000	.0124622	.0202187
tsd_edu_mis	.007913	.0013624	5.81	0.000	.0051803	.0106457
tsd_mie_exp	-.0041292	.0023818	-1.73	0.089	-.0089064	.000648
tsd_mie_mis	-.0033594	.0017511	-1.92	0.060	-.0068716	.0001529
tsd_mie_psbl	-.003828	.0013732	-2.79	0.007	-.0065824	-.0010737
tsd_medicare	-.0043133	.0011453	-3.77	0.000	-.0066105	-.002016
tsd_medicare_miss	-.0066376	.0032804	-2.02	0.048	-.0132172	-.0000581
tsd_depend_1	-.0030155	.0009091	-3.32	0.002	-.0048389	-.001192
tsd_depend_2	-.0027009	.0007391	-3.65	0.001	-.0041834	-.0012183
tsd_depend_miss	-.0106903	.0041757	-2.56	0.013	-.0190658	-.0023149
tsd_vrpr	-.890135	.0071496	-124.50	0.000	-.9044751	-.8757948
tsd_vrpr_miss	-.9421923	.0037268	-252.81	0.000	-.9496674	-.9347172
pdcgrou2	-.0038837	.0013778	-2.82	0.007	-.0066473	-.0011202
pdcgrou3	-.0033643	.0016868	-1.99	0.051	-.0067476	.0000189
pdcgrou4	-.0006876	.0012433	-0.55	0.583	-.0031813	.0018062
pdcgrou5	-.0262132	.0054334	-4.82	0.000	-.0371113	-.0153151
cohort2000	-.0000843	.0013688	-0.06	0.951	-.0028298	.0026612
cohort2001	-.0004262	.0022796	-0.19	0.852	-.0049985	.004146
cohort2002	-.0019758	.0031922	-0.62	0.539	-.0083784	.0044269
cohort2003	-.0033451	.0041944	-0.80	0.429	-.0117579	.0050677
cohort2004	-.0257184	.0065176	-3.95	0.000	-.0387911	-.0126458
award_b4_tsd	.0003237	.0045642	0.07	0.944	-.0088308	.0094783

diaward_tsd	-.0002844	.0001028	-2.77	0.008	-.0004905	-.0000782
epeb4twp_flag	-.0669843	.0221635	-3.02	0.004	-.1114387	-.02253
ldwb4twp_flag	.0539252	.0412564	1.31	0.197	-.0288247	.1366751
ldwb4epe_flag	.0298497	.0136308	2.19	0.033	.0025097	.0571897
twpb4tsd	.003122	.0015532	2.01	0.050	6.78e-06	.0062373
epeb4tsd	.0111647	.0021664	5.15	0.000	.0068196	.0155099
ldwb4tsd	-.0170252	.0025363	-6.71	0.000	-.0221123	-.011938
st_AL	.0066921	.0054596	1.23	0.226	-.0042584	.0176426
st_AR	.0056983	.0052418	1.09	0.282	-.0048154	.016212
st_AZ	.0277363	.0051842	5.35	0.000	.0173382	.0381344
st_CA	.0061989	.0054154	1.14	0.257	-.004663	.0170608
st_CO	.025843	.0051814	4.99	0.000	.0154504	.0362356
st_CT	.0147618	.0052019	2.84	0.006	.004328	.0251956
st_DC	-.0098073	.0052252	-1.88	0.066	-.0202876	.0006731
st_DE	.0313824	.0052074	6.03	0.000	.0209376	.0418271
st_FL	.0229215	.0052091	4.40	0.000	.0124733	.0333696
st_GA	.0103748	.0052307	1.98	0.053	-.0001167	.0208662
st_HI	-.0162727	.0055828	-2.91	0.005	-.0274704	-.0050751
st_IA	.0243991	.0052087	4.68	0.000	.0139518	.0348465
st_ID	.0035945	.0053965	0.67	0.508	-.0072295	.0144186
st_IL	.0318007	.0052697	6.03	0.000	.0212311	.0423703
st_IN	.0065631	.0052295	1.25	0.215	-.0039261	.0170522
st_KS	.0129593	.0052236	2.48	0.016	.0024822	.0234365
st_KY	.0025704	.00525	0.49	0.626	-.0079598	.0131007
st_LA	.0182575	.005264	3.47	0.001	.0076992	.0288159
st_MA	.0199006	.0052231	3.81	0.000	.0094244	.0303768
st_MD	.0001854	.005448	0.03	0.973	-.0107419	.0111128
st_ME	.0015927	.0054373	0.29	0.771	-.0093131	.0124985
st_MI	.0181155	.0052208	3.47	0.001	.0076438	.0285872
st_MN	.0097968	.0054577	1.80	0.078	-.0011501	.0207436
st_MO	.0187806	.0052168	3.60	0.001	.0083171	.0292442
st_MS	.0072331	.0052829	1.37	0.177	-.0033631	.0178293
st_MT	.0056635	.0052224	1.08	0.283	-.0048113	.0161382
st_NC	-.0156311	.0053955	-2.90	0.005	-.026453	-.0048091
st_ND	-.0169321	.0053241	-3.18	0.002	-.027611	-.0062532
st_NE	.0132011	.0054514	2.42	0.019	.002267	.0241353
st_NH	-.005625	.0052354	-1.07	0.288	-.0161259	.0048759
st_NJ	-.0054286	.0052158	-1.04	0.303	-.0158901	.0050329
st_NM	-.0062027	.0051462	-1.21	0.233	-.0165246	.0041191
st_NV	.0067731	.0052214	1.30	0.200	-.0036996	.0172459
st_NY	.024587	.0052205	4.71	0.000	.014116	.035058
st_OH	.0078832	.0054079	1.46	0.151	-.0029638	.0187301
st_OK	.043959	.0051947	8.46	0.000	.0335398	.0543783
st_OR	.0229171	.0052256	4.39	0.000	.012436	.0333982
st_PA	-.0009959	.0054613	-0.18	0.856	-.0119499	.0099581
st_PR	-.0081014	.0052958	-1.53	0.132	-.0187233	.0025206
st_RI	-.0129676	.0053825	-2.41	0.019	-.0237635	-.0021718
st_SC	.0044497	.0052495	0.85	0.400	-.0060794	.0149788
st_SD	.0579698	.0052301	11.08	0.000	.0474795	.0684601
st_TN	.0235199	.0052463	4.48	0.000	.0129971	.0340426
st_TX	-.0046865	.0054171	-0.87	0.391	-.0155518	.0061789
st_UT	.0237017	.0054479	4.35	0.000	.0127746	.0346288
st_VA	.0140463	.0052367	2.68	0.010	.0035429	.0245497
st_VT	.0602047	.005232	11.51	0.000	.0497107	.0706987
st_WA	-.0036509	.0054168	-0.67	0.503	-.0145157	.0072139
st_WI	.0486159	.0051981	9.35	0.000	.0381898	.059042
st_WV	-.0081637	.005483	-1.49	0.142	-.0191613	.0028338
st_WY	-.0091257	.0054232	-1.68	0.098	-.0200032	.0017518
pial	-.0000104	4.91e-06	-2.12	0.039	-.0000203	-5.48e-07
pia_miss	-.0065344	.0050573	-1.29	0.202	-.0166781	.0036093
ime1	2.18e-06	1.19e-06	1.84	0.072	-2.02e-07	4.56e-06
ime_miss	.0014543	.001805	0.81	0.424	-.0021661	.0050746
phase2_st	-.0141076	.0026349	-5.35	0.000	-.0193926	-.0088226

_cons | .9985039 .0089441 111.64 0.000 .9805644 1.016443

(1) motoimm = 0

F(1, 53) = 0.27
 Prob > F = 0.6049

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > nounemp.xls
 dir : seeout

Linear regression

Number of obs = 191818
 F(48, 53) = .
 Prob > F = .
 R-squared = 0.4148
 Root MSE = 1.0793

(Std. Err. adjusted for 54 clusters in tsd_state)

nstwl2	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0003627	.0007404	0.49	0.626	-.0011224	.0018478
int_motoimm	.0009392	.0012488	0.75	0.455	-.0015656	.0034441
male	.0086484	.0045014	1.92	0.060	-.0003802	.017677
gendermiss_flag	-.0526752	.0294181	-1.79	0.079	-.1116803	.00633
tsd_age	-.0034545	.000661	-5.23	0.000	-.0047802	-.0021288
doage2	.0005692	.0004892	1.16	0.250	-.0004119	.0015504
doage2miss_flag	1.718617	1.189112	1.45	0.154	-.6664395	4.103673
race_a	-.011994	.0169186	-0.71	0.481	-.0459283	.0219403
race_b	.0268736	.007576	3.55	0.001	.011678	.0420692
race_h	.0491852	.0141738	3.47	0.001	.0207562	.0776143
race_i	.042073	.0354613	1.19	0.241	-.0290533	.1131993
race_o	.0000105	.0329306	0.00	1.000	-.06604	.0660609
race_mis	.0448234	.0208642	2.15	0.036	.0029751	.0866716
tsd_edu_hs	.0151528	.0055918	2.71	0.009	.003937	.0263685
tsd_edu_mrhs	.0425712	.0071412	5.96	0.000	.0282478	.0568946
tsd_edu_mis	.0324929	.0058115	5.59	0.000	.0208365	.0441492
tsd_mie_exp	.0123108	.0136616	0.90	0.372	-.015091	.0397125
tsd_mie_mis	-.0066317	.00888	-0.75	0.458	-.0244426	.0111792
tsd_mie_psbl	-.0070092	.0066677	-1.05	0.298	-.0203828	.0063644
tsd_medicare	-.0278735	.0106091	-2.63	0.011	-.0491527	-.0065944
tsd_medicare_miss	-.0013864	.0126764	-0.11	0.913	-.0268121	.0240393
tsd_depend_1	-.0281916	.005269	-5.35	0.000	-.03876	-.0176233
tsd_depend_2	-.0178376	.0063486	-2.81	0.007	-.0305713	-.0051039
tsd_depend_miss	.0601768	.0214992	2.80	0.007	.0170548	.1032988
tsd_vrpr	.0974966	.0165616	5.89	0.000	.0642783	.1307149
tsd_vrpr_miss	.1278045	.0142226	8.99	0.000	.0992775	.1563315
pdcgrou2	-.0052228	.0058086	-0.90	0.373	-.0168733	.0064278
pdcgrou3	.0358012	.0063123	5.67	0.000	.0231403	.0484621
pdcgrou4	.0369575	.0072067	5.13	0.000	.0225026	.0514123
pdcgrou5	-.0408271	.0523308	-0.78	0.439	-.1457893	.0641351
cohort2000	.018015	.0205612	0.88	0.385	-.0232256	.0592556
cohort2001	.0604879	.029952	2.02	0.049	.0004118	.120564
cohort2002	.0402508	.0470795	0.85	0.396	-.0541787	.1346803
cohort2003	.0009951	.0462626	0.02	0.983	-.0917959	.093786
cohort2004	.0767971	.055333	1.39	0.171	-.0341869	.187781
award_b4_tsd	-.009763	.0084981	-1.15	0.256	-.0268081	.0072821
diaward_tsd	-.0019333	.0007897	-2.45	0.018	-.0035173	-.0003492
epeb4twp_flag	.4744422	1.008191	0.47	0.640	-1.547734	2.496618
ldwb4twp_flag	-.8255553	.5818906	-1.42	0.162	-1.99268	.3415694

ldwb4epe_flag	.5206549	.2159578	2.41	0.019	.0874985	.9538114
twpb4tsd	.8509652	.0508705	16.73	0.000	.748932	.9529984
epeb4tsd	.5157073	.0453562	11.37	0.000	.4247342	.6066803
ldwb4tsd	5.213459	.110225	47.30	0.000	4.992376	5.434542
st_AL	.1045518	.0443963	2.35	0.022	.015504	.1935995
st_AR	-.031951	.0424377	-0.75	0.455	-.1170702	.0531683
st_AZ	-.0973591	.0427059	-2.28	0.027	-.1830162	-.011702
st_CA	.1359106	.0442811	3.07	0.003	.047094	.2247273
st_CO	-.0372411	.0425788	-0.87	0.386	-.1226433	.0481611
st_CT	-.0159828	.0424478	-0.38	0.708	-.1011222	.0691566
st_DC	.0908955	.0429258	2.12	0.039	.0047973	.1769937
st_DE	-.117542	.0428626	-2.74	0.008	-.2035134	-.0315706
st_FL	-.0538114	.0426472	-1.26	0.213	-.1393507	.031728
st_GA	.0179144	.0426712	0.42	0.676	-.0676732	.1035021
st_HI	.1293392	.0451643	2.86	0.006	.0387511	.2199272
st_IA	-.0915673	.0427713	-2.14	0.037	-.1773556	-.005779
st_ID	.1244835	.0443562	2.81	0.007	.0355163	.2134506
st_IL	-.0634361	.0427234	-1.48	0.144	-.1491284	.0222562
st_IN	-.0209055	.0423405	-0.49	0.624	-.1058297	.0640187
st_KS	-.0372099	.0422831	-0.88	0.383	-.122019	.0475992
st_KY	-.0255775	.0424426	-0.60	0.549	-.1107065	.0595515
st_LA	-.0042781	.0424431	-0.10	0.920	-.0894082	.0808519
st_MA	-.0895237	.0428397	-2.09	0.041	-.1754493	-.0035981
st_MD	.1798232	.0448668	4.01	0.000	.0898318	.2698146
st_ME	.0980124	.0445511	2.20	0.032	.0086542	.1873706
st_MI	-.0046391	.0424452	-0.11	0.913	-.0897733	.0804951
st_MN	.0544185	.044848	1.21	0.230	-.0355352	.1443721
st_MO	-.031391	.0423726	-0.74	0.462	-.1163797	.0535976
st_MS	.0001636	.0423903	0.00	0.997	-.0848605	.0851877
st_MT	.0353611	.0423518	0.83	0.408	-.0495859	.1203081
st_NC	.0843467	.0444595	1.90	0.063	-.0048277	.1735212
st_ND	-.0670633	.0422468	-1.59	0.118	-.1517997	.0176732
st_NE	.028449	.0445518	0.64	0.526	-.0609107	.1178086
st_NH	-.037426	.0424888	-0.88	0.382	-.1226478	.0477958
st_NJ	-.0082245	.0424754	-0.19	0.847	-.0934195	.0769704
st_NM	.071594	.0422735	1.69	0.096	-.0131959	.1563839
st_NV	-.0564196	.042528	-1.33	0.190	-.14172	.0288808
st_NY	-.0680698	.0426795	-1.59	0.117	-.1536741	.0175344
st_OH	.0794893	.0444935	1.79	0.080	-.0097533	.168732
st_OK	.0261568	.0426056	0.61	0.542	-.0592993	.1116129
st_OR	-.1161621	.042975	-2.70	0.009	-.2023591	-.0299652
st_PA	.1279787	.0443402	2.89	0.006	.0390436	.2169138
st_PR	.0900877	.0447218	2.01	0.049	.0003871	.1797883
st_RI	.1713054	.0444093	3.86	0.000	.0822317	.2603791
st_SC	-.0071184	.0429166	-0.17	0.869	-.0931981	.0789614
st_SD	-.020304	.0423807	-0.48	0.634	-.1053089	.0647008
st_TN	-.0133638	.0423524	-0.32	0.754	-.0983119	.0715843
st_TX	.1301094	.0443026	2.94	0.005	.0412497	.2189691
st_UT	.0853505	.0446739	1.91	0.061	-.0042539	.174955
st_VA	-.0050772	.0423847	-0.12	0.905	-.0900902	.0799359
st_VT	-.0725035	.0428152	-1.69	0.096	-.1583798	.0133729
st_WA	.1012398	.0445213	2.27	0.027	.0119414	.1905381
st_WI	-.0792091	.0427863	-1.85	0.070	-.1650275	.0066092
st_WV	.1186765	.0445594	2.66	0.010	.0293017	.2080513
st_WY	.189903	.0451761	4.20	0.000	.0992912	.2805148
pial	.0000463	.0000381	1.22	0.230	-.0000301	.0001226
pia_miss	-.0758755	.0432601	-1.75	0.085	-.1626443	.0108934
imel	9.17e-06	.0000135	0.68	0.500	-.0000179	.0000363
ime_miss	.008596	.0215543	0.40	0.692	-.0346365	.0518285
phase2_st	.1210073	.019486	6.21	0.000	.0819233	.1600912
_cons	-.1592238	.0769247	-2.07	0.043	-.3135151	-.0049324

(1) motoimm = 0

F(1, 53) = 0.24
 Prob > F = 0.6263

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > nounemp.xls
 dir : seeout

Linear regression

Number of obs = 191818
 F(48, 53) = .
 Prob > F = .
 R-squared = 0.3536
 Root MSE = 2.4546

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw24	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0022431	.0019087	1.18	0.245	-.0015852	.0060713
int_motoimm	-.0011578	.0030301	-0.38	0.704	-.0072354	.0049199
male	.0550984	.0103901	5.30	0.000	.0342584	.0759384
gendermiss_flag	-.2272191	.0700511	-3.24	0.002	-.3677239	-.0867143
tsd_age	-.0122974	.0016276	-7.56	0.000	-.015562	-.0090328
doage2	.0004218	.0010875	0.39	0.700	-.0017594	.002603
doage2miss_flag	3.419949	2.480832	1.38	0.174	-1.555971	8.395868
race_a	.0196545	.0490248	0.40	0.690	-.0786768	.1179858
race_b	.0762296	.019621	3.89	0.000	.0368748	.1155844
race_h	.1199171	.0282794	4.24	0.000	.0631958	.1766385
race_i	.0510838	.0728795	0.70	0.486	-.0950941	.1972617
race_o	.1012404	.0641091	1.58	0.120	-.0273461	.229827
race_mis	.1052402	.0507602	2.07	0.043	.0034282	.2070522
tsd_edu_hs	.0577433	.0127086	4.54	0.000	.0322532	.0832335
tsd_edu_mrhs	.1732858	.0178839	9.69	0.000	.1374153	.2091564
tsd_edu_mis	.1185405	.0159549	7.43	0.000	.0865391	.150542
tsd_mie_exp	.0210992	.0381973	0.55	0.583	-.0555149	.0977133
tsd_mie_mis	-.0274516	.0206862	-1.33	0.190	-.068943	.0140397
tsd_mie_psbl	-.0184612	.0191462	-0.96	0.339	-.0568636	.0199413
tsd_medicare	-.0959716	.0209108	-4.59	0.000	-.1379134	-.0540297
tsd_medicare_miss	-.1004283	.0315173	-3.19	0.002	-.1636439	-.0372126
tsd_depend_1	-.0892305	.011748	-7.60	0.000	-.1127939	-.065667
tsd_depend_2	-.0526777	.0143134	-3.68	0.001	-.0813868	-.0239686
tsd_depend_miss	.1289186	.0369611	3.49	0.001	.054784	.2030531
tsd_vrpr	.279589	.041969	6.66	0.000	.1954099	.3637681
tsd_vrpr_miss	.2897472	.0311965	9.29	0.000	.2271748	.3523195
pdcgrou2	-.0409088	.0144066	-2.84	0.006	-.0698048	-.0120128
pdcgrou3	.1102306	.01314	8.39	0.000	.083875	.1365862
pdcgrou4	.1035234	.0167698	6.17	0.000	.0698874	.1371594
pdcgrou5	-.0359755	.1218259	-0.30	0.769	-.2803272	.2083762
cohort2000	.0267224	.0468237	0.57	0.571	-.0671941	.1206388
cohort2001	.1174116	.0580224	2.02	0.048	.0010334	.2337898
cohort2002	.0674813	.0928434	0.73	0.471	-.1187389	.2537015
cohort2003	.0471426	.1023186	0.46	0.647	-.1580824	.2523677
cohort2004	.2072067	.1358918	1.52	0.133	-.0653577	.479771
award_b4_tsd	-.0020678	.0339016	-0.06	0.952	-.0700657	.0659302
diaward_tsd	-.0057702	.0016863	-3.42	0.001	-.0091525	-.0023878
epeb4twp_flag	.1623476	1.778478	0.09	0.928	-3.404828	3.729523
ldwb4twp_flag	-1.420564	1.036497	-1.37	0.176	-3.499515	.658386
ldwb4epe_flag	2.041258	.4660615	4.38	0.000	1.106457	2.976059
twpb4tsd	2.604273	.1377633	18.90	0.000	2.327955	2.880592
epeb4tsd	.8406099	.0840385	10.00	0.000	.6720501	1.00917

ldwb4tsd	9.533558	.2163408	44.07	0.000	9.099634	9.967483
st_AL	.1980122	.0933535	2.12	0.039	.0107687	.3852557
st_AR	-.1438051	.0896031	-1.60	0.114	-.3235262	.035916
st_AZ	-.1445481	.0903612	-1.60	0.116	-.3257897	.0366936
st_CA	.3374317	.0934537	3.61	0.001	.1499872	.5248761
st_CO	-.1770607	.0898566	-1.97	0.054	-.3572903	.0031689
st_CT	-.0737766	.0894267	-0.82	0.413	-.2531438	.1055907
st_DC	.2490834	.0902803	2.76	0.008	.068004	.4301628
st_DE	-.0783251	.0908404	-0.86	0.392	-.2605278	.1038776
st_FL	-.1600437	.0903202	-1.77	0.082	-.341203	.0211156
st_GA	.0269579	.0899225	0.30	0.766	-.1534038	.2073196
st_HI	.2636239	.0963739	2.74	0.008	.0703223	.4569256
st_IA	-.2834841	.0899306	-3.15	0.003	-.4638621	-.1031061
st_ID	.2370821	.0935287	2.53	0.014	.0494872	.424677
st_IL	-.2260854	.0904665	-2.50	0.016	-.4075382	-.0446326
st_IN	-.070157	.0894394	-0.78	0.436	-.2495497	.1092356
st_KS	-.1123386	.0890953	-1.26	0.213	-.2910411	.0663639
st_KY	-.1165507	.0899952	-1.30	0.201	-.2970582	.0639568
st_LA	.0034272	.0896237	0.04	0.970	-.1763352	.1831897
st_MA	-.1733982	.0906552	-1.91	0.061	-.3552295	.0084331
st_MD	.4206012	.0941376	4.47	0.000	.231785	.6094174
st_ME	.2271365	.0932225	2.44	0.018	.0401558	.4141171
st_MI	-.0418627	.0896254	-0.47	0.642	-.2216285	.1379032
st_MN	.1387495	.0938992	1.48	0.145	-.0495885	.3270875
st_MO	-.1082056	.089422	-1.21	0.232	-.2875634	.0711522
st_MS	-.0079666	.089676	-0.09	0.930	-.1878339	.1719006
st_MT	-.0309264	.0892178	-0.35	0.730	-.2098747	.1480219
st_NC	.1533258	.0934655	1.64	0.107	-.0341423	.3407938
st_ND	-.192748	.0888309	-2.17	0.035	-.3709202	-.0145759
st_NE	.0531328	.0932073	0.57	0.571	-.1338173	.240083
st_NH	.017671	.0897567	0.20	0.845	-.1623581	.1977
st_NJ	-.0176605	.0897669	-0.20	0.845	-.1977101	.1623892
st_NM	.1181487	.0892141	1.32	0.191	-.0607921	.2970896
st_NV	-.1381508	.0897714	-1.54	0.130	-.3182094	.0419077
st_NY	-.1821865	.0904426	-2.01	0.049	-.3635913	-.0007816
st_OH	.1748317	.0932885	1.87	0.066	-.0122812	.3619447
st_OK	-.1494591	.0901236	-1.66	0.103	-.3302241	.0313059
st_OR	-.214849	.090698	-2.37	0.022	-.3967663	-.0329318
st_PA	.2786362	.0930295	3.00	0.004	.0920427	.4652297
st_PR	.1465935	.0958748	1.53	0.132	-.045707	.338894
st_RI	.4121937	.0938825	4.39	0.000	.2238893	.6004981
st_SC	-.0692607	.0911835	-0.76	0.451	-.2521517	.1136304
st_SD	-.1148451	.0891566	-1.29	0.203	-.2936707	.0639804
st_TN	-.0698617	.0895849	-0.78	0.439	-.2495462	.1098228
st_TX	.2851391	.0933721	3.05	0.004	.0978582	.4724199
st_UT	.1899539	.093592	2.03	0.047	.0022321	.3776757
st_VA	-.0170388	.0895195	-0.19	0.850	-.1965922	.1625146
st_VT	-.2297621	.0903148	-2.54	0.014	-.4109106	-.0486136
st_WA	.264411	.0933449	2.83	0.007	.0771849	.4516371
st_WI	-.2270547	.0902534	-2.52	0.015	-.4080801	-.0460292
st_WV	.2516206	.0935715	2.69	0.010	.0639399	.4393014
st_WY	.3238605	.0947914	3.42	0.001	.133733	.5139879
pial	.0000617	.0000747	0.83	0.413	-.0000882	.0002116
pia_miss	-.26069	.0838192	-3.11	0.003	-.4288101	-.0925699
ime1	.0000548	.0000271	2.02	0.048	4.63e-07	.0001092
ime_miss	.0055753	.0411388	0.14	0.893	-.0769387	.0880892
phase2_st	.3067079	.0382834	8.01	0.000	.2299211	.3834947
_cons	-.0898076	.145292	-0.62	0.539	-.3812263	.2016112

(1) motoimm = 0

F(1, 53) = 1.38

Prob > F = 0.2452

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > nounemp.xls
 dir : seeout

Linear regression

Number of obs = 191818
 F(48, 53) = .
 Prob > F = .
 R-squared = 0.3036
 Root MSE = 4.0873

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw36	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0027981	.0035944	0.78	0.440	-.0044114	.0100075
int_motoimm	-.0048188	.0053712	-0.90	0.374	-.015592	.0059543
male	.1211278	.0186692	6.49	0.000	.083682	.1585735
gendermiss_flag	-.5739943	.1302204	-4.41	0.000	-.8351834	-.3128052
tsd_age	-.026739	.0028774	-9.29	0.000	-.0325104	-.0209676
doage2	-.0007627	.0017532	-0.44	0.665	-.0042791	.0027536
doage2miss_flag	6.227963	4.687832	1.33	0.190	-3.174636	15.63056
race_a	.0751693	.0813637	0.92	0.360	-.0880256	.2383643
race_b	.1575794	.0329951	4.78	0.000	.0913995	.2237592
race_h	.209592	.0441815	4.74	0.000	.1209752	.2982088
race_i	.0669109	.112856	0.59	0.556	-.1594496	.2932714
race_o	.2570758	.1096846	2.34	0.023	.0370764	.4770752
race_mis	.1693777	.0917838	1.85	0.071	-.0147173	.3534727
tsd_edu_hs	.1181671	.0216339	5.46	0.000	.0747749	.1615593
tsd_edu_mrhs	.3735782	.0318003	11.75	0.000	.3097948	.4373616
tsd_edu_mis	.2427759	.0286204	8.48	0.000	.1853706	.3001812
tsd_mie_exp	.0466564	.0678573	0.69	0.495	-.089448	.1827609
tsd_mie_mis	-.0677084	.0326797	-2.07	0.043	-.1332556	-.0021612
tsd_mie_psbl	-.0585877	.0310938	-1.88	0.065	-.120954	.0037787
tsd_medicare	-.1742227	.0322518	-5.40	0.000	-.2389116	-.1095338
tsd_medicare_miss	-.2618879	.0636784	-4.11	0.000	-.3896107	-.1341652
tsd_depend_1	-.1750515	.0217816	-8.04	0.000	-.2187398	-.1313633
tsd_depend_2	-.0886224	.0240587	-3.68	0.001	-.1368782	-.0403667
tsd_depend_miss	.1386589	.0565846	2.45	0.018	.0251645	.2521533
tsd_vrpr	.4596903	.0641206	7.17	0.000	.3310806	.5883
tsd_vrpr_miss	.3531393	.0439487	8.04	0.000	.2649893	.4412892
pdcgrou2	-.1181132	.0307217	-3.84	0.000	-.1797332	-.0564933
pdcgrou3	.1932077	.0251211	7.69	0.000	.1428212	.2435942
pdcgrou4	.1678539	.0295075	5.69	0.000	.1086694	.2270385
pdcgrou5	-.087562	.1980939	-0.44	0.660	-.4848879	.309764
cohort2000	.0019792	.066665	0.03	0.976	-.1317338	.1356923
cohort2001	.1116705	.0788449	1.42	0.163	-.0464724	.2698133
cohort2002	.0234629	.1261721	0.19	0.853	-.2296062	.276532
cohort2003	.0320875	.149339	0.21	0.831	-.2674486	.3316236
cohort2004	.2691173	.208641	1.29	0.203	-.1493635	.6875982
award_b4_tsd	.0824096	.0756687	1.09	0.281	-.0693626	.2341818
diaward_tsd	-.011846	.0027325	-4.34	0.000	-.0173267	-.0063653
epeb4twp_flag	-.5399394	2.054534	-0.26	0.794	-4.660813	3.580934
ldwb4twp_flag	-2.328521	1.30838	-1.78	0.081	-4.9528	.2957574
ldwb4epe_flag	4.208471	.7720705	5.45	0.000	2.659894	5.757048
twpb4tsd	4.505534	.2223191	20.27	0.000	4.059618	4.95145
epeb4tsd	1.015375	.1317396	7.71	0.000	.7511388	1.279611
ldwb4tsd	13.35654	.3129299	42.68	0.000	12.72888	13.98419
st_AL	.3130503	.156272	2.00	0.050	-.0003917	.6264923
st_AR	-.275047	.1492431	-1.84	0.071	-.5743907	.0242966

st_AZ	-.1005909	.1509092	-0.67	0.508	-.4032765	.2020948
st_CA	.6143014	.1560287	3.94	0.000	.3013474	.9272553
st_CO	-.3866591	.1500644	-2.58	0.013	-.6876502	-.0856681
st_CT	-.1154874	.149047	-0.77	0.442	-.4144378	.1834629
st_DC	.5431932	.149901	3.62	0.001	.2425299	.8438566
st_DE	.1234775	.1508225	0.82	0.417	-.1790341	.4259891
st_FL	-.2347747	.15088	-1.56	0.126	-.5374017	.0678523
st_GA	.0641164	.1496305	0.43	0.670	-.2360043	.3642372
st_HI	.4507794	.1579749	2.85	0.006	.133922	.7676369
st_IA	-.6162188	.1501621	-4.10	0.000	-.9174058	-.3150318
st_ID	.3132947	.156273	2.00	0.050	-.0001493	.6267388
st_IL	-.3047735	.1510018	-2.02	0.049	-.6076448	-.0019021
st_IN	-.0827853	.148899	-0.56	0.581	-.3814388	.2158682
st_KS	-.0755115	.1483596	-0.51	0.613	-.3730832	.2220602
st_KY	-.1867707	.149904	-1.25	0.218	-.48744	.1138987
st_LA	.0203505	.1491101	0.14	0.892	-.2787265	.3194274
st_MA	-.1463474	.1514853	-0.97	0.338	-.4501884	.1574936
st_MD	.6978865	.1572303	4.44	0.000	.3825224	1.013251
st_ME	.4475263	.1558048	2.87	0.006	.1350215	.7600312
st_MI	-.0763174	.149176	-0.51	0.611	-.3755265	.2228917
st_MN	.2709131	.1567167	1.73	0.090	-.0434208	.5852469
st_MO	-.1890365	.1488306	-1.27	0.210	-.4875529	.1094799
st_MS	.0251179	.1492771	0.17	0.867	-.2742941	.3245298
st_MT	-.0241107	.1484247	-0.16	0.872	-.3218129	.2735915
st_NC	.2123187	.1562727	1.36	0.180	-.1011245	.525762
st_ND	-.322127	.1478898	-2.18	0.034	-.6187564	-.0254976
st_NE	.097884	.1557959	0.63	0.533	-.214603	.410371
st_NH	.1753116	.1495158	1.17	0.246	-.1245792	.4752023
st_NJ	.0198437	.1492893	0.13	0.895	-.2795927	.31928
st_NM	.1749702	.1487954	1.18	0.245	-.1234756	.473416
st_NV	-.1841893	.1491476	-1.23	0.222	-.4833415	.1149629
st_NY	-.2114086	.1508786	-1.40	0.167	-.5140327	.0912155
st_OH	.2944698	.1559686	1.89	0.065	-.0183635	.6073032
st_OK	-.0841425	.1504174	-0.56	0.578	-.3858415	.2175566
st_OR	-.3195999	.1512976	-2.11	0.039	-.6230645	-.0161354
st_PA	.455857	.1556634	2.93	0.005	.1436358	.7680783
st_PR	.155858	.1602479	0.97	0.335	-.1655586	.4772745
st_RI	.6477118	.1570265	4.12	0.000	.3327566	.962667
st_SC	-.2112294	.1520313	-1.39	0.171	-.5161656	.0937067
st_SD	-.2238112	.1482021	-1.51	0.137	-.5210669	.0734445
st_TN	-.123324	.1492353	-0.83	0.412	-.422652	.176004
st_TX	.478008	.1561709	3.06	0.003	.1647689	.7912471
st_UT	.3461444	.1562609	2.22	0.031	.0327247	.659564
st_VA	.0172431	.1489642	0.12	0.908	-.2815412	.3160273
st_VT	-.4076227	.1504577	-2.71	0.009	-.7094025	-.1058428
st_WA	.483727	.1557583	3.11	0.003	.1713155	.7961386
st_WI	-.2452445	.1506994	-1.63	0.110	-.5475093	.0570203
st_WV	.3926744	.1564679	2.51	0.015	.0788396	.7065092
st_WY	.4123701	.1581585	2.61	0.012	.0951444	.7295958
pial	.0001382	.0001186	1.17	0.249	-.0000996	.0003761
pia_miss	-.4078148	.117116	-3.48	0.001	-.6427198	-.1729098
ime1	.0001063	.0000429	2.48	0.017	.0000202	.0001924
ime_miss	-.0711946	.0598943	-1.19	0.240	-.1913274	.0489382
phase2_st	.4662736	.0609589	7.65	0.000	.3440055	.5885417
_cons	.4529834	.2282957	1.98	0.052	-.0049197	.9108865

(1) motoimm = 0

F(1, 53) = 0.61
 Prob > F = 0.4398

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_
 > nounemp.xls
 dir : seeout

Linear regression

Number of obs = 191818
 F(48, 53) = .
 Prob > F = .
 R-squared = 0.2662
 Root MSE = 5.9041

(Std. Err. adjusted for 54 clusters in tsd_state)

nstw48	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
motoimm	.0047916	.0050532	0.95	0.347	-.0053439	.0149271
int_motoimm	-.0105454	.007314	-1.44	0.155	-.0252154	.0041246
male	.2140736	.0299588	7.15	0.000	.1539839	.2741632
gendermiss_flag	-1.065426	.2175452	-4.90	0.000	-1.501766	-.6290857
tsd_age	-.0463434	.0042438	-10.92	0.000	-.0548554	-.0378313
doage2	-.0027478	.0026027	-1.06	0.296	-.0079682	.0024726
doage2miss_flag	6.591357	5.357882	1.23	0.224	-4.155193	17.33791
race_a	.109054	.1100537	0.99	0.326	-.1116858	.3297938
race_b	.259502	.0491088	5.28	0.000	.1610023	.3580018
race_h	.2806747	.0675857	4.15	0.000	.145115	.4162344
race_i	.1346012	.165756	0.81	0.420	-.1978631	.4670656
race_o	.3861943	.1702808	2.27	0.027	.0446541	.7277344
race_mis	.2115368	.1233209	1.72	0.092	-.0358136	.4588872
tsd_edu_hs	.187584	.0291506	6.43	0.000	.1291152	.2460528
tsd_edu_mrhs	.6273505	.0474714	13.22	0.000	.5321349	.7225661
tsd_edu_mis	.3841463	.0396135	9.70	0.000	.3046916	.463601
tsd_mie_exp	.0642488	.098782	0.65	0.518	-.1338829	.2623804
tsd_mie_mis	-.0988301	.0487452	-2.03	0.048	-.1966006	-.0010597
tsd_mie_psbl	-.1058445	.0407543	-2.60	0.012	-.1875872	-.0241017
tsd_medicare	-.2598935	.0460774	-5.64	0.000	-.352313	-.167474
tsd_medicare_miss	-.4714147	.1080267	-4.36	0.000	-.6880889	-.2547405
tsd_depend_1	-.255411	.0344901	-7.41	0.000	-.3245893	-.1862327
tsd_depend_2	-.1058023	.03302	-3.20	0.002	-.1720321	-.0395725
tsd_depend_miss	.0803275	.0778699	1.03	0.307	-.0758598	.2365148
tsd_vrpr	.4773351	.0813551	5.87	0.000	.3141574	.6405127
tsd_vrpr_miss	.1942212	.0607524	3.20	0.002	.0723672	.3160752
pdgroup2	-.2482246	.0533349	-4.65	0.000	-.3552009	-.1412482
pdgroup3	.2625278	.042283	6.21	0.000	.1777188	.3473367
pdgroup4	.2094014	.0472642	4.43	0.000	.1146014	.3042014
pdgroup5	-.2797832	.2664814	-1.05	0.299	-.8142772	.2547108
cohort2000	-.0156947	.085271	-0.18	0.855	-.1867266	.1553372
cohort2001	.1038491	.0997767	1.04	0.303	-.0962776	.3039758
cohort2002	-.0210201	.1589055	-0.13	0.895	-.3397443	.297704
cohort2003	.0307999	.1991548	0.15	0.878	-.368654	.4302539
cohort2004	.4281179	.2964438	1.44	0.155	-.1664731	1.022709
award_b4_tsd	.2082344	.12446	1.67	0.100	-.0414008	.4578696
diaward_tsd	-.0176717	.0039789	-4.44	0.000	-.0256524	-.0096909
epeb4twp_flag	-.9397411	2.875874	-0.33	0.745	-6.708014	4.828532
ldwb4twp_flag	-2.966279	1.698968	-1.75	0.087	-6.373976	.4414194
ldwb4epe_flag	7.002161	1.096748	6.38	0.000	4.802363	9.201959
twpb4tsd	6.401181	.2956335	21.65	0.000	5.808216	6.994147
epeb4tsd	1.071998	.1771989	6.05	0.000	.7165825	1.427414
ldwb4tsd	16.8474	.3999577	42.12	0.000	16.04519	17.64962
st_AL	.2623247	.1513383	1.73	0.089	-.0412215	.5658709
st_AR	-.5100499	.1408578	-3.62	0.001	-.7925748	-.227525
st_AZ	-.108666	.1423018	-0.76	0.448	-.3940873	.1767553

st_CA	.8216558	.1501114	5.47	0.000	.5205704	1.122741
st_CO	-.5925675	.1411834	-4.20	0.000	-.8757455	-.3093896
st_CT	-.2832032	.1404754	-2.02	0.049	-.5649612	-.0014452
st_DC	.7372281	.1426807	5.17	0.000	.4510467	1.023409
st_DE	.1864235	.1418638	1.31	0.194	-.0981192	.4709663
st_FL	-.4436671	.1422551	-3.12	0.003	-.7289948	-.1583395
st_GA	.0401771	.140993	0.28	0.777	-.242619	.3229733
st_HI	.6477813	.1516411	4.27	0.000	.3436279	.9519347
st_IA	-1.058164	.1421413	-7.44	0.000	-1.343263	-.7730643
st_ID	.302497	.1523748	1.99	0.052	-.0031282	.6081221
st_IL	-.4513297	.1427788	-3.16	0.003	-.7377076	-.1649517
st_IN	-.2152289	.1403405	-1.53	0.131	-.4967163	.0662585
st_KS	-.1557216	.1395333	-1.12	0.269	-.4355899	.1241466
st_KY	-.3766024	.1421845	-2.65	0.011	-.6617884	-.0914165
st_LA	-.0503257	.1404008	-0.36	0.721	-.331934	.2312826
st_MA	-.1398405	.1438169	-0.97	0.335	-.4283007	.1486197
st_MD	.8681686	.1521735	5.71	0.000	.5629472	1.17339
st_ME	.4789742	.1509189	3.17	0.003	.1762693	.7816791
st_MI	-.2359138	.1405155	-1.68	0.099	-.5177522	.0459247
st_MN	.2946913	.1526292	1.93	0.059	-.011444	.6008267
st_MO	-.3924754	.1399912	-2.80	0.007	-.6732623	-.1116886
st_MS	-.022195	.1407034	-0.16	0.875	-.3044103	.2600203
st_MT	-.0910712	.139646	-0.65	0.517	-.3711656	.1890232
st_NC	.1103959	.1515094	0.73	0.469	-.1934935	.4142852
st_ND	-.5867805	.1391327	-4.22	0.000	-.8658453	-.3077156
st_NE	.0309155	.1508551	0.20	0.838	-.2716615	.3334926
st_NH	.2870727	.1414482	2.03	0.047	.0033636	.5707819
st_NJ	-.0370251	.140552	-0.26	0.793	-.3189367	.2448865
st_NM	.1134234	.140837	0.81	0.424	-.16906	.3959067
st_NV	-.300946	.1401795	-2.15	0.036	-.5821105	-.0197814
st_NY	-.2305734	.1422024	-1.62	0.111	-.5157954	.0546486
st_OH	.2739454	.1510339	1.81	0.075	-.0289902	.576881
st_OK	.0491489	.1421158	0.35	0.731	-.2358993	.3341972
st_OR	-.5308834	.1433603	-3.70	0.001	-.8184278	-.243339
st_PA	.5044825	.1503648	3.36	0.001	.2028889	.806076
st_PR	-.0091884	.1590174	-0.06	0.954	-.328137	.3097602
st_RI	.7740901	.1529629	5.06	0.000	.4672854	1.080895
st_SC	-.52673	.1442336	-3.65	0.001	-.816026	-.2374341
st_SD	-.5094628	.1392771	-3.66	0.001	-.7888172	-.2301085
st_TN	-.2949725	.1408905	-2.09	0.041	-.577563	-.012382
st_TX	.5418318	.1508571	3.59	0.001	.2392508	.8444128
st_UT	.4176419	.1515258	2.76	0.008	.1137196	.7215642
st_VA	-.0341664	.1401953	-0.24	0.808	-.3153625	.2470297
st_VT	-.7906216	.1424305	-5.55	0.000	-1.076301	-.5049421
st_WA	.583036	.1501255	3.88	0.000	.2819224	.8841496
st_WI	-.3364767	.1424656	-2.36	0.022	-.6222265	-.050727
st_WV	.3713685	.1520592	2.44	0.018	.0663763	.6763607
st_WY	.3677918	.1554145	2.37	0.022	.0560699	.6795138
pial	.0002226	.0001679	1.33	0.190	-.0001141	.0005593
pia_miss	-.5155386	.1402717	-3.68	0.001	-.796888	-.2341892
ime1	.0001658	.0000611	2.71	0.009	.0000433	.0002882
ime_miss	-.1978365	.0788272	-2.51	0.015	-.3559439	-.0397292
phase2_st	.5830933	.0866485	6.73	0.000	.4092984	.7568883
_cons	1.605447	.2787441	5.76	0.000	1.046357	2.164537

(1) motoimm = 0

F(1, 53) = 0.90
 Prob > F = 0.3473

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\LPMOutput\ModelC\L
 PM_PH2_PH3_interact_

```
> nounemp.xls
dir : seeout
. *
.
. capture log close
```

3. Log File for Instrumental Variables Models with Discrete MM Indicators (With and Without State Level Unemployment Measures)

```
-----  
-----  
-----  
name: <unnamed>  
log: N:\Secure_Data-  
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IV_ModelD.txt  
log type: text  
opened on: 14 Dec 2012, 14:42:27  
  
. .  
. .  
. .  
/ *=====*/  
> mathematica header  
>  
> project: 08977 TTW Impact Analysis  
> program: IV_ModelD.do  
>  
> =====*/  
. .  
. .  
. ***local for input path  
. local input "N:\Secure_Data-  
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Data\OutputFolder\LPMRestrict  
edStata"  
  
. local path "N:\Secure_Data-  
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD"  
  
. .  
. .  
. ***load data  
. use "`input'",clear  
(SAVASTATA created this dataset on 23OCT2012)  
  
. .  
. .  
. ***Currently records with a missing first mail date have zeros for all of their MM.  
. ***If a record is missing a first mail date then I am going to mark their MM dummy  
variable  
. ***with a 1 in the month of their IMM  
. foreach n of numlist 1(1)31 {  
2. replace mm`n' = 1 if imm_month == `n' & frstmailmiss == 1  
3. }  
(3 real changes made)  
(0 real changes made)  
(31 real changes made)  
(74 real changes made)  
(99 real changes made)  
(21 real changes made)  
(21 real changes made)  
(13 real changes made)  
(25 real changes made)  
(0 real changes made)  
(0 real changes made)  
(22 real changes made)  
(21 real changes made)  
(38 real changes made)
```



```

(57 real changes made)
(60 real changes made)
(62 real changes made)
(83 real changes made)
(90 real changes made)
(90 real changes made)
(15 real changes made)
(0 real changes made)
(52 real changes made)
(78 real changes made)
(115 real changes made)
(111 real changes made)
(133 real changes made)
(150 real changes made)
(175 real changes made)
(180 real changes made)
(191 real changes made)

. *
.
.
. ***Recode records with a mail date after the phase to the last mail month
. replace mm9 = 1 if phase1_st_ny == 1 & mmaft == 1
(7 real changes made)

. replace mm5 = 1 if phase1_st_nony == 1 & mmaft == 1
(19 real changes made)

. replace mm20 = 1 if phase2_st == 1 & mmaft == 1
(51 real changes made)

. replace mm31 = 1 if phase3_st == 1 & mmaft == 1
(173 real changes made)

.
.
.
. ***create normalized intended mail months
. ***phase 1 NY
. foreach v in imm1 imm4 imm6 imm7 imm8 {
2.   gen `v'_adj_ny = `v' - imm9
3. }

. *
.
. ***phase 1 No NY
. foreach v in imm1 imm3 imm4 {
2.   gen `v'_adj = `v' - imm5
3. }

. *
.
. ***phase 2
. foreach v in imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19 {
2.   gen `v'_adj = `v' - imm20
3. }

. *
.
. ***phase 3
. foreach v in imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30 {
2.   gen `v'_adj = `v' - imm31
3. }

```

```

. *
.
. ***create normalized mail months
. ***phase 1 NY
. foreach v in mm1 mm4 mm6 mm7 mm8 mmiss mmaft{
.   2.   gen `v'_adj_ny = `v' - mm9
.   3. }

. *
.
. ***phase 1 No NY
. foreach v in mm1 mm3 mm4 {
.   2.   gen `v'_adj = `v' - mm5
.   3. }

. *
.
. ***phase 2
. foreach v in mm10 mm12 mm13 mm14 mm15 mm16 mm17 mm18 mm19 {
.   2.   gen `v'_adj = `v' - mm20
.   3. }

. *
.
. ***phase 3
. foreach v in mm21 mm23 mm24 mm25 mm26 mm27 mm28 mm29 mm30 {
.   2.   gen `v'_adj = `v' - mm31
.   3. }

. *
.
.
.
.
. ***create pooled intended mail months
. gen imm_p11 = (imm10 == 1 | imm21 == 1)

. gen imm_p13 = (imm12 == 1 | imm23 == 1)

. gen imm_p14 = (imm13 == 1 | imm24 == 1)

. gen imm_p15 = (imm14 == 1 | imm25 == 1)

. gen imm_p16 = (imm15 == 1 | imm26 == 1)

. gen imm_p17 = (imm16 == 1 | imm27 == 1)

. gen imm_p18 = (imm17 == 1 | imm28 == 1)

. gen imm_p19 = (imm18 == 1 | imm29 == 1)

. gen imm_p110 = (imm19 == 1 | imm30 == 1)

. gen imm_p111 = (imm20 == 1 | imm31 == 1)

.
. ***create pooled mail months
. gen mm_p11 = (mm10 == 1 | mm21 == 1)

. gen mm_p13 = (mm12 == 1 | mm23 == 1)

. gen mm_p14 = (mm13 == 1 | mm24 == 1)

```

```

. gen mm_p15 = (mm14 == 1 | mm25 == 1)
. gen mm_p16 = (mm15 == 1 | mm26 == 1)
. gen mm_p17 = (mm16 == 1 | mm27 == 1)
. gen mm_p18 = (mm17 == 1 | mm28 == 1)
. gen mm_p19 = (mm18 == 1 | mm29 == 1)
. gen mm_p110 = (mm19 == 1 | mm30 == 1)
. gen mm_p111 = (mm20 == 1 | mm31 == 1)

.
. ***create normalized intended mail months
. ***phase 2 and phase 3 pooled
. foreach v of varlist imm_p11 - imm_p110 {
2.   gen `v'_adj = `v' - imm_p111
3. }

. *
.
. ***created interacted versions of pooled imm
. foreach v of varlist imm_p11 - imm_p111 {
2.   gen int_`v' = phase2_st*`v'
3. }

. *
.
. ***create interacted adjusted versions of pooled imms
. foreach v of varlist int_imm_p11 - int_imm_p110 {
2.   gen `v'_adj = `v' - int_imm_p111
3. }

. *
.
. ***create normalized mail months
. ***phase 2 and phase 3 pooled
. foreach v of varlist mm_p11 - mm_p110 {
2.   gen `v'_adj = `v' - mm_p111
3. }

. *
.
. ***created interacted versions of pooled imm
. foreach v of varlist mm_p11 - mm_p111 {
2.   gen int_`v' = phase2_st*`v'
3. }

. *
.
. ***create interacted adjusted versions of pooled imms
. foreach v of varlist int_mm_p11 - int_mm_p110 {
2.   gen `v'_adj = `v' - int_mm_p111
3. }

. *
.
. ***local macro for covariates

```

```

. local unemp /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
> doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis
///
> tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
> tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
> tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
> /*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003
cohort2004 ///
> award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
> st_AL-st_TN st_TX-st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss
ime1 ime_miss

.
. local nounemp /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
> doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis
///
> tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
> tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
> tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
> /*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003
cohort2004 ///
> award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
> st_AL-st_TN st_TX-st_WY pial pia_miss ime1 ime_miss

.
. local nounempny /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
> doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis
///
> tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
> tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
> tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
> /*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003
cohort2004 ///
> award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd ///
> /*st_AL-st_TN st_TX-st_WY tsd_unemp_mean tsd_unemp_cng*/ pial
pia_miss ime1 ime_miss

.
.
. ***local for imm mail months
. local phlnyimm_adj "imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny imm8_adj_ny "
. local phlnonyimm_adj "imm1_adj imm3_adj imm4_adj "
. local phase2imm_adj "imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj imm16_adj
imm17_adj imm18_adj imm19_adj "
. local phase3imm_adj "imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj imm27_adj
imm28_adj imm29_adj imm30_adj "

.
. ***local for mm mail months
. local phlnymm_adj "mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny "

```

```

. local phlnonymm_adj "mm1_adj mm3_adj mm4_adj "

. local phase2mm_adj "mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj mm17_adj
mm18_adj mm19_adj "

. local phase3mm_adj "mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj mm28_adj
mm29_adj mm30_adj "

.
. ***local for imm mail months
. local phlnyimm "imm1_ny imm4_ny imm6_ny imm7_ny imm8_ny "

. local phlnonyimm "imm1 imm3 imm4 "

. local phase2imm "imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19 "

. local phase3imm "imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30 "

.
. ***local for mm mail months
. local phlnyimm "mm1_ny mm4_ny mm6_ny mm7_ny mm8_ny "

. local phlnonymm "mm1 mm3 mm4 "

. local phase2mm "mm10 mm12 mm13 mm14 mm15 mm16 mm17 mm18 mm19 "

. local phase3mm "mm21 mm23 mm24 mm25 mm26 mm27 mm28 mm29 mm30 "

.
. ***local for pooled intended mail months
. local imm "imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj imm_pl6_adj
imm_pl7_adj imm_pl8_adj imm_pl9_adj imm_pl10_adj "

. local int_imm "int_imm_pl1_adj int_imm_pl3_adj int_imm_pl4_adj int_imm_pl5_adj
int_imm_pl6_adj int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj int_imm_pl10_adj"

.
. ***local for pooled mail months
. local mm "mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj mm_pl7_adj
mm_pl8_adj mm_pl9_adj mm_pl10_adj "

. local int_mm "int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj int_mm_pl5_adj
int_mm_pl6_adj int_mm_pl7_adj int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj"

.
.
. ***new local for macro with covariates
. local enemplist unemp nounemp

.
. ***new local for macro with dependent variables
. local depen ldwroll12 ldwroll24 ldwroll36 ldwroll48 ///
> eperoll12 eperoll24 eperoll36 eperoll48 ///
> twproll12 twproll24 twproll36 twproll48 ///
> srvroll12 srvroll24 srvroll36 srvroll48 ///
> nstw12 nstw24 nstw36 nstw48

.
. set line 200

. /*
> tablist `phlnyimm_adj' imm9 if phase1_st_ny ==1,sort(v) ab(30)
> tablist `phlnyimm_adj' mm9 mmaft mmmis mmoth if phase1_st_ny ==1,sort(v) ab(30)

```

```

>
> reg ldwroll12 mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny `nounemp' if
phase1_st_ny ==1, robust
> reg mm1_adj_ny imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny imm8_adj_ny if
phase1_st_ny ==1
> */
.
. foreach v of local depen {
2. di _n(2) as result as result `***Phase 1 NY*** dependent variable: `v',
unemployment: nounemp"
3. ***phase 1 only NY
. ivreg2 `v' `nounempny' ( `ph1nymm_adj' = `ph1nyimm_adj') if phase1_st_ny == 1,
ffirst partial(`nounempny') robust
4.
. ***estimate last mail month
. lincom -(mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny)
5.
. local tstat=r(estimate)/r(se)
6. local estimate = r(estimate)
7. local se = r(se)
8.
. ***estimate sum of mail months
. lincom mm1_adj_ny+mm4_adj_ny+mm6_adj_ny+mm7_adj_ny+mm8_adj_ny+`estimate'
9. local estimatel = r(estimate)
10.
. ***new test
. test (mm4_adj_ny - mm1_adj_ny)/3 = (mm6_adj_ny - mm4_adj_ny)/2 = mm7_adj_ny -
mm6_adj_ny = mm8_adj_ny - mm7_adj_ny
11. local new_tst_chi2 = r(chi2)
12. local new_tst_pvalue = r(p)
13.
. ***F test
. test mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny
14. local joint_chi2 = r(chi2)
15. local joint_pvalue = r(p)
16.
.
. test (mm1_adj_ny+mm4_adj_ny+mm6_adj_ny+mm7_adj_ny+mm8_adj_ny)=0
17. local jointsum_chi2 = r(chi2)
18. local jointsum_pvalue = r(p)
19.
.
. if "`v'" == "ldwroll12" {
20. cap erase "`path'\IV_PH1NY_nounempny.xls"
21. cap erase "`path'\IV_PH1NY_nounempny.txt"
22. } /* close if loop */
23.
. outreg2 using "`path'\IV_PH1NY_nounempny.xls", ///
> keep( mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny) nocons sideway
stats(coef se tstat) ///
> bdec(4) sdec(3) tdec(2) noparen ///
> addstat(mm9_adj_ny,`estimate', se,`se',tstat, `tstat', ///
>
joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue',jointsum_chi2,`jointsum_chi2',
///
> jointsum_pvalue,`jointsum_pvalue',zero,`estimatel',new_tst_chi2,
`new_tst_chi2',new_tst_pvalue, `new_tst_pvalue')
24.
.
. } /* close loop for events */

```

```

***Phase 1 NY*** dependent variable: ldwroll12, unemployment: nounemp

```

Warning - collinearities detected
 Vars dropped: gendermiss_flag doage2miss_flag

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(5, 11974)	P-val	AP Chi-sq(1)	P-val	AP F(1, 11974)	
mm1_adj_ny	2.3e+05	0.0000	1.0e+06	0.0000	1.0e+06	
mm4_adj_ny	29822.13	0.0000	84444.33	0.0000	84100.17	
mm6_adj_ny	32818.00	0.0000	1.4e+05	0.0000	1.4e+05	
mm7_adj_ny	31503.56	0.0000	1.3e+05	0.0000	1.2e+05	
mm8_adj_ny	27394.09	0.0000	95961.70	0.0000	95570.61	

NB: first-stage test statistics heteroskedasticity-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	18.37
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=1758.57 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 28851.74

Kleibergen-Paap Wald rk F statistic 16436.45

Stock-Yogo weak ID test critical values for K1=5 and L1=5:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(5,11974)= 0.91 P-val=0.4730

Anderson-Rubin Wald test Chi-sq(5)= 4.57 P-val=0.4705

Stock-Wright LM S statistic Chi-sq(5)= 4.57 P-val=0.4709

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023

Number of regressors K = 5

Number of endogenous regressors K1 = 5

Number of instruments L = 5

Number of excluded instruments L1 = 5

Number of partialled-out regressors/IVs = 44

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

Number of obs = 12023

		F(5, 11974) =	0.91	
		Prob > F =	0.4730	
Total (centered) SS	=	214.6431191	Centered R2 =	0.0004
Total (uncentered) SS	=	214.6431191	Uncentered R2 =	0.0004
Residual SS	=	214.5599781	Root MSE =	.1336

ldwroll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj_ny	-.0022943	.003323	-0.69	0.490	-.0088072	.0042186
mm4_adj_ny	.0011458	.0034095	0.34	0.737	-.0055366	.0078283
mm6_adj_ny	-.0016661	.0025217	-0.66	0.509	-.0066085	.0032763
mm7_adj_ny	.001661	.0026368	0.63	0.529	-.0035071	.006829
mm8_adj_ny	-.0031897	.0024739	-1.29	0.197	-.0080385	.0016591

Underidentification test (Kleibergen-Paap rk LM statistic): 1758.574
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.9e+04
(Kleibergen-Paap rk Wald F statistic): 1.6e+04
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny
Included instruments:
Excluded instruments: imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny
imm8_adj_ny
Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss
ime1 ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables
Dropped collinear: gendermiss_flag doage2miss_flag

$$(1) - mm1_adj_ny - mm4_adj_ny - mm6_adj_ny - mm7_adj_ny - mm8_adj_ny = 0$$

ldwroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0043432	.0029283	1.48	0.138	-.0013962	.0100827

$$(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = -.0043432$$

ldwroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	1.73e-18	.0029283	0.00	1.000	-.0057395	.0057395

$$(1) - .3333333*mm1_adj_ny + .8333333*mm4_adj_ny - .5*mm6_adj_ny = 0$$

$$(2) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm6_adj_ny - mm7_adj_ny = 0$$

$$(3) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm7_adj_ny - mm8_adj_ny = 0$$

chi2(3) = 2.14
Prob > chi2 = 0.5441

- (1) mm1_adj_ny = 0
- (2) mm4_adj_ny = 0
- (3) mm6_adj_ny = 0
- (4) mm7_adj_ny = 0
- (5) mm8_adj_ny = 0

chi2(5) = 4.57
Prob > chi2 = 0.4705

- (1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = 0

chi2(1) = 2.20
Prob > chi2 = 0.1380

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH1NY_nounempny.xls
dir : seeout

Phase 1 NY dependent variable: ldwroll24, unemployment: nounemp
Warning - collinearities detected
Vars dropped: gendermiss_flag doage2miss_flag

Summary results for first-stage regressions

Variable	F(5, 11974)		(Underid)		(Weak id)	
	P-val	P-val	AP Chi-sq(1)	P-val	AP F(1, 11974)	P-val
mm1_adj_ny	2.3e+05	0.0000	1.0e+06	0.0000	1.0e+06	
mm4_adj_ny	29822.13	0.0000	84444.33	0.0000	84100.17	
mm6_adj_ny	32818.00	0.0000	1.4e+05	0.0000	1.4e+05	
mm7_adj_ny	31503.56	0.0000	1.3e+05	0.0000	1.2e+05	
mm8_adj_ny	27394.09	0.0000	95961.70	0.0000	95570.61	

NB: first-stage test statistics heteroskedasticity-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias 18.37
10% maximal IV size 16.38
15% maximal IV size 8.96
20% maximal IV size 6.66
25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
Ha: matrix has rank=K1 (identified)
Kleibergen-Paap rk LM statistic Chi-sq(1)=1758.57 P-val=0.0000

Weak identification test
Ho: equation is weakly identified
Cragg-Donald Wald F statistic 28851.74
Kleibergen-Paap Wald rk F statistic 16436.45

Stock-Yogo weak ID test critical values for K1=5 and L1=5: <not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(5,11974)= 0.23 P-val=0.9512
 Anderson-Rubin Wald test Chi-sq(5)= 1.14 P-val=0.9508
 Stock-Wright LM S statistic Chi-sq(5)= 1.14 P-val=0.9508

NB: Underidentification, weak identification and weak-identification-robust
 test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 5
 Number of endogenous regressors K1 = 5
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(5, 11974) =	0.23
		Prob > F =	0.9512
Total (centered) SS	=	432.5343602	Centered R2 = 0.0001
Total (uncentered) SS	=	432.5343602	Uncentered R2 = 0.0001
Residual SS	=	432.5039303	Root MSE = .1897

ldwroll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj_ny	.0014293	.0049413	0.29	0.772	-.0082554	.011114
mm4_adj_ny	-.002243	.0047667	-0.47	0.638	-.0115856	.0070997
mm6_adj_ny	-.0010758	.0036577	-0.29	0.769	-.0082448	.0060933
mm7_adj_ny	.0016649	.0037402	0.45	0.656	-.0056657	.0089955
mm8_adj_ny	-.0022048	.0036847	-0.60	0.550	-.0094267	.005017

Underidentification test (Kleibergen-Paap rk LM statistic): 1758.574
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.9e+04
 (Kleibergen-Paap rk Wald F statistic): 1.6e+04
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny
 Included instruments:
 Excluded instruments: imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny
 imm8_adj_ny
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss
 ime1 ime_miss _cons

nb: small-sample adjustments account for
 partialled-out variables

Dropped collinear: gendermiss_flag doage2miss_flag

(1) - mm1_adj_ny - mm4_adj_ny - mm6_adj_ny - mm7_adj_ny - mm8_adj_ny = 0

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0024294	.0039092	0.62	0.534	-.0052325	.0100913

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = -.0024294

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	4.77e-17	.0039092	0.00	1.000	-.0076619	.0076619

- (1) - .3333333*mm1_adj_ny + .8333333*mm4_adj_ny - .5*mm6_adj_ny = 0
- (2) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm6_adj_ny - mm7_adj_ny = 0
- (3) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm7_adj_ny - mm8_adj_ny = 0

chi2(3) = 0.67
 Prob > chi2 = 0.8813

- (1) mm1_adj_ny = 0
- (2) mm4_adj_ny = 0
- (3) mm6_adj_ny = 0
- (4) mm7_adj_ny = 0
- (5) mm8_adj_ny = 0

chi2(5) = 1.14
 Prob > chi2 = 0.9508

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = 0

chi2(1) = 0.39
 Prob > chi2 = 0.5343

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NY_nounempny.xls
 dir : seeout

Phase 1 NY dependent variable: ldwroll36, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: gendermiss_flag doage2miss_flag

Summary results for first-stage regressions

Variable	F(5, 11974)		(Underid)		(Weak id)	
	P-val	P-val	AP Chi-sq(1)	P-val	AP F(1, 11974)	P-val
mm1_adj_ny	2.3e+05	0.0000	1.0e+06	0.0000	1.0e+06	
mm4_adj_ny	29822.13	0.0000	84444.33	0.0000	84100.17	
mm6_adj_ny	32818.00	0.0000	1.4e+05	0.0000	1.4e+05	
mm7_adj_ny	31503.56	0.0000	1.3e+05	0.0000	1.2e+05	
mm8_adj_ny	27394.09	0.0000	95961.70	0.0000	95570.61	

NB: first-stage test statistics heteroskedasticity-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	18.37
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=1758.57 P-val=0.0000

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 28851.74
 Kleibergen-Paap Wald rk F statistic 16436.45

Stock-Yogo weak ID test critical values for K1=5 and L1=5: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(5,11974)= 0.97 P-val=0.4315
 Anderson-Rubin Wald test Chi-sq(5)= 4.89 P-val=0.4290
 Stock-Wright LM S statistic Chi-sq(5)= 4.89 P-val=0.4296

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 5
 Number of endogenous regressors K1 = 5
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(5, 11974) =	0.97
		Prob > F =	0.4316
Total (centered) SS	=	Centered R2 =	0.0003
Total (uncentered) SS	=	Uncentered R2 =	0.0003
Residual SS	=	Root MSE =	.2269

ldwroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj_ny	.0070225	.0060612	1.16	0.247	-.0048572	.0189022
mm4_adj_ny	.0077423	.0062716	1.23	0.217	-.0045497	.0200343
mm6_adj_ny	-.0045488	.0043646	-1.04	0.297	-.0131032	.0040056
mm7_adj_ny	-.0056912	.0043667	-1.30	0.192	-.0142499	.0028675
mm8_adj_ny	-.0044111	.0044798	-0.98	0.325	-.0131914	.0043691

Underidentification test (Kleibergen-Paap rk LM statistic): 1758.574
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.9e+04
(Kleibergen-Paap rk Wald F statistic): 1.6e+04
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny
Included instruments:
Excluded instruments: imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny
imm8_adj_ny
Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss
imel ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables
Dropped collinear: gendermiss_flag doage2miss_flag

(1) - mm1_adj_ny - mm4_adj_ny - mm6_adj_ny - mm7_adj_ny - mm8_adj_ny = 0

ldwroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0001137	.0046398	-0.02	0.980	-.0092075 .00898

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = .0001137

ldwroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-3.85e-17	.0046398	-0.00	1.000	-.0090938 .0090938

(1) - .3333333*mm1_adj_ny + .8333333*mm4_adj_ny - .5*mm6_adj_ny = 0
(2) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm6_adj_ny - mm7_adj_ny = 0
(3) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm7_adj_ny - mm8_adj_ny = 0

chi2(3) = 1.19
Prob > chi2 = 0.7544

(1) mm1_adj_ny = 0
(2) mm4_adj_ny = 0
(3) mm6_adj_ny = 0
(4) mm7_adj_ny = 0
(5) mm8_adj_ny = 0

chi2(5) = 4.89
Prob > chi2 = 0.4291

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = 0

chi2(1) = 0.00
 Prob > chi2 = 0.9804

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NY_nounempny.xls
 dir : seeout

Phase 1 NY dependent variable: ldwroll48, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: gendermiss_flag doage2miss_flag

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(5, 11974)	P-val	AP Chi-sq(1)	P-val	AP F(1, 11974)	P-val
mm1_adj_ny	2.3e+05	0.0000	1.0e+06	0.0000	1.0e+06	
mm4_adj_ny	29822.13	0.0000	84444.33	0.0000	84100.17	
mm6_adj_ny	32818.00	0.0000	1.4e+05	0.0000	1.4e+05	
mm7_adj_ny	31503.56	0.0000	1.3e+05	0.0000	1.2e+05	
mm8_adj_ny	27394.09	0.0000	95961.70	0.0000	95570.61	

NB: first-stage test statistics heteroskedasticity-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 18.37
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=1758.57 P-val=0.0000

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 28851.74
 Kleibergen-Paap Wald rk F statistic 16436.45

Stock-Yogo weak ID test critical values for K1=5 and L1=5: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(5,11974)= 0.70 P-val=0.6222
 Anderson-Rubin Wald test Chi-sq(5)= 3.52 P-val=0.6200
 Stock-Wright LM S statistic Chi-sq(5)= 3.52 P-val=0.6206

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 5
 Number of endogenous regressors K1 = 5
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(5, 11974) =	0.70
		Prob > F =	0.6223
Total (centered) SS	=	783.0109069	Centered R2 = 0.0002
Total (uncentered) SS	=	783.0109069	Uncentered R2 = 0.0002
Residual SS	=	782.857496	Root MSE = .2552

ldwroll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj_ny	.0018186	.0065108	0.28	0.780	-.0109424	.0145795
mm4_adj_ny	.009743	.0069943	1.39	0.164	-.0039655	.0234515
mm6_adj_ny	-.002352	.0049692	-0.47	0.636	-.0120915	.0073875
mm7_adj_ny	-.0010421	.0050436	-0.21	0.836	-.0109274	.0088433
mm8_adj_ny	-.0074096	.004973	-1.49	0.136	-.0171566	.0023374

Underidentification test (Kleibergen-Paap rk LM statistic): 1758.574
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.9e+04
(Kleibergen-Paap rk Wald F statistic): 1.6e+04

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny
Included instruments:
Excluded instruments: imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny imm8_adj_ny
Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for partialled-out variables
Dropped collinear: gendermiss_flag doage2miss_flag

(1) - mm1_adj_ny - mm4_adj_ny - mm6_adj_ny - mm7_adj_ny - mm8_adj_ny = 0

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0007579	.0051494	-0.15	0.883	-.0108506	.0093347

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = .0007579

ldwroll148	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	3.04e-17	.0051494	0.00	1.000	-.0100927	.0100927

- (1) - .3333333*mm1_adj_ny + .8333333*mm4_adj_ny - .5*mm6_adj_ny = 0
(2) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm6_adj_ny - mm7_adj_ny = 0
(3) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm7_adj_ny - mm8_adj_ny = 0

chi2(3) = 1.89
Prob > chi2 = 0.5950

- (1) mm1_adj_ny = 0
(2) mm4_adj_ny = 0
(3) mm6_adj_ny = 0
(4) mm7_adj_ny = 0
(5) mm8_adj_ny = 0

chi2(5) = 3.52
Prob > chi2 = 0.6201

- (1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = 0

chi2(1) = 0.02
Prob > chi2 = 0.8830

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PhlNY_nounempny.xls
dir : seeout

Phase 1 NY dependent variable: eperoll12, unemployment: nounemp
Warning - collinearities detected
Vars dropped: gendermiss_flag doage2miss_flag

Summary results for first-stage regressions

Variable	F(5, 11974)		(Underid)		(Weak id)	
	P-val	P-val	AP Chi-sq(1)	P-val	AP F(1, 11974)	P-val
mm1_adj_ny	2.3e+05	0.0000	1.0e+06	0.0000	1.0e+06	0.0000
mm4_adj_ny	29822.13	0.0000	84444.33	0.0000	84100.17	0.0000
mm6_adj_ny	32818.00	0.0000	1.4e+05	0.0000	1.4e+05	0.0000
mm7_adj_ny	31503.56	0.0000	1.3e+05	0.0000	1.2e+05	0.0000
mm8_adj_ny	27394.09	0.0000	95961.70	0.0000	95570.61	0.0000

NB: first-stage test statistics heteroskedasticity-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias 18.37
10% maximal IV size 16.38
15% maximal IV size 8.96
20% maximal IV size 6.66
25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
Ha: matrix has rank=K1 (identified)
Kleibergen-Paap rk LM statistic Chi-sq(1)=1758.57 P-val=0.0000

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 28851.74
 Kleibergen-Paap Wald rk F statistic 16436.45

Stock-Yogo weak ID test critical values for K1=5 and L1=5: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(5,11974)= 0.43 P-val=0.8270
 Anderson-Rubin Wald test Chi-sq(5)= 2.17 P-val=0.8257
 Stock-Wright LM S statistic Chi-sq(5)= 2.17 P-val=0.8258

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 5
 Number of endogenous regressors K1 = 5
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(5, 11974) =	0.43
		Prob > F =	0.8270
Total (centered) SS =	251.9515859	Centered R2 =	0.0001
Total (uncentered) SS =	251.9515859	Uncentered R2 =	0.0001
Residual SS =	251.9141965	Root MSE =	.1448

eperoll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj_ny	-.0014737	.0037672	-0.39	0.696	-.0088573	.00591
mm4_adj_ny	.0030778	.0037872	0.81	0.416	-.0043449	.0105005
mm6_adj_ny	-.0021373	.0026937	-0.79	0.428	-.0074168	.0031421
mm7_adj_ny	-.0022578	.002776	-0.81	0.416	-.0076987	.0031832
mm8_adj_ny	.0006898	.0028775	0.24	0.811	-.00495	.0063296

Underidentification test (Kleibergen-Paap rk LM statistic): 1758.574
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.9e+04
 (Kleibergen-Paap rk Wald F statistic): 1.6e+04

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny
 Included instruments:
 Excluded instruments: imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny
 imm8_adj_ny

Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss
 ime1 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables
 Dropped collinear: gendermiss_flag doage2miss_flag

(1) - mm1_adj_ny - mm4_adj_ny - mm6_adj_ny - mm7_adj_ny - mm8_adj_ny = 0

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0021012	.0030747	0.68	0.494	-.003925 .0081274

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = -.0021012

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	1.39e-17	.0030747	0.00	1.000	-.0060262 .0060262

(1) - .3333333*mm1_adj_ny + .8333333*mm4_adj_ny - .5*mm6_adj_ny = 0
 (2) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm6_adj_ny - mm7_adj_ny = 0
 (3) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm7_adj_ny - mm8_adj_ny = 0

chi2(3) = 1.52
 Prob > chi2 = 0.6785

(1) mm1_adj_ny = 0
 (2) mm4_adj_ny = 0
 (3) mm6_adj_ny = 0
 (4) mm7_adj_ny = 0
 (5) mm8_adj_ny = 0

chi2(5) = 2.17
 Prob > chi2 = 0.8257

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = 0

chi2(1) = 0.47
 Prob > chi2 = 0.4944

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NY_nounempny.xls
 dir : seeout

Phase 1 NY dependent variable: eperoll24, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: gendermiss_flag doage2miss_flag

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(5, 11974)	P-val	AP Chi-sq(1)	P-val
mm1_adj_ny	2.3e+05	0.0000	1.0e+06	0.0000
mm4_adj_ny	29822.13	0.0000	84444.33	0.0000
mm6_adj_ny	32818.00	0.0000	1.4e+05	0.0000
mm7_adj_ny	31503.56	0.0000	1.3e+05	0.0000
mm8_adj_ny	27394.09	0.0000	95961.70	0.0000

NB: first-stage test statistics heteroskedasticity-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	18.37
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=1758.57 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 28851.74

Kleibergen-Paap Wald rk F statistic 16436.45

Stock-Yogo weak ID test critical values for K1=5 and L1=5:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(5,11974)= 0.57 P-val=0.7226

Anderson-Rubin Wald test Chi-sq(5)= 2.86 P-val=0.7208

Stock-Wright LM S statistic Chi-sq(5)= 2.86 P-val=0.7211

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023

Number of regressors K = 5

Number of endogenous regressors K1 = 5

Number of instruments L = 5

Number of excluded instruments L1 = 5

Number of partialled-out regressors/IVs = 44

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity

Total (centered) SS	= 490.0596595	Number of obs =	12023
Total (uncentered) SS	= 490.0596595	F(5, 11974) =	0.57
Residual SS	= 489.9466234	Prob > F =	0.7227
		Centered R2 =	0.0002
		Uncentered R2 =	0.0002
		Root MSE =	.2019

eperoll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj_ny	.0004695	.0052222	0.09	0.928	-.0097658	.0107048
mm4_adj_ny	.0054545	.0054542	1.00	0.317	-.0052356	.0161446
mm6_adj_ny	-.0049625	.0037915	-1.31	0.191	-.0123936	.0024686
mm7_adj_ny	-.0030899	.0039373	-0.78	0.433	-.0108068	.0046271
mm8_adj_ny	.0017861	.0040499	0.44	0.659	-.0061515	.0097237

Underidentification test (Kleibergen-Paap rk LM statistic): 1758.574
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.9e+04
(Kleibergen-Paap rk Wald F statistic): 1.6e+04

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny
Included instruments:
Excluded instruments: imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny imm8_adj_ny
Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for partialled-out variables
Dropped collinear: gendermiss_flag doage2miss_flag

$$(1) - mm1_adj_ny - mm4_adj_ny - mm6_adj_ny - mm7_adj_ny - mm8_adj_ny = 0$$

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0003422	.0041334	0.08	0.934	-.0077592	.0084435

$$(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = -.0003422$$

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-4.37e-17	.0041334	-0.00	1.000	-.0081014	.0081014

$$(1) - .3333333*mm1_adj_ny + .8333333*mm4_adj_ny - .5*mm6_adj_ny = 0$$

$$(2) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm6_adj_ny - mm7_adj_ny = 0$$

$$(3) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm7_adj_ny - mm8_adj_ny = 0$$

chi2(3) = 2.66
Prob > chi2 = 0.4474

$$(1) mm1_adj_ny = 0$$

$$(2) mm4_adj_ny = 0$$

(3) mm6_adj_ny = 0
 (4) mm7_adj_ny = 0
 (5) mm8_adj_ny = 0

chi2(5) = 2.86
 Prob > chi2 = 0.7209

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = 0

chi2(1) = 0.01
 Prob > chi2 = 0.9340

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NY_nounempny.xls
 dir : seeout

Phase 1 NY dependent variable: eperoll36, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: gendermiss_flag doage2miss_flag

Summary results for first-stage regressions

Variable	F(5, 11974)		(Underid)		(Weak id)	
	P-val	P-val	AP Chi-sq(1)	P-val	AP F(1, 11974)	P-val
mm1_adj_ny	2.3e+05	0.0000	1.0e+06	0.0000	1.0e+06	
mm4_adj_ny	29822.13	0.0000	84444.33	0.0000	84100.17	
mm6_adj_ny	32818.00	0.0000	1.4e+05	0.0000	1.4e+05	
mm7_adj_ny	31503.56	0.0000	1.3e+05	0.0000	1.2e+05	
mm8_adj_ny	27394.09	0.0000	95961.70	0.0000	95570.61	

NB: first-stage test statistics heteroskedasticity-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 18.37
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=1758.57 P-val=0.0000

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 28851.74
 Kleibergen-Paap Wald rk F statistic 16436.45

Stock-Yogo weak ID test critical values for K1=5 and L1=5: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(5,11974)= 1.01 P-val=0.4101
 Anderson-Rubin Wald test Chi-sq(5)= 5.07 P-val=0.4075
 Stock-Wright LM S statistic Chi-sq(5)= 5.06 P-val=0.4082

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 5
 Number of endogenous regressors K1 = 5
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(5, 11974) =	1.01
		Prob > F =	0.4103
Total (centered) SS	=	697.4777549	Centered R2 = 0.0003
Total (uncentered) SS	=	697.4777549	Uncentered R2 = 0.0003
Residual SS	=	697.2918145	Root MSE = .2408

eperoll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj_ny	.0007133	.0062359	0.11	0.909	-.0115088	.0129355
mm4_adj_ny	.0102367	.0067098	1.53	0.127	-.0029144	.0233877
mm6_adj_ny	-.0069755	.0045419	-1.54	0.125	-.0158774	.0019264
mm7_adj_ny	-.004661	.0047145	-0.99	0.323	-.0139012	.0045792
mm8_adj_ny	-.0027611	.0047382	-0.58	0.560	-.0120477	.0065256

Underidentification test (Kleibergen-Paap rk LM statistic): 1758.574
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.9e+04
 (Kleibergen-Paap rk Wald F statistic): 1.6e+04
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny
 Included instruments:
 Excluded instruments: imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny imm8_adj_ny
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss imel ime_miss_cons
 nb: small-sample adjustments account for partialled-out variables
 Dropped collinear: gendermiss_flag doage2miss_flag

(1) - mm1_adj_ny - mm4_adj_ny - mm6_adj_ny - mm7_adj_ny - mm8_adj_ny = 0

eperoll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0034476	.0049563	0.70	0.487	-.0062666	.0131617

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = -.0034476

eperoll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	9.97e-18	.0049563	0.00	1.000	-.0097141	.0097141

(1) - .3333333*mm1_adj_ny + .8333333*mm4_adj_ny - .5*mm6_adj_ny = 0
(2) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm6_adj_ny - mm7_adj_ny = 0
(3) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm7_adj_ny - mm8_adj_ny = 0

chi2(3) = 3.05
Prob > chi2 = 0.3845

(1) mm1_adj_ny = 0
(2) mm4_adj_ny = 0
(3) mm6_adj_ny = 0
(4) mm7_adj_ny = 0
(5) mm8_adj_ny = 0

chi2(5) = 5.07
Prob > chi2 = 0.4077

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = 0

chi2(1) = 0.48
Prob > chi2 = 0.4867

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH1NY_nounempny.xls
dir : seeout

Phase 1 NY dependent variable: eperoll48, unemployment: nounemp
Warning - collinearities detected
Vars dropped: gendermiss_flag doage2miss_flag

Summary results for first-stage regressions

Variable	F(5, 11974)		(Underid)		(Weak id)	
	P-val	P-val	AP Chi-sq(1)	P-val	AP F(1, 11974)	P-val
mm1_adj_ny	2.3e+05	0.0000	1.0e+06	0.0000	1.0e+06	
mm4_adj_ny	29822.13	0.0000	84444.33	0.0000	84100.17	
mm6_adj_ny	32818.00	0.0000	1.4e+05	0.0000	1.4e+05	
mm7_adj_ny	31503.56	0.0000	1.3e+05	0.0000	1.2e+05	
mm8_adj_ny	27394.09	0.0000	95961.70	0.0000	95570.61	

NB: first-stage test statistics heteroskedasticity-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias 18.37
10% maximal IV size 16.38
15% maximal IV size 8.96

20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=1758.57 P-val=0.0000

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 28851.74
 Kleibergen-Paap Wald rk F statistic 16436.45

Stock-Yogo weak ID test critical values for K1=5 and L1=5: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(5,11974)= 0.47 P-val=0.7980
 Anderson-Rubin Wald test Chi-sq(5)= 2.37 P-val=0.7966
 Stock-Wright LM S statistic Chi-sq(5)= 2.36 P-val=0.7969

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 5
 Number of endogenous regressors K1 = 5
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(5, 11974) =	0.47
		Prob > F =	0.7981
Total (centered) SS	= 898.0438644	Centered R2 =	0.0001
Total (uncentered) SS	= 898.0438644	Uncentered R2 =	0.0001
Residual SS	= 897.9544362	Root MSE =	.2733

eperoll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mm1_adj_ny	-.0045828	.0068381	-0.67	0.503	-.0179854 .0088197
mm4_adj_ny	.0094079	.0074846	1.26	0.209	-.0052616 .0240775
mm6_adj_ny	-.0046036	.0052293	-0.88	0.379	-.0148529 .0056457
mm7_adj_ny	-6.47e-06	.0054621	-0.00	0.999	-.0107119 .010699
mm8_adj_ny	-.0018018	.0054033	-0.33	0.739	-.0123922 .0087885

Underidentification test (Kleibergen-Paap rk LM statistic): 1758.574
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.9e+04
 (Kleibergen-Paap rk Wald F statistic): 1.6e+04

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny
Included instruments:
Excluded instruments: imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny
imm8_adj_ny
Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
tsd_mie_mis tsd_mie_psb1 tsd_medicare tsd_medicare_miss
tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss
ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables
Dropped collinear: gendermiss_flag doage2miss_flag

(1) - mm1_adj_ny - mm4_adj_ny - mm6_adj_ny - mm7_adj_ny - mm8_adj_ny = 0

eperoll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0015869	.0054778	0.29	0.772	-.0091495	.0123232

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = -.0015869

eperoll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	1.95e-17	.0054778	0.00	1.000	-.0107364	.0107364

(1) - .3333333*mm1_adj_ny + .8333333*mm4_adj_ny - .5*mm6_adj_ny = 0
(2) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm6_adj_ny - mm7_adj_ny = 0
(3) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm7_adj_ny - mm8_adj_ny = 0

chi2(3) = 2.18
Prob > chi2 = 0.5357

(1) mm1_adj_ny = 0
(2) mm4_adj_ny = 0
(3) mm6_adj_ny = 0
(4) mm7_adj_ny = 0
(5) mm8_adj_ny = 0

chi2(5) = 2.37
Prob > chi2 = 0.7967

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = 0

chi2(1) = 0.08
Prob > chi2 = 0.7721

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH1NY_nounempny.xls
dir : seeout

Phase 1 NY dependent variable: twproll12, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: gendermiss_flag doage2miss_flag

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(5, 11974)	P-val	AP Chi-sq(1)	P-val	AP F(1, 11974)	
mm1_adj_ny	2.3e+05	0.0000	1.0e+06	0.0000	1.0e+06	
mm4_adj_ny	29822.13	0.0000	84444.33	0.0000	84100.17	
mm6_adj_ny	32818.00	0.0000	1.4e+05	0.0000	1.4e+05	
mm7_adj_ny	31503.56	0.0000	1.3e+05	0.0000	1.2e+05	
mm8_adj_ny	27394.09	0.0000	95961.70	0.0000	95570.61	

NB: first-stage test statistics heteroskedasticity-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 18.37
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=1758.57 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 28851.74

Kleibergen-Paap Wald rk F statistic 16436.45

Stock-Yogo weak ID test critical values for K1=5 and L1=5:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(5,11974)= 0.52 P-val=0.7620

Anderson-Rubin Wald test Chi-sq(5)= 2.61 P-val=0.7604

Stock-Wright LM S statistic Chi-sq(5)= 2.60 P-val=0.7606

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023

Number of regressors K = 5

Number of endogenous regressors K1 = 5

Number of instruments L = 5

Number of excluded instruments L1 = 5

Number of partialled-out regressors/IVs = 44

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity

		Number of obs =	12023	
		F(5, 11974) =	0.52	
		Prob > F =	0.7619	
Total (centered) SS	=	477.6802208	Centered R2 =	0.0003
Total (uncentered) SS	=	477.6802208	Uncentered R2 =	0.0003
Residual SS	=	477.5527047	Root MSE =	.1993

twproll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj_ny	.0029502	.0053466	0.55	0.581	-.007529	.0134293
mm4_adj_ny	.0002315	.005314	0.04	0.965	-.0101837	.0106467
mm6_adj_ny	-.0056494	.0037505	-1.51	0.132	-.0130003	.0017015
mm7_adj_ny	.0011627	.0040013	0.29	0.771	-.0066797	.0090052
mm8_adj_ny	-.0007819	.0039268	-0.20	0.842	-.0084782	.0069144

Underidentification test (Kleibergen-Paap rk LM statistic): 1758.574
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.9e+04
 (Kleibergen-Paap rk Wald F statistic): 1.6e+04
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny
 Included instruments:
 Excluded instruments: imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny imm8_adj_ny
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss ime1 ime_miss _cons
 nb: small-sample adjustments account for partialled-out variables
 Dropped collinear: gendermiss_flag doage2miss_flag

(1) - mm1_adj_ny - mm4_adj_ny - mm6_adj_ny - mm7_adj_ny - mm8_adj_ny = 0

twproll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0020869	.0040243	0.52	0.604	-.0058005	.0099743

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = -.0020869

twproll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	1.91e-17	.0040243	0.00	1.000	-.0078874	.0078874

(1) - .3333333*mm1_adj_ny + .8333333*mm4_adj_ny - .5*mm6_adj_ny = 0
 (2) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm6_adj_ny - mm7_adj_ny = 0
 (3) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm7_adj_ny - mm8_adj_ny = 0

chi2(3) = 1.96
 Prob > chi2 = 0.5810

(1) mm1_adj_ny = 0
 (2) mm4_adj_ny = 0
 (3) mm6_adj_ny = 0
 (4) mm7_adj_ny = 0
 (5) mm8_adj_ny = 0

chi2(5) = 2.61
 Prob > chi2 = 0.7603

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = 0

chi2(1) = 0.27
 Prob > chi2 = 0.6041

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NY_nounempny.xls
 dir : seeout

Phase 1 NY dependent variable: twproll24, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: gendermiss_flag doage2miss_flag

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(5, 11974)	P-val	AP Chi-sq(1)	P-val	AP F(1, 11974)	
mm1_adj_ny	2.3e+05	0.0000	1.0e+06	0.0000	1.0e+06	
mm4_adj_ny	29822.13	0.0000	84444.33	0.0000	84100.17	
mm6_adj_ny	32818.00	0.0000	1.4e+05	0.0000	1.4e+05	
mm7_adj_ny	31503.56	0.0000	1.3e+05	0.0000	1.2e+05	
mm8_adj_ny	27394.09	0.0000	95961.70	0.0000	95570.61	

NB: first-stage test statistics heteroskedasticity-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 18.37
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=1758.57 P-val=0.0000

Weak identification test

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 28851.74
 Kleibergen-Paap Wald rk F statistic 16436.45

Stock-Yogo weak ID test critical values for K1=5 and L1=5:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(5,11974)=	0.47	P-val=0.8015
Anderson-Rubin Wald test	Chi-sq(5)=	2.34	P-val=0.8001
Stock-Wright LM S statistic	Chi-sq(5)=	2.34	P-val=0.8003

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations	N =	12023
Number of regressors	K =	5
Number of endogenous regressors	K1 =	5
Number of instruments	L =	5
Number of excluded instruments	L1 =	5
Number of partialled-out regressors/IVs	=	44

NB: K & L do not include partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(5, 11974) =	0.47
		Prob > F =	0.8015
Total (centered) SS	=	758.384526	Centered R2 = 0.0002
Total (uncentered) SS	=	758.384526	Uncentered R2 = 0.0002
Residual SS	=	758.2649947	Root MSE = .2511

twproll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj_ny	.0006785	.0065882	0.10	0.918	-.012234	.013591
mm4_adj_ny	.0049888	.0068348	0.73	0.465	-.0084071	.0183846
mm6_adj_ny	-.0062534	.0048176	-1.30	0.194	-.0156957	.0031889
mm7_adj_ny	-.0028099	.0049406	-0.57	0.570	-.0124932	.0068735
mm8_adj_ny	.0012664	.005012	0.25	0.801	-.008557	.0110897

Underidentification test (Kleibergen-Paap rk LM statistic): 1758.574
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.9e+04
(Kleibergen-Paap rk Wald F statistic): 1.6e+04

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny

Included instruments:

Excluded instruments: imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny
imm8_adj_ny

Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
cohort2000 cohort2001 cohort2002 cohort2003 cohort2004

```

award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss
ime1 ime_miss_cons
nb: small-sample adjustments account for
    partialled-out variables
Dropped collinear:  gendermiss_flag doage2miss_flag
-----
( 1) - mm1_adj_ny - mm4_adj_ny - mm6_adj_ny - mm7_adj_ny - mm8_adj_ny = 0
-----
twproll24 |      Coef.   Std. Err.      z    P>|z|      [95% Conf. Interval]
-----+-----
(1) |   .0021296   .0050115     0.42   0.671   - .0076927   .011952
-----
( 1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = -.0021296
-----
twproll24 |      Coef.   Std. Err.      z    P>|z|      [95% Conf. Interval]
-----+-----
(1) |  4.21e-17   .0050115     0.00   1.000   - .0098223   .0098223
-----
( 1) - .3333333*mm1_adj_ny + .8333333*mm4_adj_ny - .5*mm6_adj_ny = 0
( 2) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm6_adj_ny - mm7_adj_ny = 0
( 3) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm7_adj_ny - mm8_adj_ny = 0

      chi2( 3) =      1.89
    Prob > chi2 =      0.5964

( 1) mm1_adj_ny = 0
( 2) mm4_adj_ny = 0
( 3) mm6_adj_ny = 0
( 4) mm7_adj_ny = 0
( 5) mm8_adj_ny = 0

      chi2( 5) =      2.34
    Prob > chi2 =      0.8001

( 1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = 0

      chi2( 1) =      0.18
    Prob > chi2 =      0.6709
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH1NY_nounempny.xls
dir : seeout

```

```

***Phase 1 NY*** dependent variable: twproll36, unemployment: nounemp
Warning - collinearities detected
Vars dropped:      gendermiss_flag doage2miss_flag

```

Summary results for first-stage regressions

Variable	F(5, 11974)		(Underid)		(Weak id)	
	P-val	P-val	AP Chi-sq(1)	P-val	AP F(1, 11974)	P-val
mm1_adj_ny	2.3e+05	0.0000	1.0e+06	0.0000	1.0e+06	0.0000
mm4_adj_ny	29822.13	0.0000	84444.33	0.0000	84100.17	0.0000
mm6_adj_ny	32818.00	0.0000	1.4e+05	0.0000	1.4e+05	0.0000

```
mm7_adj_ny | 31503.56 0.0000 | 1.3e+05 0.0000 | 1.2e+05
mm8_adj_ny | 27394.09 0.0000 | 95961.70 0.0000 | 95570.61
```

NB: first-stage test statistics heteroskedasticity-robust

```
Stock-Yogo weak ID test critical values for single endogenous regressor:
      5% maximal IV relative bias  18.37
      10% maximal IV size           16.38
      15% maximal IV size           8.96
      20% maximal IV size           6.66
      25% maximal IV size           5.53
```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=1758.57 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 28851.74

Kleibergen-Paap Wald rk F statistic 16436.45

Stock-Yogo weak ID test critical values for K1=5 and L1=5:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(5,11974)= 0.36 P-val=0.8748

Anderson-Rubin Wald test Chi-sq(5)= 1.82 P-val=0.8738

Stock-Wright LM S statistic Chi-sq(5)= 1.82 P-val=0.8739

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

```
Number of observations      N = 12023
Number of regressors       K = 5
Number of endogenous regressors K1 = 5
Number of instruments      L = 5
Number of excluded instruments L1 = 5
Number of partialled-out regressors/IVs = 44
```

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity

```
Total (centered) SS = 1005.748935
Total (uncentered) SS = 1005.748935
Residual SS = 1005.596547

Number of obs = 12023
F( 5, 11974) = 0.36
Prob > F = 0.8748
Centered R2 = 0.0002
Uncentered R2 = 0.0002
Root MSE = .2892
```

```
-----
      twproll36 |
               | Coef.   Robust   z   P>|z|   [95% Conf. Interval]
               |-----+-----|
mm1_adj_ny | .0009486 .0075926 0.12 0.901  -.0139326 .0158299
mm4_adj_ny | -.0014466 .0076017 -0.19 0.849  -.0163456 .0134524
```

```

mm6_adj_ny | -.0062483 .0055745 -1.12 0.262 -.0171742 .0046776
mm7_adj_ny | .0001618 .0057264 0.03 0.977 -.0110618 .0113854
mm8_adj_ny | .0044099 .0058206 0.76 0.449 -.0069983 .0158181

```

```

-----
Underidentification test (Kleibergen-Paap rk LM statistic):          1758.574
                               Chi-sq(1) P-val =          0.0000
-----

```

```

Weak identification test (Cragg-Donald Wald F statistic):          2.9e+04
                               (Kleibergen-Paap rk Wald F statistic):          1.6e+04
Stock-Yogo weak ID test critical values:                          <not available>
-----

```

```

Hansen J statistic (overidentification test of all instruments):    0.000
                               (equation exactly identified)
-----

```

```

Instrumented:      mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny
Included instruments:
Excluded instruments: imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny
imm8_adj_ny
Partialled-out:   male tsd_age doage2 race_a race_b race_h race_i race_o
race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss
ime1 ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables
Dropped collinear: gendermiss_flag doage2miss_flag
-----

```

$$(1) - mm1_adj_ny - mm4_adj_ny - mm6_adj_ny - mm7_adj_ny - mm8_adj_ny = 0$$

```

-----
twproll36 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
(1) |      .0021746   .0057047     0.38   0.703    - .0090064   .0133555
-----

```

$$(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = -.0021746$$

```

-----
twproll36 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
(1) |     -2.17e-17   .0057047    -0.00   1.000    - .011181   .011181
-----

```

$$(1) - .3333333*mm1_adj_ny + .8333333*mm4_adj_ny - .5*mm6_adj_ny = 0$$

$$(2) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm6_adj_ny - mm7_adj_ny = 0$$

$$(3) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm7_adj_ny - mm8_adj_ny = 0$$

```

chi2( 3) = 1.57
Prob > chi2 = 0.6673

```

$$(1) mm1_adj_ny = 0$$

$$(2) mm4_adj_ny = 0$$

$$(3) mm6_adj_ny = 0$$

$$(4) mm7_adj_ny = 0$$

$$(5) mm8_adj_ny = 0$$

```

chi2( 5) = 1.82
Prob > chi2 = 0.8738

```


(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = 0

chi2(1) = 0.15
Prob > chi2 = 0.7031

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH1NY_nounempny.xls
dir : seeout

Phase 1 NY dependent variable: twproll48, unemployment: nounemp
Warning - collinearities detected
Vars dropped: gendermiss_flag doage2miss_flag

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(5, 11974)	P-val	AP Chi-sq(1)	P-val	AP F(1, 11974)	
mm1_adj_ny	2.3e+05	0.0000	1.0e+06	0.0000	1.0e+06	
mm4_adj_ny	29822.13	0.0000	84444.33	0.0000	84100.17	
mm6_adj_ny	32818.00	0.0000	1.4e+05	0.0000	1.4e+05	
mm7_adj_ny	31503.56	0.0000	1.3e+05	0.0000	1.2e+05	
mm8_adj_ny	27394.09	0.0000	95961.70	0.0000	95570.61	

NB: first-stage test statistics heteroskedasticity-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	18.37
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
Ha: matrix has rank=K1 (identified)
Kleibergen-Paap rk LM statistic Chi-sq(1)=1758.57 P-val=0.0000

Weak identification test
Ho: equation is weakly identified
Cragg-Donald Wald F statistic 28851.74
Kleibergen-Paap Wald rk F statistic 16436.45

Stock-Yogo weak ID test critical values for K1=5 and L1=5: <not available>

Weak-instrument-robust inference
Tests of joint significance of endogenous regressors B1 in main equation
Ho: B1=0 and orthogonality conditions are valid
Anderson-Rubin Wald test F(5,11974)= 0.69 P-val=0.6318
Anderson-Rubin Wald test Chi-sq(5)= 3.46 P-val=0.6297
Stock-Wright LM S statistic Chi-sq(5)= 3.46 P-val=0.6301

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations	N =	12023
Number of regressors	K =	5
Number of endogenous regressors	K1 =	5

Number of instruments L = 5
 Number of excluded instruments Ll = 5
 Number of partialled-out regressors/IVs = 44
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(5, 11974) =	0.69
		Prob > F =	0.6317
Total (centered) SS	=	1155.391478	Centered R2 = 0.0004
Total (uncentered) SS	=	1155.391478	Uncentered R2 = 0.0004
Residual SS	=	1154.95002	Root MSE = .3099

twproll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj_ny	-.0049315	.0079752	-0.62	0.536	-.0205627	.0106997
mm4_adj_ny	-.0011818	.0081739	-0.14	0.885	-.0172024	.0148388
mm6_adj_ny	-.0036611	.0060088	-0.61	0.542	-.0154382	.0081159
mm7_adj_ny	-.0022175	.0061034	-0.36	0.716	-.01418	.009745
mm8_adj_ny	.0110685	.0062967	1.76	0.079	-.0012729	.0234099

Underidentification test (Kleibergen-Paap rk LM statistic): 1758.574
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.9e+04
 (Kleibergen-Paap rk Wald F statistic): 1.6e+04
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny
 Included instruments:
 Excluded instruments: imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny
 imm8_adj_ny
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss
 ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables
 Dropped collinear: gendermiss_flag doage2miss_flag

(1) - mm1_adj_ny - mm4_adj_ny - mm6_adj_ny - mm7_adj_ny - mm8_adj_ny = 0

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0009233	.0060743	0.15	0.879	-.0109821	.0128286

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = -.0009233

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-3.36e-17	.0060743	-0.00	1.000	-.0119054 .0119054

(1) - .3333333*mm1_adj_ny + .8333333*mm4_adj_ny - .5*mm6_adj_ny = 0
 (2) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm6_adj_ny - mm7_adj_ny = 0
 (3) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm7_adj_ny - mm8_adj_ny = 0

chi2(3) = 2.17
 Prob > chi2 = 0.5380

(1) mm1_adj_ny = 0
 (2) mm4_adj_ny = 0
 (3) mm6_adj_ny = 0
 (4) mm7_adj_ny = 0
 (5) mm8_adj_ny = 0

chi2(5) = 3.46
 Prob > chi2 = 0.6296

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = 0

chi2(1) = 0.02
 Prob > chi2 = 0.8792

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NY_nounempny.xls
 dir : seeout

Phase 1 NY dependent variable: srvroll12, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: gendermiss_flag doage2miss_flag

Summary results for first-stage regressions

Variable	F(5, 11974)		(Underid)		(Weak id)	
	P-val	P-val	AP Chi-sq(1)	P-val	AP F(1, 11974)	P-val
mm1_adj_ny	2.3e+05	0.0000	1.0e+06	0.0000	1.0e+06	
mm4_adj_ny	29822.13	0.0000	84444.33	0.0000	84100.17	
mm6_adj_ny	32818.00	0.0000	1.4e+05	0.0000	1.4e+05	
mm7_adj_ny	31503.56	0.0000	1.3e+05	0.0000	1.2e+05	
mm8_adj_ny	27394.09	0.0000	95961.70	0.0000	95570.61	

NB: first-stage test statistics heteroskedasticity-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 18.37
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=1758.57 P-val=0.0000

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 28851.74
 Kleibergen-Paap Wald rk F statistic 16436.45

Stock-Yogo weak ID test critical values for K1=5 and L1=5: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(5,11974)= 2.34 P-val=0.0396
 Anderson-Rubin Wald test Chi-sq(5)= 11.72 P-val=0.0388
 Stock-Wright LM S statistic Chi-sq(5)= 11.69 P-val=0.0393

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 5
 Number of endogenous regressors K1 = 5
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(5, 11974) =	2.34
		Prob > F =	0.0396
Total (centered) SS	= 282.2990563	Centered R2 =	0.0011
Total (uncentered) SS	= 282.2990563	Uncentered R2 =	0.0011
Residual SS	= 281.9876912	Root MSE =	.1531

srvroll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj_ny	.0103959	.0044475	2.34	0.019	.0016789	.0191128
mm4_adj_ny	.002709	.0044804	0.60	0.545	-.0060723	.0114904
mm6_adj_ny	.0022289	.0031879	0.70	0.484	-.0040193	.0084771
mm7_adj_ny	-.0043667	.0028812	-1.52	0.130	-.0100137	.0012803
mm8_adj_ny	-.0049186	.0029197	-1.68	0.092	-.0106411	.000804

Underidentification test (Kleibergen-Paap rk LM statistic): 1758.574
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.9e+04
 (Kleibergen-Paap rk Wald F statistic): 1.6e+04
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny

Included instruments:

Excluded instruments: imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny
imm8_adj_ny

Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss
ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

Dropped collinear: gendermiss_flag doage2miss_flag

(1) - mm1_adj_ny - mm4_adj_ny - mm6_adj_ny - mm7_adj_ny - mm8_adj_ny = 0

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0060485	.0029429	-2.06	0.040	-.0118164	-.0002805

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = .0060485

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	1.47e-17	.0029429	0.00	1.000	-.0057679	.0057679

(1) - .3333333*mm1_adj_ny + .8333333*mm4_adj_ny - .5*mm6_adj_ny = 0
(2) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm6_adj_ny - mm7_adj_ny = 0
(3) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm7_adj_ny - mm8_adj_ny = 0

chi2(3) = 1.03
Prob > chi2 = 0.7936

- (1) mm1_adj_ny = 0
- (2) mm4_adj_ny = 0
- (3) mm6_adj_ny = 0
- (4) mm7_adj_ny = 0
- (5) mm8_adj_ny = 0

chi2(5) = 11.72
Prob > chi2 = 0.0388

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = 0

chi2(1) = 4.22
Prob > chi2 = 0.0399

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH1NY_nounempny.xls
dir : seeout

Phase 1 NY dependent variable: srvroll124, unemployment: nounemp
Warning - collinearities detected
Vars dropped: gendermiss_flag doage2miss_flag

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(5, 11974)	P-val	AP Chi-sq(1)	P-val	AP F(1, 11974)	
mm1_adj_ny	2.3e+05	0.0000	1.0e+06	0.0000	1.0e+06	
mm4_adj_ny	29822.13	0.0000	84444.33	0.0000	84100.17	
mm6_adj_ny	32818.00	0.0000	1.4e+05	0.0000	1.4e+05	
mm7_adj_ny	31503.56	0.0000	1.3e+05	0.0000	1.2e+05	
mm8_adj_ny	27394.09	0.0000	95961.70	0.0000	95570.61	

NB: first-stage test statistics heteroskedasticity-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	18.37
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=1758.57 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 28851.74

Kleibergen-Paap Wald rk F statistic 16436.45

Stock-Yogo weak ID test critical values for K1=5 and L1=5:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(5,11974)= 0.34 P-val=0.8881

Anderson-Rubin Wald test Chi-sq(5)= 1.71 P-val=0.8872

Stock-Wright LM S statistic Chi-sq(5)= 1.71 P-val=0.8874

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023

Number of regressors K = 5

Number of endogenous regressors K1 = 5

Number of instruments L = 5

Number of excluded instruments L1 = 5

Number of partialled-out regressors/IVs = 44

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(5, 11974) =	0.34
		Prob > F =	0.8881
Total (centered) SS	=	390.0083144	Centered R2 = 0.0002

Total (uncentered) SS = 390.0083144 Uncentered R2 = 0.0002
 Residual SS = 389.9374829 Root MSE = .1801

srvroll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj_ny	.006002	.0050413	1.19	0.234	-.0038788	.0158828
mm4_adj_ny	.000358	.0049959	0.07	0.943	-.0094338	.0101497
mm6_adj_ny	-.0012948	.0036328	-0.36	0.722	-.008415	.0058255
mm7_adj_ny	-.0010208	.0033801	-0.30	0.763	-.0076457	.0056041
mm8_adj_ny	-.0025133	.0034997	-0.72	0.473	-.0093725	.0043459

Underidentification test (Kleibergen-Paap rk LM statistic): 1758.574
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.9e+04
 (Kleibergen-Paap rk Wald F statistic): 1.6e+04
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny
 Included instruments:
 Excluded instruments: imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny
 imm8_adj_ny
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss
 ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables
 Dropped collinear: gendermiss_flag doage2miss_flag

(1) - mm1_adj_ny - mm4_adj_ny - mm6_adj_ny - mm7_adj_ny - mm8_adj_ny = 0

srvroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0015312	.0035923	-0.43	0.670	-.008572	.0055097

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = .0015312

srvroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	4.92e-17	.0035923	0.00	1.000	-.0070409	.0070409

(1) - .3333333*mm1_adj_ny + .8333333*mm4_adj_ny - .5*mm6_adj_ny = 0
 (2) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm6_adj_ny - mm7_adj_ny = 0
 (3) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm7_adj_ny - mm8_adj_ny = 0

chi2(3) = 0.16
 Prob > chi2 = 0.9840

(1) mm1_adj_ny = 0
 (2) mm4_adj_ny = 0
 (3) mm6_adj_ny = 0
 (4) mm7_adj_ny = 0
 (5) mm8_adj_ny = 0

chi2(5) = 1.71
 Prob > chi2 = 0.8872

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = 0

chi2(1) = 0.18
 Prob > chi2 = 0.6699

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NY_nounempny.xls
 dir : seeout

Phase 1 NY dependent variable: srvroll36, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: gendermiss_flag doage2miss_flag

Summary results for first-stage regressions

Variable	F(5, 11974)		(Underid)		(Weak id)	
	F	P-val	AP Chi-sq(1)	P-val	AP F(1, 11974)	P-val
mm1_adj_ny	2.3e+05	0.0000	1.0e+06	0.0000	1.0e+06	0.0000
mm4_adj_ny	29822.13	0.0000	84444.33	0.0000	84100.17	0.0000
mm6_adj_ny	32818.00	0.0000	1.4e+05	0.0000	1.4e+05	0.0000
mm7_adj_ny	31503.56	0.0000	1.3e+05	0.0000	1.2e+05	0.0000
mm8_adj_ny	27394.09	0.0000	95961.70	0.0000	95570.61	0.0000

NB: first-stage test statistics heteroskedasticity-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 18.37
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=1758.57 P-val=0.0000

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 28851.74
 Kleibergen-Paap Wald rk F statistic 16436.45

Stock-Yogo weak ID test critical values for K1=5 and L1=5: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(5,11974)= 0.28 P-val=0.9218

Anderson-Rubin Wald test Chi-sq(5)= 1.43 P-val=0.9212
 Stock-Wright LM S statistic Chi-sq(5)= 1.43 P-val=0.9213

NB: Underidentification, weak identification and weak-identification-robust
 test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 5
 Number of endogenous regressors K1 = 5
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44
 NB: K & L do not include partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(5, 11974) =	0.28
		Prob > F =	0.9218
Total (centered) SS	=	371.3707503	Centered R2 = 0.0002
Total (uncentered) SS	=	371.3707503	Uncentered R2 = 0.0002
Residual SS	=	371.3148173	Root MSE = .1757

srvroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj_ny	.0052922	.0051256	1.03	0.302	-.0047538	.0153382
mm4_adj_ny	-.0004488	.0049776	-0.09	0.928	-.0102047	.0093071
mm6_adj_ny	-.0029742	.0035077	-0.85	0.397	-.0098492	.0039009
mm7_adj_ny	-.0004208	.003206	-0.13	0.896	-.0067046	.0058629
mm8_adj_ny	-.0006042	.0034523	-0.18	0.861	-.0073705	.0061622

Underidentification test (Kleibergen-Paap rk LM statistic): 1758.574
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.9e+04
 (Kleibergen-Paap rk Wald F statistic): 1.6e+04
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny
 Included instruments:
 Excluded instruments: imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny
 imm8_adj_ny
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pia1 pia_miss
 ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables
 Dropped collinear: gendermiss_flag doage2miss_flag

(1) - mm1_adj_ny - mm4_adj_ny - mm6_adj_ny - mm7_adj_ny - mm8_adj_ny = 0

srvroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0008443	.0035371	-0.24	0.811	-.0077768 .0060882

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = .0008443

srvroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-2.22e-17	.0035371	-0.00	1.000	-.0069325 .0069325

(1) - .3333333*mm1_adj_ny + .8333333*mm4_adj_ny - .5*mm6_adj_ny = 0
 (2) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm6_adj_ny - mm7_adj_ny = 0
 (3) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm7_adj_ny - mm8_adj_ny = 0

chi2(3) = 0.85
 Prob > chi2 = 0.8371

(1) mm1_adj_ny = 0
 (2) mm4_adj_ny = 0
 (3) mm6_adj_ny = 0
 (4) mm7_adj_ny = 0
 (5) mm8_adj_ny = 0

chi2(5) = 1.43
 Prob > chi2 = 0.9212

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = 0

chi2(1) = 0.06
 Prob > chi2 = 0.8113

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NY_nounempny.xls
 dir : seeout

Phase 1 NY dependent variable: srvroll48, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: gendermiss_flag doage2miss_flag

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(5, 11974)	P-val	AP Chi-sq(1)	P-val	AP F(1, 11974)	
mm1_adj_ny	2.3e+05	0.0000	1.0e+06	0.0000	1.0e+06	
mm4_adj_ny	29822.13	0.0000	84444.33	0.0000	84100.17	
mm6_adj_ny	32818.00	0.0000	1.4e+05	0.0000	1.4e+05	
mm7_adj_ny	31503.56	0.0000	1.3e+05	0.0000	1.2e+05	
mm8_adj_ny	27394.09	0.0000	95961.70	0.0000	95570.61	

NB: first-stage test statistics heteroskedasticity-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias 18.37
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=1758.57 P-val=0.0000

Weak identification test

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 28851.74
 Kleibergen-Paap Wald rk F statistic 16436.45

Stock-Yogo weak ID test critical values for K1=5 and L1=5:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(5,11974)= 0.55 P-val=0.7352
 Anderson-Rubin Wald test Chi-sq(5)= 2.78 P-val=0.7335
 Stock-Wright LM S statistic Chi-sq(5)= 2.78 P-val=0.7339

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 5
 Number of endogenous regressors K1 = 5
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(5, 11974) =	0.55
		Prob > F =	0.7352
Total (centered) SS =	331.7158453	Centered R2 =	0.0003
Total (uncentered) SS =	331.7158453	Uncentered R2 =	0.0003
Residual SS =	331.6317241	Root MSE =	.1661

srvroll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj_ny	.007078	.0049724	1.42	0.155	-.0026678	.0168238
mm4_adj_ny	-.0009147	.0046848	-0.20	0.845	-.0100968	.0082674
mm6_adj_ny	-.00185	.0032586	-0.57	0.570	-.0082367	.0045368
mm7_adj_ny	.0000906	.0030282	0.03	0.976	-.0058445	.0060257
mm8_adj_ny	-.0036479	.0032523	-1.12	0.262	-.0100223	.0027264

Underidentification test (Kleibergen-Paap rk LM statistic): 1758.574
 Chi-sq(1) P-val = 0.0000

```
-----
Weak identification test (Cragg-Donald Wald F statistic):          2.9e+04
      (Kleibergen-Paap rk Wald F statistic):                    1.6e+04
Stock-Yogo weak ID test critical values:                          <not available>
-----
```

```
Hansen J statistic (overidentification test of all instruments):    0.000
      (equation exactly identified)
```

```
-----
Instrumented:      mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny
Included instruments:
Excluded instruments: imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny
imm8_adj_ny
Partialled-out:   male tsd_age doage2 race_a race_b race_h race_i race_o
race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss
ime1 ime_miss_cons
nb: small-sample adjustments account for
      partialled-out variables
Dropped collinear: gendermiss_flag doage2miss_flag
-----
```

(1) - mm1_adj_ny - mm4_adj_ny - mm6_adj_ny - mm7_adj_ny - mm8_adj_ny = 0

srvroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.000756	.0033872	-0.22	0.823	-.0073947 .0058827

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = .000756

srvroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-3.91e-17	.0033872	-0.00	1.000	-.0066387 .0066387

(1) - .3333333*mm1_adj_ny + .8333333*mm4_adj_ny - .5*mm6_adj_ny = 0
(2) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm6_adj_ny - mm7_adj_ny = 0
(3) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm7_adj_ny - mm8_adj_ny = 0

chi2(3) = 0.90
Prob > chi2 = 0.8257

(1) mm1_adj_ny = 0
(2) mm4_adj_ny = 0
(3) mm6_adj_ny = 0
(4) mm7_adj_ny = 0
(5) mm8_adj_ny = 0

chi2(5) = 2.78
Prob > chi2 = 0.7335

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = 0

chi2(1) = 0.05
Prob > chi2 = 0.8234

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NY_nounempny.xls
 dir : seeout

Phase 1 NY dependent variable: nstw12, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: gendermiss_flag doage2miss_flag

Summary results for first-stage regressions

Variable	F(5, 11974) P-val		(Underid)		(Weak id)	
	F(5, 11974)	P-val	AP Chi-sq(1)	P-val	AP F(1, 11974)	P-val
mm1_adj_ny	2.3e+05	0.0000	1.0e+06	0.0000	1.0e+06	0.0000
mm4_adj_ny	29822.13	0.0000	84444.33	0.0000	84100.17	0.0000
mm6_adj_ny	32818.00	0.0000	1.4e+05	0.0000	1.4e+05	0.0000
mm7_adj_ny	31503.56	0.0000	1.3e+05	0.0000	1.2e+05	0.0000
mm8_adj_ny	27394.09	0.0000	95961.70	0.0000	95570.61	0.0000

NB: first-stage test statistics heteroskedasticity-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 18.37
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=1758.57 P-val=0.0000

Weak identification test

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 28851.74
 Kleibergen-Paap Wald rk F statistic 16436.45

Stock-Yogo weak ID test critical values for K1=5 and L1=5: <not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(5,11974)= 1.09 P-val=0.3660
 Anderson-Rubin Wald test Chi-sq(5)= 5.45 P-val=0.3635
 Stock-Wright LM S statistic Chi-sq(5)= 5.44 P-val=0.3649

NB: Underidentification, weak identification and weak-identification-robust
 test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 5
 Number of endogenous regressors K1 = 5
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(5, 11974) =	1.09
		Prob > F =	0.3661
Total (centered) SS	=	13321.29889	Centered R2 = 0.0004
Total (uncentered) SS	=	13321.29889	Uncentered R2 = 0.0004
Residual SS	=	13315.77766	Root MSE = 1.052

nstw12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj_ny	-.0519595	.0255829	-2.03	0.042	-.102101	-.001818
mm4_adj_ny	.0074683	.0257709	0.29	0.772	-.0430417	.0579782
mm6_adj_ny	.0166372	.0204569	0.81	0.416	-.0234576	.056732
mm7_adj_ny	-.0050588	.0209484	-0.24	0.809	-.0461169	.0359993
mm8_adj_ny	.0018221	.0194557	0.09	0.925	-.0363103	.0399545

Underidentification test (Kleibergen-Paap rk LM statistic): 1758.574
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.9e+04
 (Kleibergen-Paap rk Wald F statistic): 1.6e+04
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny
 Included instruments:
 Excluded instruments: imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny
 imm8_adj_ny
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss
 ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables
 Dropped collinear: gendermiss_flag doage2miss_flag

(1) - mm1_adj_ny - mm4_adj_ny - mm6_adj_ny - mm7_adj_ny - mm8_adj_ny = 0

nstw12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0310907	.0226484	1.37	0.170	-.0132993	.0754808

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = -.0310907

nstw12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
--------	-------	-----------	---	------	----------------------	--

```
-----+-----
(1) | 3.47e-18 .0226484 0.00 1.000 -.04439 .04439
-----
```

```
( 1) - .3333333*mm1_adj_ny + .8333333*mm4_adj_ny - .5*mm6_adj_ny = 0
( 2) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm6_adj_ny - mm7_adj_ny = 0
( 3) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm7_adj_ny - mm8_adj_ny = 0
```

```
chi2( 3) = 2.08
Prob > chi2 = 0.5556
```

```
( 1) mm1_adj_ny = 0
( 2) mm4_adj_ny = 0
( 3) mm6_adj_ny = 0
( 4) mm7_adj_ny = 0
( 5) mm8_adj_ny = 0
```

```
chi2( 5) = 5.45
Prob > chi2 = 0.3635
```

```
( 1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = 0
```

```
chi2( 1) = 1.88
Prob > chi2 = 0.1698
```

```
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH1NY_nounempny.xls
dir : seeout
```

```
***Phase 1 NY*** dependent variable: nstw24, unemployment: nounemp
Warning - collinearities detected
Vars dropped: gendermiss_flag doage2miss_flag
```

Summary results for first-stage regressions

Variable	F(5, 11974)		(Underid)		(Weak id)	
	P-val	P-val	AP Chi-sq(1)	P-val	AP F(1, 11974)	P-val
mm1_adj_ny	2.3e+05	0.0000	1.0e+06	0.0000	1.0e+06	
mm4_adj_ny	29822.13	0.0000	84444.33	0.0000	84100.17	
mm6_adj_ny	32818.00	0.0000	1.4e+05	0.0000	1.4e+05	
mm7_adj_ny	31503.56	0.0000	1.3e+05	0.0000	1.2e+05	
mm8_adj_ny	27394.09	0.0000	95961.70	0.0000	95570.61	

NB: first-stage test statistics heteroskedasticity-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	18.37
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=1758.57 P-val=0.0000

Weak identification test

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 28851.74
 Kleibergen-Paap Wald rk F statistic 16436.45

Stock-Yogo weak ID test critical values for K1=5 and L1=5: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(5,11974)= 0.26 P-val=0.9340
 Anderson-Rubin Wald test Chi-sq(5)= 1.31 P-val=0.9335
 Stock-Wright LM S statistic Chi-sq(5)= 1.31 P-val=0.9335

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 5
 Number of endogenous regressors K1 = 5
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(5, 11974) =	0.26
		Prob > F =	0.9340
Total (centered) SS	= 74030.90581	Centered R2 =	0.0001
Total (uncentered) SS	= 74030.90581	Uncentered R2 =	0.0001
Residual SS	= 74020.78614	Root MSE =	2.481

nstw24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj_ny	-.0235579	.0626529	-0.38	0.707	-.1463553	.0992396
mm4_adj_ny	-.0289293	.0604224	-0.48	0.632	-.1473551	.0894965
mm6_adj_ny	.0179124	.0462023	0.39	0.698	-.0726425	.1084674
mm7_adj_ny	-.0064272	.0492978	-0.13	0.896	-.1030491	.0901947
mm8_adj_ny	-.0123332	.047154	-0.26	0.794	-.1047533	.0800869

Underidentification test (Kleibergen-Paap rk LM statistic): 1758.574
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.9e+04
 (Kleibergen-Paap rk Wald F statistic): 1.6e+04

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny
 Included instruments:
 Excluded instruments: imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny
 imm8_adj_ny
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp

tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss
 ime1 ime_miss_cons

nb: small-sample adjustments account for
 partialled-out variables

Dropped collinear: gendermiss_flag doage2miss_flag

(1) - mm1_adj_ny - mm4_adj_ny - mm6_adj_ny - mm7_adj_ny - mm8_adj_ny = 0

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0533352	.0538529	0.99	0.322	-.0522145	.1588849

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = -.0533352

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	6.94e-18	.0538529	0.00	1.000	-.1055497	.1055497

(1) - .3333333*mm1_adj_ny + .8333333*mm4_adj_ny - .5*mm6_adj_ny = 0

(2) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm6_adj_ny - mm7_adj_ny = 0

(3) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm7_adj_ny - mm8_adj_ny = 0

chi2(3) = 0.37
 Prob > chi2 = 0.9456

- (1) mm1_adj_ny = 0
- (2) mm4_adj_ny = 0
- (3) mm6_adj_ny = 0
- (4) mm7_adj_ny = 0
- (5) mm8_adj_ny = 0

chi2(5) = 1.31
 Prob > chi2 = 0.9335

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = 0

chi2(1) = 0.98
 Prob > chi2 = 0.3220

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NY_nounempny.xls

dir : seeout

Phase 1 NY dependent variable: nstw36, unemployment: nounemp

Warning - collinearities detected

Vars dropped: gendermiss_flag doage2miss_flag

Summary results for first-stage regressions

(Underid)

(Weak id)

Variable	F(5, 11974)	P-val	AP Chi-sq(1)	P-val	AP F(1, 11974)
mm1_adj_ny	2.3e+05	0.0000	1.0e+06	0.0000	1.0e+06
mm4_adj_ny	29822.13	0.0000	84444.33	0.0000	84100.17
mm6_adj_ny	32818.00	0.0000	1.4e+05	0.0000	1.4e+05
mm7_adj_ny	31503.56	0.0000	1.3e+05	0.0000	1.2e+05
mm8_adj_ny	27394.09	0.0000	95961.70	0.0000	95570.61

NB: first-stage test statistics heteroskedasticity-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	18.37
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=1758.57 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 28851.74

Kleibergen-Paap Wald rk F statistic 16436.45

Stock-Yogo weak ID test critical values for K1=5 and L1=5:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(5,11974)= 0.13 P-val=0.9866

Anderson-Rubin Wald test Chi-sq(5)= 0.63 P-val=0.9864

Stock-Wright LM S statistic Chi-sq(5)= 0.63 P-val=0.9865

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023

Number of regressors K = 5

Number of endogenous regressors K1 = 5

Number of instruments L = 5

Number of excluded instruments L1 = 5

Number of partialled-out regressors/IVs = 44

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(5, 11974) =	0.13
		Prob > F =	0.9866
Total (centered) SS	=	214448.077	Centered R2 = 0.0001
Total (uncentered) SS	=	214448.077	Uncentered R2 = 0.0001
Residual SS	=	214435.3539	Root MSE = 4.223

| Robust

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj_ny	-.0068275	.1076069	-0.06	0.949	-.2177332	.2040782
mm4_adj_ny	-.0265745	.1044916	-0.25	0.799	-.2313742	.1782252
mm6_adj_ny	-.0036398	.078766	-0.05	0.963	-.1580183	.1507388
mm7_adj_ny	-.0311122	.0826005	-0.38	0.706	-.1930063	.1307818
mm8_adj_ny	.0018517	.0818486	0.02	0.982	-.1585686	.162272

Underidentification test (Kleibergen-Paap rk LM statistic): 1758.574
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.9e+04
(Kleibergen-Paap rk Wald F statistic): 1.6e+04

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny
Included instruments:
Excluded instruments: imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny
imm8_adj_ny
Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss
ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables
Dropped collinear: gendermiss_flag doage2miss_flag

(1) - mm1_adj_ny - mm4_adj_ny - mm6_adj_ny - mm7_adj_ny - mm8_adj_ny = 0

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0663023	.0907121	0.73	0.465	-.1114902	.2440947

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = -.0663023

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	1.39e-17	.0907121	0.00	1.000	-.1777925	.1777925

(1) - .3333333*mm1_adj_ny + .8333333*mm4_adj_ny - .5*mm6_adj_ny = 0
(2) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm6_adj_ny - mm7_adj_ny = 0
(3) - .3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm7_adj_ny - mm8_adj_ny = 0

chi2(3) = 0.10
Prob > chi2 = 0.9917

(1) mm1_adj_ny = 0
(2) mm4_adj_ny = 0
(3) mm6_adj_ny = 0
(4) mm7_adj_ny = 0

(5) mm8_adj_ny = 0

chi2(5) = 0.63
Prob > chi2 = 0.9864

(1) mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = 0

chi2(1) = 0.53
Prob > chi2 = 0.4648

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH1NY_nounempny.xls

dir : seeout

Phase 1 NY dependent variable: nstw48, unemployment: nounemp

Warning - collinearities detected

Vars dropped: gendermiss_flag doage2miss_flag

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(5, 11974)	P-val	AP Chi-sq(1)	P-val	AP F(1, 11974)	
mm1_adj_ny	2.3e+05	0.0000	1.0e+06	0.0000	1.0e+06	
mm4_adj_ny	29822.13	0.0000	84444.33	0.0000	84100.17	
mm6_adj_ny	32818.00	0.0000	1.4e+05	0.0000	1.4e+05	
mm7_adj_ny	31503.56	0.0000	1.3e+05	0.0000	1.2e+05	
mm8_adj_ny	27394.09	0.0000	95961.70	0.0000	95570.61	

NB: first-stage test statistics heteroskedasticity-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	18.37
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=1758.57 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 28851.74

Kleibergen-Paap Wald rk F statistic 16436.45

Stock-Yogo weak ID test critical values for K1=5 and L1=5:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(5,11974)= 0.03 P-val=0.9996

Anderson-Rubin Wald test Chi-sq(5)= 0.15 P-val=0.9996

Stock-Wright LM S statistic Chi-sq(5)= 0.15 P-val=0.9996

NB: Underidentification, weak identification and weak-identification-robust

test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 5
 Number of endogenous regressors K1 = 5
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(5, 11974) =	0.03
		Prob > F =	0.9996
Total (centered) SS	= 459975.2477	Centered R2 =	0.0000
Total (uncentered) SS	= 459975.2477	Uncentered R2 =	0.0000
Residual SS	= 459968.0963	Root MSE =	6.185

nstw48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj_ny	.0235087	.1595055	0.15	0.883	-.2891164	.3361338
mm4_adj_ny	-.0178081	.1570356	-0.11	0.910	-.3255922	.289976
mm6_adj_ny	-.013531	.1155925	-0.12	0.907	-.2400882	.2130261
mm7_adj_ny	-.0141421	.1210382	-0.12	0.907	-.2513725	.2230883
mm8_adj_ny	-.0180121	.1210493	-0.15	0.882	-.2552644	.2192402

Underidentification test (Kleibergen-Paap rk LM statistic): 1758.574
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.9e+04
 (Kleibergen-Paap rk Wald F statistic): 1.6e+04
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm1_adj_ny mm4_adj_ny mm6_adj_ny mm7_adj_ny mm8_adj_ny
 Included instruments:
 Excluded instruments: imm1_adj_ny imm4_adj_ny imm6_adj_ny imm7_adj_ny
 imm8_adj_ny
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss
 ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables
 Dropped collinear: gendermiss_flag doage2miss_flag

(1) - mm1_adj_ny - mm4_adj_ny - mm6_adj_ny - mm7_adj_ny - mm8_adj_ny = 0

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0399846	.130872	0.31	0.760	-.2165198	.2964891

(1) $mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = -.0399846$

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	2.08e-17	.130872	0.00	1.000	-.2565044	.2565044

(1) $-.3333333*mm1_adj_ny + .8333333*mm4_adj_ny - .5*mm6_adj_ny = 0$
(2) $-.3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm6_adj_ny - mm7_adj_ny = 0$
(3) $-.3333333*mm1_adj_ny + .3333333*mm4_adj_ny + mm7_adj_ny - mm8_adj_ny = 0$

chi2(3) = 0.01
Prob > chi2 = 0.9996

(1) $mm1_adj_ny = 0$
(2) $mm4_adj_ny = 0$
(3) $mm6_adj_ny = 0$
(4) $mm7_adj_ny = 0$
(5) $mm8_adj_ny = 0$

chi2(5) = 0.15
Prob > chi2 = 0.9996

(1) $mm1_adj_ny + mm4_adj_ny + mm6_adj_ny + mm7_adj_ny + mm8_adj_ny = 0$

chi2(1) = 0.09
Prob > chi2 = 0.7600

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PhlNY_nounempny.xls
dir : seeout

```
. *
.
. foreach covar of local enemplist {
2.     foreach v of local depen {
3.         di _n(2) as result as result `***Phase 1 NO NY*** dependent variable:
`v', unemployment: `covar'''
4.         ***phase 1 NO NY
.         ivreg2 `v' ``covar' ('phlnonymm_adj' = `phlnonyimm_adj') if phasel_st_nony
== 1, cluster(tsd_state) first partial(`covar'')
5.
.         ***estimate last mail month
.         lincom -(mm1_adj + mm3_adj + mm4_adj)
6.
.         local tstat=r(estimate)/r(se)
7.         local estimate = r(estimate)
8.         local se = r(se)
9.
.         ***estimate sum of mail months
.         lincom mm1_adj+mm3_adj+mm4_adj+`estimate'
10.        local estimatel = r(estimate)
11.
.         ***new test
.         test (mm3_adj - mm1_adj)/2 = mm4_adj - mm3_adj
12.        local new_tst_chi2 = r(chi2)
13.        local new_tst_pvalue = r(p)
```

```

14.
.      ***F test
.      test mm1_adj mm3_adj mm4_adj
15.          local joint_chi2 = r(chi2)
16.          local joint_pvalue = r(p)
17.
.
.      test (mm1_adj+mm3_adj+mm4_adj)=0
18.          local jointsum_chi2 = r(chi2)
19.          local jointsum_pvalue = r(p)
20.
.      if "`v'" == "ldwroll12" {
21.          cap erase "`path'\IV_PH1NONY_`covar'.xls"
22.          cap erase "`path'\IV_PH1NONY_`covar'.txt"
23.      }
24.          outreg2 using "`path'\IV_PH1NONY_`covar'.xls", ///
> keep(mm1_adj mm3_adj mm4_adj) nocons sideways stats(coef se tstat) ///
> bdec(4) sdec(3) tdec(2) noparen ///
> addstat(mm5_adj_ny,`estimate', se,`se',tstat, `tstat', ///
>
joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue',jointsum_chi2,`jointsum_chi2',
///
>          jointsum_pvalue,`jointsum_pvalue',zero,`estimate1',new_tst_chi2,
`new_tst_chi2',new_tst_pvalue, `new_tst_pvalue')
25.      } /* close loop for events */
26.
.      foreach v of local depen {
27.          di _n(2) as result as result `***Phase 2*** dependent variable: `v',
unemployment: `covar'"
28.          ***phase 2
.          ivreg2 `v' ``covar'' ( `phase2mm_adj' = `phase2imm_adj') if phase2_st == 1,
cluster(tsd_state) ffirst partial(`covar'')
29.
.          ***estimate last mail month
.          lincom -
(mm10_adj+mm12_adj+mm13_adj+mm14_adj+mm15_adj+mm16_adj+mm17_adj+mm18_adj+mm19_adj)
30.
.          local tstat=r(estimate)/r(se)
31.          local estimate = r(estimate)
32.          local se = r(se)
33.
.          ***estimate sum of mail months
.          lincom
mm10_adj+mm12_adj+mm13_adj+mm14_adj+mm15_adj+mm16_adj+mm17_adj+mm18_adj+mm19_adj+`est
imate'
34.          local estimate1 = r(estimate)
35.
.          ***new test
.          test (mm12_adj - mm10_adj)/2 = mm13_adj-mm12_adj=mm14_adj-mm13_adj=mm15_adj-
mm14_adj=mm16_adj-mm15_adj=mm17_adj-mm16_adj=mm18_adj-mm17_adj=mm19_adj-mm18_adj
36.          local new_tst_chi2 = r(chi2)
37.          local new_tst_pvalue = r(p)
38.
.          ***F test
.          test mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj mm17_adj mm18_adj
mm19_adj
39.          local joint_chi2 = r(chi2)
40.          local joint_pvalue = r(p)
41.
.
.          test
(mm10_adj+mm12_adj+mm13_adj+mm14_adj+mm15_adj+mm16_adj+mm17_adj+mm18_adj+mm19_adj)=0
42.          local jointsum_chi2 = r(chi2)

```

```

43.         local jointsum_pvalue = r(p)
44.
.         if "`v'" == "ldwroll12" {
45.             cap erase `"'path'\IV_PH2_`covar'.xls"'
46.             cap erase `"'path'\IV_PH2_`covar'.txt"'
47.         }
48.
.
.         outreg2 using `"'path'\IV_PH2_`covar'.xls"', ///
>         keep(mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj mm17_adj mm18_adj
mm19_adj) ///
>         nocons   sideways stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen   ///
>         addstat(mm20_adj_ny,`estimate', se,`se' ,tstat, `tstat', ///
>
joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue',jointsum_chi2,`jointsum_chi2',
///
>         jointsum_pvalue,`jointsum_pvalue',zero,`estimate1',new_tst_chi2,
`new_tst_chi2',new_tst_pvalue, `new_tst_pvalue')
49.
.     } /* close loop for events */
50.
.     foreach v of local depen {
51.         di _n(2) as result as result `***Phase 3*** dependent variable: `v',
unemployment: `covar'"
52.         ***phase 3
.         ivreg2 `v' ``covar'' ( `phase3mm_adj' = `phase3imm_adj') if phase3_st == 1,
cluster(tsd_state) ffirst partial(``covar'')
53.
.         ***estimate last mail month
.         lincom -
(mm21_adj+mm23_adj+mm24_adj+mm25_adj+mm26_adj+mm27_adj+mm28_adj+mm29_adj+mm30_adj)
54.
.         local tstat=r(estimate)/r(se)
55.         local estimate = r(estimate)
56.         local se = r(se)
57.
.         ***estimate sum of mail months
.         lincom
mm21_adj+mm23_adj+mm24_adj+mm25_adj+mm26_adj+mm27_adj+mm28_adj+mm29_adj+mm30_adj+`est
imate'
58.         local estimate1 = r(estimate)
59.
.         ***new test
.         test (mm23_adj - mm21_adj)/2 = mm24_adj-mm23_adj=mm25_adj-mm24_adj=mm26_adj-
mm25_adj=mm27_adj-mm26_adj=mm28_adj-mm27_adj=mm29_adj-mm28_adj=mm30_adj-mm29_adj
60.         local new_tst_chi2 = r(chi2)
61.         local new_tst_pvalue = r(p)
62.
.         ***F test
.         test mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj mm28_adj
mm29_adj mm30_adj
63.         local joint_chi2 = r(chi2)
64.         local joint_pvalue = r(p)
65.
.
.         test
(mm21_adj+mm23_adj+mm24_adj+mm25_adj+mm26_adj+mm27_adj+mm28_adj+mm29_adj+mm30_adj)=0
66.         local jointsum_chi2 = r(chi2)
67.         local jointsum_pvalue = r(p)
68.
.         if "`v'" == "ldwroll12" {
69.             cap erase `"'path'\IV_PH3_`covar'.xls"'
70.             cap erase `"'path'\IV_PH3_`covar'.txt"'

```



```

71.     }
72.
.       outreg2 using "`path'\IV_PH3_`covar'.xls", ///
>       keep(mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj mm28_adj mm29_adj
mm30_adj) ///
>       nocons   sideway stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen ///
>       addstat(mm31_adj_ny,`estimate', se,`se',tstat, `tstat', ///
>
joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue',jointsum_chi2,`jointsum_chi2',
///
>       jointsum_pvalue,`jointsum_pvalue',zero,`estimate1',new_tst_chi2,
`new_tst_chi2',new_tst_pvalue, `new_tst_pvalue')
73.     } /* close loop for events */
74.
.
.   foreach v of local depen {
75.       di _n(2) as result `***phase 2 and Phase 3*** dependent
variable: `v', unemployment: `covar'"
76.
.       ***phase 2 and phase 3
.       ivreg2 `v' ``covar'' phase2_st ( `mm' = `imm') if phase2_st == 1 |
phase3_st == 1 , cluster(tsd_state) ffirst partial(`covar')
77.
.       ***estimate last mail month
.       lincom -
(mm_pl1_adj+mm_pl3_adj+mm_pl4_adj+mm_pl5_adj+mm_pl6_adj+mm_pl7_adj+mm_pl8_adj+mm_pl9_
adj+mm_pl10_adj)
78.         local tstat1=r(estimate)/r(se)
79.         local estimate1 = r(estimate)
80.         local se1 = r(se)
81.
.       ***estimate sum of mail months
.       lincom
mm_pl1_adj+mm_pl3_adj+mm_pl4_adj+mm_pl5_adj+mm_pl6_adj+mm_pl7_adj+mm_pl8_adj+mm_pl9_a
dj+mm_pl10_adj+`estimate1'
82.         local estimate2 = r(estimate)
83.
.       ***F test
.       test mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj mm_pl7_adj
mm_pl8_adj mm_pl9_adj mm_pl10_adj
84.         local joint_chi2 = r(chi2)
85.         local joint_pvalue = r(p)
86.
.       test
(mm_pl1_adj+mm_pl3_adj+mm_pl4_adj+mm_pl5_adj+mm_pl6_adj+mm_pl7_adj+mm_pl8_adj+mm_pl9_
adj+mm_pl10_adj)=0
87.         local jointsum_chi2 = r(chi2)
88.         local jointsum_pvalue = r(p)
89.
.       ***new test
.       test (mm_pl3_adj - mm_pl1_adj)/2 = mm_pl4_adj-mm_pl3_adj=mm_pl5_adj-
mm_pl4_adj ///
>         =mm_pl6_adj-mm_pl5_adj=mm_pl7_adj-mm_pl6_adj=mm_pl8_adj-
mm_pl7_adj=mm_pl9_adj-mm_pl8_adj=mm_pl10_adj-mm_pl9_adj
90.         local new_tst_F = r(chi2)
91.         local new_tst_pvalue = r(p)
92.
.
.
.       if "`v'" == "ldwroll12" {
93.         cap erase "`path'\IV_Pooled_`covar'.xls'"
94.         cap erase "`path'\IV_Pooled_`covar'.txt'"
95.       } /* close if loop */

```

```

96.
.       outreg2 using `"\path"\IV_Pooled_`covar'.xls", ///
>       keep(mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj mm_pl7_adj
mm_pl8_adj mm_pl9_adj mm_pl10_adj phase2_st ) ///
>       nocons sideways stats(coef se tstat) ///
>       bdec(4) sdec(3) tdec(2) noparen ///
>       addstat(imm_pl11_adj,`estimate1', se,`se1',tstat, `tstat1', ///
>
joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue',jointsum_chi2,`jointsum_chi2',joi
ntsum_pvalue,`jointsum_pvalue', ///
>       zero,`estimate2',new_tst_F, `new_tst_F',new_tst_pvalue,
`new_tst_pvalue')
97.     } /* close loop for events */
98.
.
.       foreach v of local depen {
99.         di _n(2) as result as result `***2 and phase 3 with interactions***
dependent variable: `v', unemployment: `covar'"
100.        ***phase 2 and phase 3 with interactions
.         ivreg2 `v' `covar' phase2_st ( `mm' `int_mm' = `imm' `int_imm') if
phase2_st == 1 | phase3_st == 1, cluster(tsd_state) ffirst partial(`covar')
101.
.         ***estimate last mail month
.         lincom -
(mm_pl1_adj+mm_pl3_adj+mm_pl4_adj+mm_pl5_adj+mm_pl6_adj+mm_pl7_adj+mm_pl8_adj+mm_pl9_
adj+mm_pl10_adj)
102.         local tstat1=r(estimate)/r(se)
103.         local estimate1 = r(estimate)
104.         local se1 = r(se)
105.
.         ***estimate sum of mail months
.         lincom
mm_pl1_adj+mm_pl3_adj+mm_pl4_adj+mm_pl5_adj+mm_pl6_adj+mm_pl7_adj+mm_pl8_adj+mm_pl9_a
dj+mm_pl10_adj+`estimate1'
106.         local estimate2 = r(estimate)
107.
.
.         ***estimate last interacted mail month
.         lincom -(int_mm_pl1_adj+int_mm_pl3_adj+int_mm_pl4_adj+int_mm_pl5_adj+ ///
>
int_mm_pl6_adj+int_mm_pl7_adj+int_mm_pl8_adj+int_mm_pl9_adj+int_mm_pl10_adj)
108.
.         local tstat=r(estimate)/r(se)
109.         local estimate = r(estimate)
110.         local se = r(se)
111.
.         ***estimate sum of mail months
.         lincom int_mm_pl1_adj+int_mm_pl3_adj+int_mm_pl4_adj+int_mm_pl5_adj+ ///
>
int_mm_pl6_adj+int_mm_pl7_adj+int_mm_pl8_adj+int_mm_pl9_adj+int_mm_pl10_adj+
`estimate'
112.         local estimate3 = r(estimate)
113.
.
.         ***F test
.         test mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj mm_pl7_adj
mm_pl8_adj mm_pl9_adj mm_pl10_adj
114.         local joint_chi2 = r(chi2)
115.         local joint_pvalue = r(p)
116.
.         test int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj int_mm_pl5_adj ///
>
int_mm_pl6_adj int_mm_pl7_adj int_mm_pl8_adj int_mm_pl9_adj
int_mm_pl10_adj

```

```

117.     local jointint_chi2 = r(chi2)
118.     local jointint_pvalue = r(p)
119.
.     if "`v'" == "ldwroll12" {
120.         cap erase "`path'\IV_Pooled_interaction_`covar'.xls"
121.         cap erase "`path'\IV_Pooled_interaction_`covar'.txt"
122.     } /* close if loop */
123.
.     outreg2 using "`path'\IV_Pooled_interaction_`covar'.xls", ///
>     keep(mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj mm_pl7_adj
mm_pl8_adj mm_pl9_adj mm_pl10_adj phase2_st ///
>     int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj int_mm_pl5_adj ///
>     int_mm_pl6_adj int_mm_pl7_adj int_mm_pl8_adj int_mm_pl9_adj
int_mm_pl10_adj) ///
>     nocons sideways stats(coef se tstat) ///
>     bdec(4) sdec(3) tdec(2) noparen ///
>     addstat(int_mm_pl11_adj,`estimate', se,`se',tstat,
`tstat',mm_pl11_adj,`estimate1', se,`se1',tstat, `tstat1', ///
>
joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue',jointint_chi2,`jointint_chi2',joi
ntint_pvalue,`jointint_pvalue',zero,`estimate2', ///
>     int_zero, `estimate3')
124.     } /* close loop for events */
125.
. } /* close unemployment loop */

```

Phase 1 NO NY dependent variable: ldwroll12, unemployment: unemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	3.6e+05
		Prob > F =	0.0000
Total (centered) SS =	11578.11841	Centered R2 =	0.9796
Total (uncentered) SS =	11578.11841	Uncentered R2 =	0.9796
Residual SS =	235.7908144	Root MSE =	.0741

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9977231	.0010482	951.83	0.000	.9956167	.9998296
imm3_adj	-.0021164	.000309	-6.85	0.000	-.0027373	-.0014956
imm4_adj	-.0028902	.0005007	-5.77	0.000	-.0038963	-.0018841

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.6e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 9.1e+05
Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50 Number of obs = 43043
F(3, 49) = 3.0e+05
Prob > F = 0.0000
Total (centered) SS = 21519.82925 Centered R2 = 0.9846
Total (uncentered) SS = 21519.82925 Uncentered R2 = 0.9846
Residual SS = 331.2298858 Root MSE = .08783

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0004038	.0015092	-0.27	0.790	-.0034365	.002629
imm3_adj	.9914074	.0011243	881.78	0.000	.989148	.9936668
imm4_adj	-.0004324	.0007288	-0.59	0.556	-.0018969	.0010321

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.0e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 7.8e+05
Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50 Number of obs = 43043
F(3, 49) = 2.9e+05
Prob > F = 0.0000
Total (centered) SS = 28884.07472 Centered R2 = 0.9875
Total (uncentered) SS = 28884.07472 Uncentered R2 = 0.9875
Residual SS = 361.2943419 Root MSE = .09172

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0013054	.0014344	0.91	0.367	-.0015772	.004188
imm3_adj	.0000849	.0007412	0.11	0.909	-.0014047	.0015744
imm4_adj	.9902624	.0014341	690.53	0.000	.9873805	.9931442

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 2.9e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 4.8e+05
Prob > F = 0.0000

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(3, 49)	P-val	AP Chi-sq(1)	P-val	AP F(1, 49)	
mm1_adj	3.6e+05	0.0000	9.3e+05	0.0000	9.1e+05	
mm3_adj	3.0e+05	0.0000	7.9e+05	0.0000	7.8e+05	
mm4_adj	2.9e+05	0.0000	4.9e+05	0.0000	4.8e+05	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=8.94 P-val=0.0028

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 5.5e+05

Kleibergen-Paap Wald rk F statistic 3.2e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,49)= 0.66 P-val=0.5824

Anderson-Rubin Wald test Chi-sq(3)= 2.02 P-val=0.5691

Stock-Wright LM S statistic Chi-sq(3)= 1.86 P-val=0.6030

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 50

Number of observations N = 43043

Number of regressors K = 3

Number of endogenous regressors K1 = 3

Number of instruments L = 3

Number of excluded instruments L1 = 3

Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) =      50                Number of obs =      43043
                                                F( 3,      49) =      0.66
                                                Prob > F       =      0.5817
Total (centered) SS      =  889.1839789                Centered R2      =      0.0001
Total (uncentered) SS   =  889.1839789                Uncentered R2    =      0.0001
Residual SS              =  889.1186154                Root MSE        =      .1437

```

```

-----+-----
            |               Robust
            |               Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
ldwroll12 |
            |               .0012424   .0018968     0.65  0.512    - .0024753   .0049602
mm1_adj   |               -.0005378   .0010991    -0.49  0.625    - .002692    .0016164
mm3_adj   |               -.001565    .0014622    -1.07  0.284    - .004431    .0013009
mm4_adj   |
-----+-----

```

```

Underidentification test (Kleibergen-Paap rk LM statistic):      8.937
                                                                Chi-sq(1) P-val =      0.0028
-----+-----

```

```

Weak identification test (Cragg-Donald Wald F statistic):      5.5e+05
(Kleibergen-Paap rk Wald F statistic):      3.2e+05
Stock-Yogo weak ID test critical values:      <not available>
-----+-----

```

```

Hansen J statistic (overidentification test of all instruments):      0.000
(equation exactly identified)
-----+-----

```

```

Instrumented:      mm1_adj mm3_adj mm4_adj
Included instruments:
Excluded instruments: imm1_adj imm3_adj imm4_adj
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
tsd_unemp_mean tsd_unemp_cng pial pia_miss imel ime_miss
_cons
nb: small-sample adjustments account for
partialled-out variables
Dropped collinear: st_ND st_NY
-----+-----

```

(1) - mm1_adj - mm3_adj - mm4_adj = 0

```

-----+-----
            |               Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
            |               .0008604   .0011473     0.75  0.453    - .0013883   .0031091
(1)      |
-----+-----

```

(1) mm1_adj + mm3_adj + mm4_adj = -.0008604

```

-----+-----
            |               Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
            |               -3.72e-17   .0011473    -0.00  1.000    - .0022487   .0022487
(1)      |
-----+-----

```

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.00
Prob > chi2 = 0.9560

(1) mm1_adj = 0
(2) mm3_adj = 0
(3) mm4_adj = 0

chi2(3) = 2.02
Prob > chi2 = 0.5683

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.56
Prob > chi2 = 0.4533

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH1NONY_unemp.xls
dir : seeout

Phase 1 NO NY dependent variable: ldwroll24, unemployment: unemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50 Number of obs = 43043
F(3, 49) = 3.6e+05
Prob > F = 0.0000
Total (centered) SS = 11578.11841 Centered R2 = 0.9796
Total (uncentered) SS = 11578.11841 Uncentered R2 = 0.9796
Residual SS = 235.7908144 Root MSE = .0741

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9977231	.0010482	951.83	0.000	.9956167	.9998296
imm3_adj	-.0021164	.000309	-6.85	0.000	-.0027373	-.0014956
imm4_adj	-.0028902	.0005007	-5.77	0.000	-.0038963	-.0018841

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.6e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 9.1e+05
Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	3.0e+05
		Prob > F =	0.0000
Total (centered) SS =	21519.82925	Centered R2 =	0.9846
Total (uncentered) SS =	21519.82925	Uncentered R2 =	0.9846
Residual SS =	331.2298858	Root MSE =	.08783

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0004038	.0015092	-0.27	0.790	-.0034365	.002629
imm3_adj	.9914074	.0011243	881.78	0.000	.989148	.9936668
imm4_adj	-.0004324	.0007288	-0.59	0.556	-.0018969	.0010321

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.0e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 7.8e+05
 Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	2.9e+05
		Prob > F =	0.0000
Total (centered) SS =	28884.07472	Centered R2 =	0.9875
Total (uncentered) SS =	28884.07472	Uncentered R2 =	0.9875
Residual SS =	361.2943419	Root MSE =	.09172

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0013054	.0014344	0.91	0.367	-.0015772	.004188
imm3_adj	.0000849	.0007412	0.11	0.909	-.0014047	.0015744
imm4_adj	.9902624	.0014341	690.53	0.000	.9873805	.9931442

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 2.9e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 4.8e+05
 Prob > F = 0.0000

Summary results for first-stage regressions

```

-----
Variable      | F( 3, 49) P-val | (Underid) AP Chi-sq( 1) P-val | (Weak id) AP F( 1, 49)
mm1_adj      | 3.6e+05 0.0000 | 9.3e+05 0.0000 | 9.1e+05
mm3_adj      | 3.0e+05 0.0000 | 7.9e+05 0.0000 | 7.8e+05
mm4_adj      | 2.9e+05 0.0000 | 4.9e+05 0.0000 | 4.8e+05

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

```

5% maximal IV relative bias 13.91
10% maximal IV size         16.38
15% maximal IV size         8.96
20% maximal IV size         6.66
25% maximal IV size         5.53

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=8.94 P-val=0.0028

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 5.5e+05

Kleibergen-Paap Wald rk F statistic 3.2e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,49)= 0.39 P-val=0.7581

Anderson-Rubin Wald test Chi-sq(3)= 1.21 P-val=0.7512

Stock-Wright LM S statistic Chi-sq(3)= 0.96 P-val=0.8098

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

```

Number of clusters      N_clust = 50
Number of observations   N = 43043
Number of regressors    K = 3
Number of endogenous regressors K1 = 3
Number of instruments    L = 3
Number of excluded instruments L1 = 3
Number of partialled-out regressors/IVs = 97
NB: K & L do not included partialled-out variables

```

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) = 50
Number of obs = 43043
F( 3, 49) = 0.39
Prob > F = 0.7581

```

Total (centered) SS = 1647.21535 Centered R2 = 0.0000
 Total (uncentered) SS = 1647.21535 Uncentered R2 = 0.0000
 Residual SS = 1647.187977 Root MSE = .1956

```
-----
```

ldwroll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj	.0015069	.0033787	0.45	0.656	-.0051152	.0081291
mm3_adj	-.0003563	.0010737	-0.33	0.740	-.0024607	.0017481
mm4_adj	.0001246	.0026711	0.05	0.963	-.0051106	.0053598

```
-----
```

Underidentification test (Kleibergen-Paap rk LM statistic): 8.937
 Chi-sq(1) P-val = 0.0028

Weak identification test (Cragg-Donald Wald F statistic): 5.5e+05
 (Kleibergen-Paap rk Wald F statistic): 3.2e+05
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

```
-----
```

Instrumented: mm1_adj mm3_adj mm4_adj
 Included instruments:
 Excluded instruments: imm1_adj imm3_adj imm4_adj
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
 tsd_unemp_mean tsd_unemp_cng pial pia_miss imel ime_miss
 _cons
 nb: small-sample adjustments account for
 partialled-out variables
 Dropped collinear: st_ND st_NY

```
-----
```

(1) - mm1_adj - mm3_adj - mm4_adj = 0

```
-----
```

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0012752	.0016305	-0.78	0.434	-.0044709	.0019205

```
-----
```

(1) mm1_adj + mm3_adj + mm4_adj = .0012752

```
-----
```

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	4.32e-17	.0016305	0.00	1.000	-.0031957	.0031957

```
-----
```

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.50
Prob > chi2 = 0.4817

- (1) mm1_adj = 0
- (2) mm3_adj = 0
- (3) mm4_adj = 0

chi2(3) = 1.21
Prob > chi2 = 0.7511

- (1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.61
Prob > chi2 = 0.4341

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_PHLNONY_unemp.xls

dir : seeout

Phase 1 NO NY dependent variable: ldwroll36, unemployment: unemp

Warning - collinearities detected

Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	3.6e+05
		Prob > F =	0.0000
Total (centered) SS =	11578.11841	Centered R2 =	0.9796
Total (uncentered) SS =	11578.11841	Uncentered R2 =	0.9796
Residual SS =	235.7908144	Root MSE =	.0741

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9977231	.0010482	951.83	0.000	.9956167	.9998296
imm3_adj	-.0021164	.000309	-6.85	0.000	-.0027373	-.0014956
imm4_adj	-.0028902	.0005007	-5.77	0.000	-.0038963	-.0018841

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.6e+05

Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 9.1e+05

Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on `tsd_state`

Number of clusters (`tsd_state`) = 50 Number of obs = 43043
F(3, 49) = 3.0e+05
Prob > F = 0.0000
Total (centered) SS = 21519.82925 Centered R2 = 0.9846
Total (uncentered) SS = 21519.82925 Uncentered R2 = 0.9846
Residual SS = 331.2298858 Root MSE = .08783

<code>mm3_adj</code>	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
<code>imm1_adj</code>	-.0004038	.0015092	-0.27	0.790	-.0034365	.002629
<code>imm3_adj</code>	.9914074	.0011243	881.78	0.000	.989148	.9936668
<code>imm4_adj</code>	-.0004324	.0007288	-0.59	0.556	-.0018969	.0010321

Included instruments: `imm1_adj imm3_adj imm4_adj`

F test of excluded instruments:

F(3, 49) = 3.0e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 7.8e+05
Prob > F = 0.0000

First-stage regression of `mm4_adj`:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on `tsd_state`

Number of clusters (`tsd_state`) = 50 Number of obs = 43043
F(3, 49) = 2.9e+05
Prob > F = 0.0000
Total (centered) SS = 28884.07472 Centered R2 = 0.9875
Total (uncentered) SS = 28884.07472 Uncentered R2 = 0.9875
Residual SS = 361.2943419 Root MSE = .09172

<code>mm4_adj</code>	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
<code>imm1_adj</code>	.0013054	.0014344	0.91	0.367	-.0015772	.004188
<code>imm3_adj</code>	.0000849	.0007412	0.11	0.909	-.0014047	.0015744
<code>imm4_adj</code>	.9902624	.0014341	690.53	0.000	.9873805	.9931442

Included instruments: `imm1_adj imm3_adj imm4_adj`

F test of excluded instruments:

F(3, 49) = 2.9e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 4.8e+05
Prob > F = 0.0000

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(3, 49)	P-val	AP Chi-sq(1)	P-val	AP F(1, 49)	
mm1_adj	3.6e+05	0.0000	9.3e+05	0.0000	9.1e+05	
mm3_adj	3.0e+05	0.0000	7.9e+05	0.0000	7.8e+05	
mm4_adj	2.9e+05	0.0000	4.9e+05	0.0000	4.8e+05	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=8.94 P-val=0.0028

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 5.5e+05

Kleibergen-Paap Wald rk F statistic 3.2e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,49)= 0.88 P-val=0.4585

Anderson-Rubin Wald test Chi-sq(3)= 2.70 P-val=0.4407

Stock-Wright LM S statistic Chi-sq(3)= 1.92 P-val=0.5892

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 50
 Number of observations N = 43043
 Number of regressors K = 3
 Number of endogenous regressors K1 = 3
 Number of instruments L = 3
 Number of excluded instruments L1 = 3
 Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	0.88
		Prob > F =	0.4587
Total (centered) SS =	2312.897037	Centered R2 =	0.0001
Total (uncentered) SS =	2312.897037	Uncentered R2 =	0.0001
Residual SS =	2312.689385	Root MSE =	.2318

ldwroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj	.0063403	.0049131	1.29	0.197	-.0032891	.0159698
mm3_adj	-.0020035	.0016813	-1.19	0.233	-.0052989	.0012918
mm4_adj	-.0011444	.0036001	-0.32	0.751	-.0082004	.0059116

Underidentification test (Kleibergen-Paap rk LM statistic): 8.937
Chi-sq(1) P-val = 0.0028

Weak identification test (Cragg-Donald Wald F statistic): 5.5e+05
(Kleibergen-Paap rk Wald F statistic): 3.2e+05

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm1_adj mm3_adj mm4_adj
Included instruments:
Excluded instruments: imm1_adj imm3_adj imm4_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd epeb4tsd ldwb4tsd ldwb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss imel ime_miss _cons
nb: small-sample adjustments account for partialled-out variables
Dropped collinear: st_ND st_NY

(1) - mm1_adj - mm3_adj - mm4_adj = 0

ldwroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0031924	.002244	-1.42	0.155	-.0075905	.0012057

(1) mm1_adj + mm3_adj + mm4_adj = .0031924

ldwroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	3.25e-17	.002244	0.00	1.000	-.0043981	.0043981

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 1.41
Prob > chi2 = 0.2346

(1) mm1_adj = 0
 (2) mm3_adj = 0
 (3) mm4_adj = 0

chi2(3) = 2.70
 Prob > chi2 = 0.4410

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 2.02
 Prob > chi2 = 0.1548

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NONY_unemp.xls
 dir : seeout

Phase 1 NO NY dependent variable: ldwroll48, unemployment: unemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	3.6e+05
		Prob > F =	0.0000
Total (centered) SS	= 11578.11841	Centered R2 =	0.9796
Total (uncentered) SS	= 11578.11841	Uncentered R2 =	0.9796
Residual SS	= 235.7908144	Root MSE =	.0741

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9977231	.0010482	951.83	0.000	.9956167	.9998296
imm3_adj	-.0021164	.000309	-6.85	0.000	-.0027373	-.0014956
imm4_adj	-.0028902	.0005007	-5.77	0.000	-.0038963	-.0018841

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.6e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 9.1e+05
 Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) =      50          Number of obs =      43043
                                          F( 3, 49) = 3.0e+05
                                          Prob > F    = 0.0000
Total (centered) SS      = 21519.82925          Centered R2    = 0.9846
Total (uncentered) SS   = 21519.82925          Uncentered R2  = 0.9846
Residual SS              = 331.2298858          Root MSE       = .08783
    
```

```

-----+-----
mm3_adj |          Coef.   Robust Std. Err.   t   P>|t|   [95% Conf. Interval]
-----+-----
imm1_adj | -.0004038   .0015092   -0.27   0.790   -.0034365   .002629
imm3_adj |  .9914074   .0011243   881.78   0.000   .989148   .9936668
imm4_adj | -.0004324   .0007288   -0.59   0.556   -.0018969   .0010321
    
```

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

```

F( 3, 49) = 3.0e+05
Prob > F    = 0.0000
    
```

Angrist-Pischke multivariate F test of excluded instruments:

```

F( 1, 49) = 7.8e+05
Prob > F    = 0.0000
    
```

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) =      50          Number of obs =      43043
                                          F( 3, 49) = 2.9e+05
                                          Prob > F    = 0.0000
Total (centered) SS      = 28884.07472          Centered R2    = 0.9875
Total (uncentered) SS   = 28884.07472          Uncentered R2  = 0.9875
Residual SS              = 361.2943419          Root MSE       = .09172
    
```

```

-----+-----
mm4_adj |          Coef.   Robust Std. Err.   t   P>|t|   [95% Conf. Interval]
-----+-----
imm1_adj |  .0013054   .0014344    0.91   0.367   -.0015772   .004188
imm3_adj |  .0000849   .0007412    0.11   0.909   -.0014047   .0015744
imm4_adj |  .9902624   .0014341  690.53   0.000   .9873805   .9931442
    
```

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

```

F( 3, 49) = 2.9e+05
Prob > F    = 0.0000
    
```

Angrist-Pischke multivariate F test of excluded instruments:

```

F( 1, 49) = 4.8e+05
Prob > F    = 0.0000
    
```

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(3, 49)	P-val	AP Chi-sq(1)	P-val	AP F(1, 49)	
mm1_adj	3.6e+05	0.0000	9.3e+05	0.0000	9.1e+05	
mm3_adj	3.0e+05	0.0000	7.9e+05	0.0000	7.8e+05	
mm4_adj	2.9e+05	0.0000	4.9e+05	0.0000	4.8e+05	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=8.94 P-val=0.0028

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 5.5e+05

Kleibergen-Paap Wald rk F statistic 3.2e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,49)= 1.68 P-val=0.1826

Anderson-Rubin Wald test Chi-sq(3)= 5.17 P-val=0.1599

Stock-Wright LM S statistic Chi-sq(3)= 3.23 P-val=0.3575

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 50

Number of observations N = 43043

Number of regressors K = 3

Number of endogenous regressors K1 = 3

Number of instruments L = 3

Number of excluded instruments L1 = 3

Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50 Number of obs = 43043

F(3, 49) = 1.68

Prob > F = 0.1827

Centered R2 = 0.0001

Uncentered R2 = 0.0001

Root MSE = .2558

Total (centered) SS = 2817.473286

Total (uncentered) SS = 2817.473286

Residual SS = 2817.121815

| Robust

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj	.0073631	.0048253	1.53	0.127	-.0020943	.0168205
mm3_adj	-.0028392	.0015767	-1.80	0.072	-.0059294	.000251
mm4_adj	-.0004723	.0039321	-0.12	0.904	-.0081792	.0072345

Underidentification test (Kleibergen-Paap rk LM statistic): 8.937
Chi-sq(1) P-val = 0.0028

Weak identification test (Cragg-Donald Wald F statistic): 5.5e+05
(Kleibergen-Paap rk Wald F statistic): 3.2e+05

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm1_adj mm3_adj mm4_adj
Included instruments:
Excluded instruments: imm1_adj imm3_adj imm4_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss imel ime_miss _cons
nb: small-sample adjustments account for partialled-out variables
Dropped collinear: st_ND st_NY

$$(1) - mm1_adj - mm3_adj - mm4_adj = 0$$

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0040516	.0020835	-1.94	0.052	-.0081353	.0000321

$$(1) mm1_adj + mm3_adj + mm4_adj = .0040516$$

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	1.47e-17	.0020835	0.00	1.000	-.0040837	.0040837

$$(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0$$

chi2(1) = 2.96
Prob > chi2 = 0.0852

$$(1) mm1_adj = 0$$

$$(2) mm3_adj = 0$$

```
( 3) mm4_adj = 0
      chi2( 3) = 5.17
      Prob > chi2 = 0.1601

( 1) mm1_adj + mm3_adj + mm4_adj = 0
      chi2( 1) = 3.78
      Prob > chi2 = 0.0518
```

```
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PhlNONY_unemp.xls
dir : seeout
```

```
***Phase 1 NO NY*** dependent variable: eperoll12, unemployment: unemp
Warning - collinearities detected
Vars dropped: st_ND st_NY
```

```
First-stage regressions
-----
```

```
First-stage regression of mm1_adj:
```

```
OLS estimation
-----
```

```
Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state
```

```
Number of clusters (tsd_state) = 50
Number of obs = 43043
F( 3, 49) = 3.6e+05
Prob > F = 0.0000
Centered R2 = 0.9796
Uncentered R2 = 0.9796
Root MSE = .0741

Total (centered) SS = 11578.11841
Total (uncentered) SS = 11578.11841
Residual SS = 235.7908144
```

```
-----
```

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9977231	.0010482	951.83	0.000	.9956167	.9998296
imm3_adj	-.0021164	.000309	-6.85	0.000	-.0027373	-.0014956
imm4_adj	-.0028902	.0005007	-5.77	0.000	-.0038963	-.0018841

```
-----
```

```
Included instruments: imm1_adj imm3_adj imm4_adj
-----
```

```
F test of excluded instruments:
F( 3, 49) = 3.6e+05
Prob > F = 0.0000
Angrist-Pischke multivariate F test of excluded instruments:
F( 1, 49) = 9.1e+05
Prob > F = 0.0000
```

```
First-stage regression of mm3_adj:
```

```
OLS estimation
-----
```

```
Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state
```

```
Number of clusters (tsd_state) = 50
Number of obs = 43043
```

F(3, 49) = 3.0e+05
 Prob > F = 0.0000
 Centered R2 = 0.9846
 Uncentered R2 = 0.9846
 Root MSE = .08783

Total (centered) SS = 21519.82925
 Total (uncentered) SS = 21519.82925
 Residual SS = 331.2298858

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0004038	.0015092	-0.27	0.790	-.0034365	.002629
imm3_adj	.9914074	.0011243	881.78	0.000	.989148	.9936668
imm4_adj	-.0004324	.0007288	-0.59	0.556	-.0018969	.0010321

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.0e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 7.8e+05
 Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50
 Number of obs = 43043
 F(3, 49) = 2.9e+05
 Prob > F = 0.0000
 Centered R2 = 0.9875
 Uncentered R2 = 0.9875
 Root MSE = .09172

Total (centered) SS = 28884.07472
 Total (uncentered) SS = 28884.07472
 Residual SS = 361.2943419

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0013054	.0014344	0.91	0.367	-.0015772	.004188
imm3_adj	.0000849	.0007412	0.11	0.909	-.0014047	.0015744
imm4_adj	.9902624	.0014341	690.53	0.000	.9873805	.9931442

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 2.9e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 4.8e+05
 Prob > F = 0.0000

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 49)	P-val	AP Chi-sq(1)	P-val
mm1_adj	3.6e+05	0.0000	9.3e+05	0.0000

mm3_adj	3.0e+05	0.0000	7.9e+05	0.0000	7.8e+05
mm4_adj	2.9e+05	0.0000	4.9e+05	0.0000	4.8e+05

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=8.94 P-val=0.0028

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 5.5e+05
 Kleibergen-Paap Wald rk F statistic 3.2e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(3,49)= 0.31 P-val=0.8190
 Anderson-Rubin Wald test Chi-sq(3)= 0.95 P-val=0.8141
 Stock-Wright LM S statistic Chi-sq(3)= 0.84 P-val=0.8397

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 50
 Number of observations N = 43043
 Number of regressors K = 3
 Number of endogenous regressors K1 = 3
 Number of instruments L = 3
 Number of excluded instruments L1 = 3
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	0.31
		Prob > F =	0.8191
Total (centered) SS =	1065.046726	Centered R2 =	0.0000
Total (uncentered) SS =	1065.046726	Uncentered R2 =	0.0000
Residual SS =	1065.021606	Root MSE =	.1573

	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
eperoll12	.0008614	.0020557	0.42	0.675	-.0031676 .0048905

```

mm3_adj | .0007026 .0009973 0.70 0.481 -.001252 .0026572
mm4_adj | -.0005122 .0016168 -0.32 0.751 -.0036811 .0026568
-----
Underidentification test (Kleibergen-Paap rk LM statistic): 8.937
Chi-sq(1) P-val = 0.0028
-----
Weak identification test (Cragg-Donald Wald F statistic): 5.5e+05
(Kleibergen-Paap rk Wald F statistic): 3.2e+05
Stock-Yogo weak ID test critical values: <not available>
-----
Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)
-----
Instrumented: mm1_adj mm3_adj mm4_adj
Included instruments:
Excluded instruments: imm1_adj imm3_adj imm4_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1 ime_miss
_cons
nb: small-sample adjustments account for
partialled-out variables
Dropped collinear: st_ND st_NY
-----
( 1) - mm1_adj - mm3_adj - mm4_adj = 0
-----
eperoll12 | Coef. Std. Err. z P>|z| [95% Conf. Interval]
-----+-----
(1) | -.0010519 .0014094 -0.75 0.455 -.0038143 .0017105
-----
( 1) mm1_adj + mm3_adj + mm4_adj = .0010519
-----
eperoll12 | Coef. Std. Err. z P>|z| [95% Conf. Interval]
-----+-----
(1) | 5.20e-18 .0014094 0.00 1.000 -.0027624 .0027624
-----
( 1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2( 1) = 0.30
Prob > chi2 = 0.5842

( 1) mm1_adj = 0
( 2) mm3_adj = 0
( 3) mm4_adj = 0

chi2( 3) = 0.95

```

```

        Prob > chi2 =      0.8142

( 1)  mm1_adj + mm3_adj + mm4_adj = 0

        chi2( 1) =      0.56
        Prob > chi2 =      0.4555
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PhlNONY_unemp.xls
dir : seeout

```

```

***Phase 1 NO NY*** dependent variable: eperoll24, unemployment: unemp
Warning - collinearities detected
Vars dropped:      st_ND st_NY

```

```

First-stage regressions
-----

```

```

First-stage regression of mm1_adj:

```

```

OLS estimation
-----

```

```

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

```

```

Number of clusters (tsd_state) =      50
Number of obs =      43043
F( 3, 49) =      3.6e+05
Prob > F =      0.0000
Centered R2 =      0.9796
Uncentered R2 =      0.9796
Residual SS =      235.7908144
Root MSE =      .0741

```

```

-----

```

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9977231	.0010482	951.83	0.000	.9956167	.9998296
imm3_adj	-.0021164	.000309	-6.85	0.000	-.0027373	-.0014956
imm4_adj	-.0028902	.0005007	-5.77	0.000	-.0038963	-.0018841

```

-----

```

```

Included instruments: imm1_adj imm3_adj imm4_adj
-----

```

```

F test of excluded instruments:
F( 3, 49) =      3.6e+05
Prob > F =      0.0000
Angrist-Pischke multivariate F test of excluded instruments:
F( 1, 49) =      9.1e+05
Prob > F =      0.0000

```

```

First-stage regression of mm3_adj:

```

```

OLS estimation
-----

```

```

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

```

```

Number of clusters (tsd_state) =      50
Number of obs =      43043
F( 3, 49) =      3.0e+05
Prob > F =      0.0000
Centered R2 =      0.9846
Total (centered) SS =      21519.82925

```

Total (uncentered) SS = 21519.82925 Uncentered R2 = 0.9846
Residual SS = 331.2298858 Root MSE = .08783

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0004038	.0015092	-0.27	0.790	-.0034365	.002629
imm3_adj	.9914074	.0011243	881.78	0.000	.989148	.9936668
imm4_adj	-.0004324	.0007288	-0.59	0.556	-.0018969	.0010321

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.0e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 7.8e+05
Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50 Number of obs = 43043
F(3, 49) = 2.9e+05
Prob > F = 0.0000
Total (centered) SS = 28884.07472 Centered R2 = 0.9875
Total (uncentered) SS = 28884.07472 Uncentered R2 = 0.9875
Residual SS = 361.2943419 Root MSE = .09172

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0013054	.0014344	0.91	0.367	-.0015772	.004188
imm3_adj	.0000849	.0007412	0.11	0.909	-.0014047	.0015744
imm4_adj	.9902624	.0014341	690.53	0.000	.9873805	.9931442

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 2.9e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 4.8e+05
Prob > F = 0.0000

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 49)	P-val	AP Chi-sq(1)	P-val
mm1_adj	3.6e+05	0.0000	9.3e+05	0.0000
mm3_adj	3.0e+05	0.0000	7.9e+05	0.0000
mm4_adj	2.9e+05	0.0000	4.9e+05	0.0000

Underidentification test (Kleibergen-Paap rk LM statistic): 8.937
 Chi-sq(1) P-val = 0.0028

Weak identification test (Cragg-Donald Wald F statistic): 5.5e+05
 (Kleibergen-Paap rk Wald F statistic): 3.2e+05
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm1_adj mm3_adj mm4_adj
 Included instruments:
 Excluded instruments: imm1_adj imm3_adj imm4_adj
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
 tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1 ime_miss
 _cons
 nb: small-sample adjustments account for
 partialled-out variables
 Dropped collinear: st_ND st_NY

(1) - mm1_adj - mm3_adj - mm4_adj = 0

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0021641	.0013438	-1.61	0.107	-.004798 .0004697

(1) mm1_adj + mm3_adj + mm4_adj = .0021641

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	8.24e-18	.0013438	0.00	1.000	-.0026339 .0026339

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.93
 Prob > chi2 = 0.3340

(1) mm1_adj = 0
 (2) mm3_adj = 0
 (3) mm4_adj = 0

chi2(3) = 3.20
 Prob > chi2 = 0.3617

(1) mm1_adj + mm3_adj + mm4_adj = 0

```

        chi2( 1) =      2.59
        Prob > chi2 =    0.1073
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PhlNONY_unemp.xls
dir : seeout

```

```

***Phase 1 NO NY*** dependent variable: eperoll36, unemployment: unemp
Warning - collinearities detected
Vars dropped:          st_ND st_NY

```

```

First-stage regressions
-----

```

```

First-stage regression of mml_adj:

```

```

OLS estimation
-----

```

```

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

```

```

Number of clusters (tsd_state) =      50                Number of obs =    43043
                                                F( 3,    49) =   3.6e+05
                                                Prob > F      =    0.0000
Total (centered) SS      =  11578.11841                Centered R2     =   0.9796
Total (uncentered) SS   =  11578.11841                Uncentered R2  =   0.9796
Residual SS              =   235.7908144                Root MSE       =    .0741

```

```

-----

```

mml_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9977231	.0010482	951.83	0.000	.9956167	.9998296
imm3_adj	-.0021164	.000309	-6.85	0.000	-.0027373	-.0014956
imm4_adj	-.0028902	.0005007	-5.77	0.000	-.0038963	-.0018841

```

-----

```

```

Included instruments: imm1_adj imm3_adj imm4_adj
-----

```

```

F test of excluded instruments:
  F( 3,    49) =   3.6e+05
  Prob > F      =    0.0000
Angrist-Pischke multivariate F test of excluded instruments:
  F( 1,    49) =   9.1e+05
  Prob > F      =    0.0000

```

```

First-stage regression of mm3_adj:

```

```

OLS estimation
-----

```

```

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

```

```

Number of clusters (tsd_state) =      50                Number of obs =    43043
                                                F( 3,    49) =   3.0e+05
                                                Prob > F      =    0.0000
Total (centered) SS      =  21519.82925                Centered R2     =   0.9846
Total (uncentered) SS   =  21519.82925                Uncentered R2  =   0.9846
Residual SS              =   331.2298858                Root MSE       =    .08783

```

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0004038	.0015092	-0.27	0.790	-.0034365	.002629
imm3_adj	.9914074	.0011243	881.78	0.000	.989148	.9936668
imm4_adj	-.0004324	.0007288	-0.59	0.556	-.0018969	.0010321

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.0e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 7.8e+05
 Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	2.9e+05
		Prob > F =	0.0000
Total (centered) SS =	28884.07472	Centered R2 =	0.9875
Total (uncentered) SS =	28884.07472	Uncentered R2 =	0.9875
Residual SS =	361.2943419	Root MSE =	.09172

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0013054	.0014344	0.91	0.367	-.0015772	.004188
imm3_adj	.0000849	.0007412	0.11	0.909	-.0014047	.0015744
imm4_adj	.9902624	.0014341	690.53	0.000	.9873805	.9931442

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 2.9e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 4.8e+05
 Prob > F = 0.0000

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(3, 49)	P-val	AP Chi-sq(1)	P-val	AP F(1, 49)	P-val
mm1_adj	3.6e+05	0.0000	9.3e+05	0.0000	9.1e+05	
mm3_adj	3.0e+05	0.0000	7.9e+05	0.0000	7.8e+05	
mm4_adj	2.9e+05	0.0000	4.9e+05	0.0000	4.8e+05	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias 13.91
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=8.94 P-val=0.0028

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 5.5e+05

Kleibergen-Paap Wald rk F statistic 3.2e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,49)= 2.06 P-val=0.1179

Anderson-Rubin Wald test Chi-sq(3)= 6.32 P-val=0.0972

Stock-Wright LM S statistic Chi-sq(3)= 4.49 P-val=0.2129

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 50
 Number of observations N = 43043
 Number of regressors K = 3
 Number of endogenous regressors K1 = 3
 Number of instruments L = 3
 Number of excluded instruments L1 = 3
 Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50 Number of obs = 43043
 F(3, 49) = 2.06
 Prob > F = 0.1180
 Total (centered) SS = 2741.60726 Centered R2 = 0.0001
 Total (uncentered) SS = 2741.60726 Uncentered R2 = 0.0001
 Residual SS = 2741.304735 Root MSE = .2524

eperoll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mm1_adj	.0076147	.0041497	1.84	0.067	-.0005185 .0157479
mm3_adj	-.0016143	.0026605	-0.61	0.544	-.0068288 .0036003
mm4_adj	-.0023417	.0028184	-0.83	0.406	-.0078657 .0031822

Underidentification test (Kleibergen-Paap rk LM statistic): 8.937
 Chi-sq(1) P-val = 0.0028

Weak identification test (Cragg-Donald Wald F statistic): 5.5e+05
 (Kleibergen-Paap rk Wald F statistic): 3.2e+05
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

 Instrumented: mm1_adj mm3_adj mm4_adj
 Included instruments:
 Excluded instruments: imm1_adj imm3_adj imm4_adj
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
 tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1 ime_miss
 _cons
 nb: small-sample adjustments account for
 partialled-out variables
 Dropped collinear: st_ND st_NY

(1) - mm1_adj - mm3_adj - mm4_adj = 0

eperoll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0036587	.0018878	-1.94	0.053	-.0073588	.0000414

(1) mm1_adj + mm3_adj + mm4_adj = .0036587

eperoll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-1.52e-17	.0018878	-0.00	1.000	-.0037001	.0037001

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.44
 Prob > chi2 = 0.5071

(1) mm1_adj = 0
 (2) mm3_adj = 0
 (3) mm4_adj = 0

chi2(3) = 6.31
 Prob > chi2 = 0.0973

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 3.76
 Prob > chi2 = 0.0526

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NONY_unemp.xls
 dir : seeout

Phase 1 NO NY dependent variable: eperoll48, unemployment: unemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mml_adj:

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	3.6e+05
		Prob > F =	0.0000
Total (centered) SS =	11578.11841	Centered R2 =	0.9796
Total (uncentered) SS =	11578.11841	Uncentered R2 =	0.9796
Residual SS =	235.7908144	Root MSE =	.0741

mml_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9977231	.0010482	951.83	0.000	.9956167	.9998296
imm3_adj	-.0021164	.000309	-6.85	0.000	-.0027373	-.0014956
imm4_adj	-.0028902	.0005007	-5.77	0.000	-.0038963	-.0018841

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.6e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 9.1e+05
 Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	3.0e+05
		Prob > F =	0.0000
Total (centered) SS =	21519.82925	Centered R2 =	0.9846
Total (uncentered) SS =	21519.82925	Uncentered R2 =	0.9846
Residual SS =	331.2298858	Root MSE =	.08783

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
---------	-------	------------------	---	------	----------------------	--

	imm1_adj	imm3_adj	imm4_adj
imm1_adj	-.0004038	.0015092	-0.27
imm3_adj	.9914074	.0011243	881.78
imm4_adj	-.0004324	.0007288	-0.59

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.0e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 7.8e+05
 Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	2.9e+05
		Prob > F =	0.0000
Total (centered) SS =	28884.07472	Centered R2 =	0.9875
Total (uncentered) SS =	28884.07472	Uncentered R2 =	0.9875
Residual SS =	361.2943419	Root MSE =	.09172

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
imm1_adj	.0013054	.0014344	0.91	0.367	-.0015772 .004188
imm3_adj	.0000849	.0007412	0.11	0.909	-.0014047 .0015744
imm4_adj	.9902624	.0014341	690.53	0.000	.9873805 .9931442

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 2.9e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 4.8e+05
 Prob > F = 0.0000

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 49)	P-val	AP Chi-sq(1)	P-val
mm1_adj	3.6e+05	0.0000	9.3e+05	0.0000
mm3_adj	3.0e+05	0.0000	7.9e+05	0.0000
mm4_adj	2.9e+05	0.0000	4.9e+05	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV size	16.38
15% maximal IV size	8.96

20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=8.94 P-val=0.0028

Weak identification test

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 5.5e+05
 Kleibergen-Paap Wald rk F statistic 3.2e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3: <not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,49)= 0.36 P-val=0.7825
 Anderson-Rubin Wald test Chi-sq(3)= 1.10 P-val=0.7763
 Stock-Wright LM S statistic Chi-sq(3)= 1.02 P-val=0.7967

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 50
 Number of observations N = 43043
 Number of regressors K = 3
 Number of endogenous regressors K1 = 3
 Number of instruments L = 3
 Number of excluded instruments L1 = 3
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50 Number of obs = 43043
 F(3, 49) = 0.36
 Prob > F = 0.7826
 Total (centered) SS = 3362.70415 Centered R2 = 0.0000
 Total (uncentered) SS = 3362.70415 Uncentered R2 = 0.0000
 Residual SS = 3362.553772 Root MSE = .2795

eperoll148	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj	.004399	.0050696	0.87	0.386	-.0055373	.0143353
mm3_adj	-.0019663	.0031314	-0.63	0.530	-.0081037	.0041712
mm4_adj	-.0001364	.0028727	-0.05	0.962	-.0057669	.005494

Underidentification test (Kleibergen-Paap rk LM statistic): 8.937
 Chi-sq(1) P-val = 0.0028

Weak identification test (Cragg-Donald Wald F statistic): 5.5e+05
 (Kleibergen-Paap rk Wald F statistic): 3.2e+05

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm1_adj mm3_adj mm4_adj
Included instruments:
Excluded instruments: imm1_adj imm3_adj imm4_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
tsd_unemp_mean tsd_unemp_cng pia1 pia_miss imel ime_miss
_cons
nb: small-sample adjustments account for
partialled-out variables
Dropped collinear: st_ND st_NY

(1) - mm1_adj - mm3_adj - mm4_adj = 0

eperoll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0022963	.0025847	-0.89	0.374	-.0073622 .0027695

(1) mm1_adj + mm3_adj + mm4_adj = .0022963

eperoll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	2.04e-17	.0025847	0.00	1.000	-.0050659 .0050659

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.57
Prob > chi2 = 0.4486

(1) mm1_adj = 0
(2) mm3_adj = 0
(3) mm4_adj = 0

chi2(3) = 1.10
Prob > chi2 = 0.7764

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.79
Prob > chi2 = 0.3743

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH1NONY_unemp.xls

dir : seeout

Phase 1 NO NY dependent variable: twproll12, unemployment: unemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mml_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50 Number of obs = 43043
F(3, 49) = 3.6e+05
Prob > F = 0.0000
Total (centered) SS = 11578.11841 Centered R2 = 0.9796
Total (uncentered) SS = 11578.11841 Uncentered R2 = 0.9796
Residual SS = 235.7908144 Root MSE = .0741

mml_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9977231	.0010482	951.83	0.000	.9956167	.9998296
imm3_adj	-.0021164	.000309	-6.85	0.000	-.0027373	-.0014956
imm4_adj	-.0028902	.0005007	-5.77	0.000	-.0038963	-.0018841

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.6e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 9.1e+05
Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50 Number of obs = 43043
F(3, 49) = 3.0e+05
Prob > F = 0.0000
Total (centered) SS = 21519.82925 Centered R2 = 0.9846
Total (uncentered) SS = 21519.82925 Uncentered R2 = 0.9846
Residual SS = 331.2298858 Root MSE = .08783

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0004038	.0015092	-0.27	0.790	-.0034365	.002629
imm3_adj	.9914074	.0011243	881.78	0.000	.989148	.9936668

```
imm4_adj | -.0004324 .0007288 -0.59 0.556 -.0018969 .0010321
```

```
-----
Included instruments: imm1_adj imm3_adj imm4_adj
-----
```

F test of excluded instruments:

```
F( 3, 49) = 3.0e+05
Prob > F = 0.0000
```

Angrist-Pischke multivariate F test of excluded instruments:

```
F( 1, 49) = 7.8e+05
Prob > F = 0.0000
```

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

```
Number of clusters (tsd_state) = 50
Number of obs = 43043
F( 3, 49) = 2.9e+05
Prob > F = 0.0000
Centered R2 = 0.9875
Uncentered R2 = 0.9875
Root MSE = .09172

Total (centered) SS = 28884.07472
Total (uncentered) SS = 28884.07472
Residual SS = 361.2943419
```

```
-----
mm4_adj |
Coef. Robust Std. Err. t P>|t| [95% Conf. Interval]
-----+-----
imm1_adj | .0013054 .0014344 0.91 0.367 -.0015772 .004188
imm3_adj | .0000849 .0007412 0.11 0.909 -.0014047 .0015744
imm4_adj | .9902624 .0014341 690.53 0.000 .9873805 .9931442
-----
```

```
-----
Included instruments: imm1_adj imm3_adj imm4_adj
-----
```

F test of excluded instruments:

```
F( 3, 49) = 2.9e+05
Prob > F = 0.0000
```

Angrist-Pischke multivariate F test of excluded instruments:

```
F( 1, 49) = 4.8e+05
Prob > F = 0.0000
```

Summary results for first-stage regressions

```
-----
Variable | F( 3, 49) P-val | (Underid) AP Chi-sq( 1) P-val | (Weak id) AP F( 1, 49)
-----+-----+-----+-----
mm1_adj | 3.6e+05 0.0000 | 9.3e+05 0.0000 | 9.1e+05
mm3_adj | 3.0e+05 0.0000 | 7.9e+05 0.0000 | 7.8e+05
mm4_adj | 2.9e+05 0.0000 | 4.9e+05 0.0000 | 4.8e+05
-----
```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

```
5% maximal IV relative bias 13.91
10% maximal IV size 16.38
15% maximal IV size 8.96
20% maximal IV size 6.66
25% maximal IV size 5.53
```

Source: Stock-Yogo (2005). Reproduced by permission.


```

-----
Instrumented:      mm1_adj mm3_adj mm4_adj
Included instruments:
Excluded instruments: imm1_adj imm3_adj imm4_adj
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
                  st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
                  st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
                  tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1 ime_miss
                  _cons
                  nb: small-sample adjustments account for
                      partialled-out variables
Dropped collinear: st_ND st_NY
-----

```

(1) - mm1_adj - mm3_adj - mm4_adj = 0

twproll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0020971	.0011792	-1.78	0.075	-.0044083	.0002141

(1) mm1_adj + mm3_adj + mm4_adj = .0020971

twproll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	2.17e-18	.0011792	0.00	1.000	-.0023112	.0023112

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 2.05
 Prob > chi2 = 0.1523

(1) mm1_adj = 0
 (2) mm3_adj = 0
 (3) mm4_adj = 0

chi2(3) = 6.36
 Prob > chi2 = 0.0951

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 3.16
 Prob > chi2 = 0.0753

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NONY_unemp.xls
 dir : seeout

Phase 1 NO NY dependent variable: twproll24, unemployment: unemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mml_adj:

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	3.6e+05
		Prob > F =	0.0000
Total (centered) SS =	11578.11841	Centered R2 =	0.9796
Total (uncentered) SS =	11578.11841	Uncentered R2 =	0.9796
Residual SS =	235.7908144	Root MSE =	.0741

mml_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9977231	.0010482	951.83	0.000	.9956167	.9998296
imm3_adj	-.0021164	.000309	-6.85	0.000	-.0027373	-.0014956
imm4_adj	-.0028902	.0005007	-5.77	0.000	-.0038963	-.0018841

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.6e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 9.1e+05
 Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	3.0e+05
		Prob > F =	0.0000
Total (centered) SS =	21519.82925	Centered R2 =	0.9846
Total (uncentered) SS =	21519.82925	Uncentered R2 =	0.9846
Residual SS =	331.2298858	Root MSE =	.08783

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0004038	.0015092	-0.27	0.790	-.0034365	.002629
imm3_adj	.9914074	.0011243	881.78	0.000	.989148	.9936668
imm4_adj	-.0004324	.0007288	-0.59	0.556	-.0018969	.0010321

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.0e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 7.8e+05
Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50 Number of obs = 43043
F(3, 49) = 2.9e+05
Prob > F = 0.0000
Total (centered) SS = 28884.07472 Centered R2 = 0.9875
Total (uncentered) SS = 28884.07472 Uncentered R2 = 0.9875
Residual SS = 361.2943419 Root MSE = .09172

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0013054	.0014344	0.91	0.367	-.0015772	.004188
imm3_adj	.0000849	.0007412	0.11	0.909	-.0014047	.0015744
imm4_adj	.9902624	.0014341	690.53	0.000	.9873805	.9931442

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 2.9e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 4.8e+05
Prob > F = 0.0000

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(3, 49)	P-val	AP Chi-sq(1)	P-val	AP F(1, 49)	
mm1_adj	3.6e+05	0.0000	9.3e+05	0.0000	9.1e+05	
mm3_adj	3.0e+05	0.0000	7.9e+05	0.0000	7.8e+05	
mm4_adj	2.9e+05	0.0000	4.9e+05	0.0000	4.8e+05	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias 13.91
10% maximal IV size 16.38
15% maximal IV size 8.96
20% maximal IV size 6.66
25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=8.94 P-val=0.0028

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 5.5e+05
 Kleibergen-Paap Wald rk F statistic 3.2e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(3,49)= 0.08 P-val=0.9717
 Anderson-Rubin Wald test Chi-sq(3)= 0.24 P-val=0.9711
 Stock-Wright LM S statistic Chi-sq(3)= 0.23 P-val=0.9733

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 50
 Number of observations N = 43043
 Number of regressors K = 3
 Number of endogenous regressors K1 = 3
 Number of instruments L = 3
 Number of excluded instruments L1 = 3
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	0.08
		Prob > F =	0.9717
Total (centered) SS =	2755.088407	Centered R2 =	0.0000
Total (uncentered) SS =	2755.088407	Uncentered R2 =	0.0000
Residual SS =	2755.038711	Root MSE =	.253

twproll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj	-.0002514	.0044101	-0.06	0.955	-.0088951	.0083923
mm3_adj	.0005015	.0023081	0.22	0.828	-.0040223	.0050252
mm4_adj	.0006138	.002079	0.30	0.768	-.0034609	.0046886

Underidentification test (Kleibergen-Paap rk LM statistic): 8.937
 Chi-sq(1) P-val = 0.0028

Weak identification test (Cragg-Donald Wald F statistic): 5.5e+05
 (Kleibergen-Paap rk Wald F statistic): 3.2e+05
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm1_adj mm3_adj mm4_adj
 Included instruments:

Excluded instruments: imm1_adj imm3_adj imm4_adj
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
 tsd_unemp_mean tsd_unemp_cng pial pia_miss imel ime_miss
 _cons
 nb: small-sample adjustments account for
 partialled-out variables
 Dropped collinear: st_ND st_NY

(1) - mm1_adj - mm3_adj - mm4_adj = 0

twproll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0008638	.0024228	-0.36	0.721	-.0056123	.0038847

(1) mm1_adj + mm3_adj + mm4_adj = .0008638

twproll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	1.44e-17	.0024228	0.00	1.000	-.0047485	.0047485

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.00
 Prob > chi2 = 0.9541

(1) mm1_adj = 0
 (2) mm3_adj = 0
 (3) mm4_adj = 0

chi2(3) = 0.24
 Prob > chi2 = 0.9711

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.13
 Prob > chi2 = 0.7214

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NONY_unemp.xls
 dir : seeout

Phase 1 NO NY dependent variable: twproll36, unemployment: unemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	3.6e+05
		Prob > F =	0.0000
Total (centered) SS =	11578.11841	Centered R2 =	0.9796
Total (uncentered) SS =	11578.11841	Uncentered R2 =	0.9796
Residual SS =	235.7908144	Root MSE =	.0741

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9977231	.0010482	951.83	0.000	.9956167	.9998296
imm3_adj	-.0021164	.000309	-6.85	0.000	-.0027373	-.0014956
imm4_adj	-.0028902	.0005007	-5.77	0.000	-.0038963	-.0018841

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.6e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 9.1e+05
 Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	3.0e+05
		Prob > F =	0.0000
Total (centered) SS =	21519.82925	Centered R2 =	0.9846
Total (uncentered) SS =	21519.82925	Uncentered R2 =	0.9846
Residual SS =	331.2298858	Root MSE =	.08783

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0004038	.0015092	-0.27	0.790	-.0034365	.002629
imm3_adj	.9914074	.0011243	881.78	0.000	.989148	.9936668
imm4_adj	-.0004324	.0007288	-0.59	0.556	-.0018969	.0010321

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.0e+05

Prob > F = 0.0000
 Angrist-Pischke multivariate F test of excluded instruments:
 F(1, 49) = 7.8e+05
 Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	2.9e+05
		Prob > F =	0.0000
Total (centered) SS	= 28884.07472	Centered R2 =	0.9875
Total (uncentered) SS	= 28884.07472	Uncentered R2 =	0.9875
Residual SS	= 361.2943419	Root MSE =	.09172

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0013054	.0014344	0.91	0.367	-.0015772	.004188
imm3_adj	.0000849	.0007412	0.11	0.909	-.0014047	.0015744
imm4_adj	.9902624	.0014341	690.53	0.000	.9873805	.9931442

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:
 F(3, 49) = 2.9e+05
 Prob > F = 0.0000
 Angrist-Pischke multivariate F test of excluded instruments:
 F(1, 49) = 4.8e+05
 Prob > F = 0.0000

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(3, 49)	P-val	AP Chi-sq(1)	P-val	AP F(1, 49)	
mm1_adj	3.6e+05	0.0000	9.3e+05	0.0000	9.1e+05	
mm3_adj	3.0e+05	0.0000	7.9e+05	0.0000	7.8e+05	
mm4_adj	2.9e+05	0.0000	4.9e+05	0.0000	4.8e+05	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 13.91
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=8.94 P-val=0.0028

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 5.5e+05
 Kleibergen-Paap Wald rk F statistic 3.2e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(3,49)= 0.16 P-val=0.9218
 Anderson-Rubin Wald test Chi-sq(3)= 0.50 P-val=0.9199
 Stock-Wright LM S statistic Chi-sq(3)= 0.40 P-val=0.9394

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 50
 Number of observations N = 43043
 Number of regressors K = 3
 Number of endogenous regressors K1 = 3
 Number of instruments L = 3
 Number of excluded instruments L1 = 3
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50 Number of obs = 43043
 F(3, 49) = 0.16
 Prob > F = 0.9218
 Total (centered) SS = 3526.097455 Centered R2 = 0.0000
 Total (uncentered) SS = 3526.097455 Uncentered R2 = 0.0000
 Residual SS = 3526.061946 Root MSE = .2862

twproll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj	.0005946	.0059015	0.10	0.920	-.0109721	.0121614
mm3_adj	-.0010234	.0032165	-0.32	0.750	-.0073276	.0052808
mm4_adj	.0008971	.0024232	0.37	0.711	-.0038524	.0056465

Underidentification test (Kleibergen-Paap rk LM statistic): 8.937
 Chi-sq(1) P-val = 0.0028

Weak identification test (Cragg-Donald Wald F statistic): 5.5e+05
 (Kleibergen-Paap rk Wald F statistic): 3.2e+05
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm1_adj mm3_adj mm4_adj
 Included instruments:
 Excluded instruments: imm1_adj imm3_adj imm4_adj
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis tsd_edu_hs

```

tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
tsd_unemp_mean tsd_unemp_cng pial pia_miss imel ime_miss
_cons
nb: small-sample adjustments account for
    partialled-out variables

```

Dropped collinear: st_ND st_NY

(1) - mm1_adj - mm3_adj - mm4_adj = 0

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0004683	.0028214	-0.17	0.868	-.0059981 .0050614

(1) mm1_adj + mm3_adj + mm4_adj = .0004683

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-4.45e-18	.0028214	-0.00	1.000	-.0055297 .0055297

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.19
 Prob > chi2 = 0.6592

(1) mm1_adj = 0
 (2) mm3_adj = 0
 (3) mm4_adj = 0

chi2(3) = 0.50
 Prob > chi2 = 0.9199

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.03
 Prob > chi2 = 0.8682

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NONY_unemp.xls
 dir : seeout

Phase 1 NO NY dependent variable: twproll48, unemployment: unemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	3.6e+05
		Prob > F =	0.0000
Total (centered) SS =	11578.11841	Centered R2 =	0.9796
Total (uncentered) SS =	11578.11841	Uncentered R2 =	0.9796
Residual SS =	235.7908144	Root MSE =	.0741

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9977231	.0010482	951.83	0.000	.9956167	.9998296
imm3_adj	-.0021164	.000309	-6.85	0.000	-.0027373	-.0014956
imm4_adj	-.0028902	.0005007	-5.77	0.000	-.0038963	-.0018841

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.6e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 9.1e+05
Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	3.0e+05
		Prob > F =	0.0000
Total (centered) SS =	21519.82925	Centered R2 =	0.9846
Total (uncentered) SS =	21519.82925	Uncentered R2 =	0.9846
Residual SS =	331.2298858	Root MSE =	.08783

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0004038	.0015092	-0.27	0.790	-.0034365	.002629
imm3_adj	.9914074	.0011243	881.78	0.000	.989148	.9936668
imm4_adj	-.0004324	.0007288	-0.59	0.556	-.0018969	.0010321

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.0e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 7.8e+05

Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	2.9e+05
		Prob > F =	0.0000
Total (centered) SS =	28884.07472	Centered R2 =	0.9875
Total (uncentered) SS =	28884.07472	Uncentered R2 =	0.9875
Residual SS =	361.2943419	Root MSE =	.09172

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0013054	.0014344	0.91	0.367	-.0015772	.004188
imm3_adj	.0000849	.0007412	0.11	0.909	-.0014047	.0015744
imm4_adj	.9902624	.0014341	690.53	0.000	.9873805	.9931442

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 2.9e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 4.8e+05
Prob > F = 0.0000

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(3, 49)	P-val	AP Chi-sq(1)	P-val	AP F(1, 49)	
mm1_adj	3.6e+05	0.0000	9.3e+05	0.0000	9.1e+05	
mm3_adj	3.0e+05	0.0000	7.9e+05	0.0000	7.8e+05	
mm4_adj	2.9e+05	0.0000	4.9e+05	0.0000	4.8e+05	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=8.94 P-val=0.0028

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 5.5e+05
 Kleibergen-Paap Wald rk F statistic 3.2e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(3,49)= 0.04 P-val=0.9879
 Anderson-Rubin Wald test Chi-sq(3)= 0.13 P-val=0.9877
 Stock-Wright LM S statistic Chi-sq(3)= 0.14 P-val=0.9865

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 50
 Number of observations N = 43043
 Number of regressors K = 3
 Number of endogenous regressors K1 = 3
 Number of instruments L = 3
 Number of excluded instruments L1 = 3
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50 Number of obs = 43043
 F(3, 49) = 0.04
 Prob > F = 0.9879
 Total (centered) SS = 4094.009003 Centered R2 = -0.0000
 Total (uncentered) SS = 4094.009003 Uncentered R2 = -0.0000
 Residual SS = 4094.018777 Root MSE = .3084

twproll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj	-.0023364	.0067116	-0.35	0.728	-.0154909	.0108181
mm3_adj	.0009339	.0032232	0.29	0.772	-.0053835	.0072514
mm4_adj	.0007687	.0035745	0.22	0.830	-.0062372	.0077745

Underidentification test (Kleibergen-Paap rk LM statistic): 8.937
 Chi-sq(1) P-val = 0.0028

Weak identification test (Cragg-Donald Wald F statistic): 5.5e+05
 (Kleibergen-Paap rk Wald F statistic): 3.2e+05
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm1_adj mm3_adj mm4_adj
 Included instruments:
 Excluded instruments: imm1_adj imm3_adj imm4_adj
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss

pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
 tsd_unemp_mean tsd_unemp_cng pial pia_miss imel ime_miss
 _cons
 nb: small-sample adjustments account for
 partialled-out variables

Dropped collinear: st_ND st_NY

(1) - mm1_adj - mm3_adj - mm4_adj = 0

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0006338	.0034813	0.18	0.856	-.0061894	.007457

(1) mm1_adj + mm3_adj + mm4_adj = -.0006338

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	1.08e-17	.0034813	0.00	1.000	-.0068232	.0068232

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.09
 Prob > chi2 = 0.7643

- (1) mm1_adj = 0
- (2) mm3_adj = 0
- (3) mm4_adj = 0

chi2(3) = 0.13
 Prob > chi2 = 0.9877

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.03
 Prob > chi2 = 0.8555

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NONY_unemp.xls
 dir : seeout

Phase 1 NO NY dependent variable: srvroll12, unemployment: unemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mm1_adj:

Stock-Yogo weak ID test critical values for K1=3 and L1=3:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(3,49)=	0.73	P-val=0.5383
Anderson-Rubin Wald test	Chi-sq(3)=	2.24	P-val=0.5234
Stock-Wright LM S statistic	Chi-sq(3)=	2.10	P-val=0.5510

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	50
Number of observations	N =	43043
Number of regressors	K =	3
Number of endogenous regressors	K1 =	3
Number of instruments	L =	3
Number of excluded instruments	L1 =	3
Number of partialled-out regressors/IVs	=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	0.73
		Prob > F =	0.5382
Total (centered) SS =	1074.129533	Centered R2 =	0.0001
Total (uncentered) SS =	1074.129533	Uncentered R2 =	0.0001
Residual SS =	1074.041353	Root MSE =	.158

srvroll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj	-.0008585	.0016602	-0.52	0.605	-.0041125	.0023954
mm3_adj	.0017923	.0015826	1.13	0.257	-.0013097	.0048942
mm4_adj	.0001059	.0009794	0.11	0.914	-.0018137	.0020255

Underidentification test (Kleibergen-Paap rk LM statistic): 8.937
 Chi-sq(1) P-val = 0.0028

Weak identification test (Cragg-Donald Wald F statistic): 5.5e+05
 (Kleibergen-Paap rk Wald F statistic): 3.2e+05

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm1_adj mm3_adj mm4_adj
 Included instruments:
 Excluded instruments: imm1_adj imm3_adj imm4_adj
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag

twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
 tsd_unemp_mean tsd_unemp_cng pial pia_miss imel ime_miss
 _cons

nb: small-sample adjustments account for
 partialled-out variables

Dropped collinear: st_ND st_NY

(1) - mm1_adj - mm3_adj - mm4_adj = 0

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0010397	.0013635	-0.76	0.446	-.0037121 .0016327

(1) mm1_adj + mm3_adj + mm4_adj = .0010397

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	4.81e-17	.0013635	0.00	1.000	-.0026724 .0026724

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.87
 Prob > chi2 = 0.3511

(1) mm1_adj = 0
 (2) mm3_adj = 0
 (3) mm4_adj = 0

chi2(3) = 2.24
 Prob > chi2 = 0.5232

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.58
 Prob > chi2 = 0.4458

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NONY_unemp.xls
 dir : seeout

Phase 1 NO NY dependent variable: srvroll24, unemployment: unemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(3,49)= 0.15 P-val=0.9293
 Anderson-Rubin Wald test Chi-sq(3)= 0.46 P-val=0.9276
 Stock-Wright LM S statistic Chi-sq(3)= 0.44 P-val=0.9316

NB: Underidentification, weak identification and weak-identification-robust
 test statistics cluster-robust

Number of clusters N_clust = 50
 Number of observations N = 43043
 Number of regressors K = 3
 Number of endogenous regressors K1 = 3
 Number of instruments L = 3
 Number of excluded instruments L1 = 3
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50 Number of obs = 43043
 F(3, 49) = 0.15
 Prob > F = 0.9292
 Total (centered) SS = 1372.248371 Centered R2 = 0.0000
 Total (uncentered) SS = 1372.248371 Uncentered R2 = 0.0000
 Residual SS = 1372.208107 Root MSE = .1785

srvroll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj	.0000564	.0029055	0.02	0.985	-.0056384	.0057511
mm3_adj	.0010147	.0025036	0.41	0.685	-.0038923	.0059218
mm4_adj	-.0001978	.0012814	-0.15	0.877	-.0027093	.0023138

Underidentification test (Kleibergen-Paap rk LM statistic): 8.937
 Chi-sq(1) P-val = 0.0028

Weak identification test (Cragg-Donald Wald F statistic): 5.5e+05
 (Kleibergen-Paap rk Wald F statistic): 3.2e+05
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

 Instrumented: mm1_adj mm3_adj mm4_adj
 Included instruments:
 Excluded instruments: imm1_adj imm3_adj imm4_adj
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN

```

st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
tsd_unemp_mean tsd_unemp_cng pial pia_miss imel ime_miss
_cons
nb: small-sample adjustments account for
    partialled-out variables
Dropped collinear:  st_ND st_NY

```

```

-----
( 1) - mm1_adj - mm3_adj - mm4_adj = 0

```

srvroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0008733	.0016933	-0.52	0.606	-.0041921 .0024454

```

( 1) mm1_adj + mm3_adj + mm4_adj = .0008733

```

srvroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	1.82e-17	.0016933	0.00	1.000	-.0033187 .0033187

```

( 1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

```

```

      chi2( 1) =    0.10
Prob > chi2 =    0.7505

```

```

( 1) mm1_adj = 0
( 2) mm3_adj = 0
( 3) mm4_adj = 0

```

```

      chi2( 3) =    0.46
Prob > chi2 =    0.9276

```

```

( 1) mm1_adj + mm3_adj + mm4_adj = 0

```

```

      chi2( 1) =    0.27
Prob > chi2 =    0.6060

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PHLNONY_unemp.xls
dir : seeout

```

```

***Phase 1 NO NY*** dependent variable: srvroll36, unemployment: unemp
Warning - collinearities detected
Vars dropped:      st_ND st_NY

```

```

First-stage regressions
-----

```

```

First-stage regression of mm1_adj:

```

```

OLS estimation
-----

```

```

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) = 50 Number of obs = 43043
 F(3, 49) = 3.6e+05
 Prob > F = 0.0000
 Total (centered) SS = 11578.11841 Centered R2 = 0.9796
 Total (uncentered) SS = 11578.11841 Uncentered R2 = 0.9796
 Residual SS = 235.7908144 Root MSE = .0741

```
-----
```

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9977231	.0010482	951.83	0.000	.9956167	.9998296
imm3_adj	-.0021164	.000309	-6.85	0.000	-.0027373	-.0014956
imm4_adj	-.0028902	.0005007	-5.77	0.000	-.0038963	-.0018841

```
-----
```

Included instruments: imm1_adj imm3_adj imm4_adj

```
-----
```

F test of excluded instruments:
 F(3, 49) = 3.6e+05
 Prob > F = 0.0000
 Angrist-Pischke multivariate F test of excluded instruments:
 F(1, 49) = 9.1e+05
 Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50 Number of obs = 43043
 F(3, 49) = 3.0e+05
 Prob > F = 0.0000
 Total (centered) SS = 21519.82925 Centered R2 = 0.9846
 Total (uncentered) SS = 21519.82925 Uncentered R2 = 0.9846
 Residual SS = 331.2298858 Root MSE = .08783

```
-----
```

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0004038	.0015092	-0.27	0.790	-.0034365	.002629
imm3_adj	.9914074	.0011243	881.78	0.000	.989148	.9936668
imm4_adj	-.0004324	.0007288	-0.59	0.556	-.0018969	.0010321

```
-----
```

Included instruments: imm1_adj imm3_adj imm4_adj

```
-----
```

F test of excluded instruments:
 F(3, 49) = 3.0e+05
 Prob > F = 0.0000
 Angrist-Pischke multivariate F test of excluded instruments:
 F(1, 49) = 7.8e+05
 Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state


```

tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1 ime_miss
_cons
nb: small-sample adjustments account for
partialled-out variables
Dropped collinear: st_ND st_NY
-----

```

(1) - mm1_adj - mm3_adj - mm4_adj = 0

srvroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0032726	.0018666	-1.75	0.080	-.006931 .0003858

(1) mm1_adj + mm3_adj + mm4_adj = .0032726

srvroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	1.56e-17	.0018666	0.00	1.000	-.0036584 .0036584

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

```

chi2( 1) = 0.13
Prob > chi2 = 0.7229

```

```

( 1) mm1_adj = 0
( 2) mm3_adj = 0
( 3) mm4_adj = 0

```

```

chi2( 3) = 3.72
Prob > chi2 = 0.2939

```

(1) mm1_adj + mm3_adj + mm4_adj = 0

```

chi2( 1) = 3.07
Prob > chi2 = 0.0796

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH1NONY_unemp.xls
dir : seeout

```

```

***Phase 1 NO NY*** dependent variable: srvroll48, unemployment: unemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

```

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

```

-----
Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

```

```

Number of clusters (tsd_state) = 50
Number of obs = 43043
F( 3, 49) = 3.6e+05
Prob > F = 0.0000

```

Total (centered) SS = 11578.11841 Centered R2 = 0.9796
 Total (uncentered) SS = 11578.11841 Uncentered R2 = 0.9796
 Residual SS = 235.7908144 Root MSE = .0741

```
-----
```

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9977231	.0010482	951.83	0.000	.9956167	.9998296
imm3_adj	-.0021164	.000309	-6.85	0.000	-.0027373	-.0014956
imm4_adj	-.0028902	.0005007	-5.77	0.000	-.0038963	-.0018841

```
-----
```

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.6e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 9.1e+05
 Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50

Number of obs = 43043

F(3, 49) = 3.0e+05

Prob > F = 0.0000

Total (centered) SS = 21519.82925

Centered R2 = 0.9846

Total (uncentered) SS = 21519.82925

Uncentered R2 = 0.9846

Residual SS = 331.2298858

Root MSE = .08783

```
-----
```

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0004038	.0015092	-0.27	0.790	-.0034365	.002629
imm3_adj	.9914074	.0011243	881.78	0.000	.989148	.9936668
imm4_adj	-.0004324	.0007288	-0.59	0.556	-.0018969	.0010321

```
-----
```

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.0e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 7.8e+05
 Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50

Number of obs = 43043

F(3, 49) = 2.9e+05

Total (centered) SS	=	28884.07472	Prob > F	=	0.0000
Total (uncentered) SS	=	28884.07472	Centered R2	=	0.9875
Residual SS	=	361.2943419	Uncentered R2	=	0.9875
			Root MSE	=	.09172

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0013054	.0014344	0.91	0.367	-.0015772	.004188
imm3_adj	.0000849	.0007412	0.11	0.909	-.0014047	.0015744
imm4_adj	.9902624	.0014341	690.53	0.000	.9873805	.9931442

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 2.9e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 4.8e+05
 Prob > F = 0.0000

Summary results for first-stage regressions

Variable	F(3, 49)		(Underid)		(Weak id)	
	P-val	AP Chi-sq(1)	P-val	AP F(1, 49)		
mm1_adj	3.6e+05	9.3e+05	0.0000	9.1e+05		
mm3_adj	3.0e+05	7.9e+05	0.0000	7.8e+05		
mm4_adj	2.9e+05	4.9e+05	0.0000	4.8e+05		

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=8.94 P-val=0.0028

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 5.5e+05

Kleibergen-Paap Wald rk F statistic 3.2e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,49)= 1.96 P-val=0.1316

Anderson-Rubin Wald test Chi-sq(3)= 6.03 P-val=0.1103

Stock-Wright LM S statistic Chi-sq(3)= 3.70 P-val=0.2956

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 50
Number of observations N = 43043
Number of regressors K = 3
Number of endogenous regressors K1 = 3
Number of instruments L = 3
Number of excluded instruments L1 = 3
Number of partialled-out regressors/IVs = 97
NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50 Number of obs = 43043
F(3, 49) = 1.97
Prob > F = 0.1313
Total (centered) SS = 1376.828965 Centered R2 = 0.0001
Total (uncentered) SS = 1376.828965 Uncentered R2 = 0.0001
Residual SS = 1376.675122 Root MSE = .1788

Table with 7 columns: variable, Coef., Robust Std. Err., z, P>|z|, [95% Conf. Interval]. Rows include srvroll48, mm1_adj, mm3_adj, mm4_adj.

Underidentification test (Kleibergen-Paap rk LM statistic): 8.937
Chi-sq(1) P-val = 0.0028

Weak identification test (Cragg-Donald Wald F statistic): 5.5e+05
(Kleibergen-Paap rk Wald F statistic): 3.2e+05
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm1_adj mm3_adj mm4_adj
Included instruments:
Excluded instruments: imm1_adj imm3_adj imm4_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss imel ime_miss _cons
nb: small-sample adjustments account for

partialled-out variables
Dropped collinear: st_ND st_NY

(1) - mm1_adj - mm3_adj - mm4_adj = 0

srvroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0020592	.0019848	-1.04	0.300	-.0059493	.0018309

(1) mm1_adj + mm3_adj + mm4_adj = .0020592

srvroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-2.82e-17	.0019848	-0.00	1.000	-.0038901	.0038901

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.23
Prob > chi2 = 0.6304

- (1) mm1_adj = 0
- (2) mm3_adj = 0
- (3) mm4_adj = 0

chi2(3) = 6.03
Prob > chi2 = 0.1100

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 1.08
Prob > chi2 = 0.2995

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH1NONY_unemp.xls
dir : seeout

Phase 1 NO NY dependent variable: nstw12, unemployment: unemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	3.6e+05
		Prob > F =	0.0000
Total (centered) SS =	11578.11841	Centered R2 =	0.9796
Total (uncentered) SS =	11578.11841	Uncentered R2 =	0.9796
Residual SS =	235.7908144	Root MSE =	.0741

```
-----
```

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9977231	.0010482	951.83	0.000	.9956167	.9998296
imm3_adj	-.0021164	.000309	-6.85	0.000	-.0027373	-.0014956
imm4_adj	-.0028902	.0005007	-5.77	0.000	-.0038963	-.0018841

```
-----
```

Included instruments: imm1_adj imm3_adj imm4_adj

```
-----
```

F test of excluded instruments:

F(3, 49) = 3.6e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 9.1e+05
 Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

```
-----
```

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	3.0e+05
		Prob > F =	0.0000
Total (centered) SS	= 21519.82925	Centered R2 =	0.9846
Total (uncentered) SS	= 21519.82925	Uncentered R2 =	0.9846
Residual SS	= 331.2298858	Root MSE =	.08783

```
-----
```

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0004038	.0015092	-0.27	0.790	-.0034365	.002629
imm3_adj	.9914074	.0011243	881.78	0.000	.989148	.9936668
imm4_adj	-.0004324	.0007288	-0.59	0.556	-.0018969	.0010321

```
-----
```

Included instruments: imm1_adj imm3_adj imm4_adj

```
-----
```

F test of excluded instruments:

F(3, 49) = 3.0e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 7.8e+05
 Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

```
-----
```

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	2.9e+05
		Prob > F =	0.0000
Total (centered) SS	= 28884.07472	Centered R2 =	0.9875
Total (uncentered) SS	= 28884.07472	Uncentered R2 =	0.9875

Residual SS = 361.2943419 Root MSE = .09172

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0013054	.0014344	0.91	0.367	-.0015772	.004188
imm3_adj	.0000849	.0007412	0.11	0.909	-.0014047	.0015744
imm4_adj	.9902624	.0014341	690.53	0.000	.9873805	.9931442

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 2.9e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 4.8e+05
 Prob > F = 0.0000

Summary results for first-stage regressions

Variable	F(3, 49)		(Underid)		(Weak id)	
	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 49)
mm1_adj	3.6e+05	0.0000	9.3e+05	0.0000		9.1e+05
mm3_adj	3.0e+05	0.0000	7.9e+05	0.0000		7.8e+05
mm4_adj	2.9e+05	0.0000	4.9e+05	0.0000		4.8e+05

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias 13.91
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=8.94 P-val=0.0028

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 5.5e+05

Kleibergen-Paap Wald rk F statistic 3.2e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,49)= 0.54 P-val=0.6561

Anderson-Rubin Wald test Chi-sq(3)= 1.66 P-val=0.6454

Stock-Wright LM S statistic Chi-sq(3)= 1.03 P-val=0.7939

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

```

Number of clusters          N_clust =      50
Number of observations      N =      43043
Number of regressors       K =      3
Number of endogenous regressors K1 =      3
Number of instruments       L =      3
Number of excluded instruments L1 =      3
Number of partialled-out regressors/IVs =      97
NB: K & L do not included partialled-out variables

```

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) =      50          Number of obs =      43043
                                                F( 3, 49) =      0.54
                                                Prob > F =      0.6563
Total (centered) SS = 54492.20338          Centered R2 =      0.0001
Total (uncentered) SS = 54492.20338       Uncentered R2 =      0.0001
Residual SS = 54488.25007                 Root MSE =      1.125

```

```

-----
          |          Robust
          |          Coef.   Std. Err.      z    P>|z|    [95% Conf. Interval]
-----+-----
mm1_adj | -0.0115172   .0185078   -0.62   0.534   -0.0477919   .0247574
mm3_adj |  .0180868   .0152805    1.18   0.237   -0.0118624   .048036
mm4_adj | -0.0036453   .0096935   -0.38   0.707   -0.0226442   .0153536
-----

```

```

Underidentification test (Kleibergen-Paap rk LM statistic):      8.937
Chi-sq(1) P-val =      0.0028
-----

```

```

Weak identification test (Cragg-Donald Wald F statistic):      5.5e+05
(Kleibergen-Paap rk Wald F statistic):      3.2e+05
Stock-Yogo weak ID test critical values:      <not available>
-----

```

```

Hansen J statistic (overidentification test of all instruments):      0.000
(equation exactly identified)
-----

```

```

Instrumented:      mm1_adj mm3_adj mm4_adj
Included instruments:
Excluded instruments: imm1_adj imm3_adj imm4_adj
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1 ime_miss
_cons
nb: small-sample adjustments account for
partialled-out variables
Dropped collinear: st_ND st_NY
-----

```

(1) - mm1_adj - mm3_adj - mm4_adj = 0

nstw12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0029243	.0106742	-0.27	0.784	-.0238452 .0179967

(1) mm1_adj + mm3_adj + mm4_adj = .0029243

nstw12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	1.26e-17	.0106742	0.00	1.000	-.020921 .020921

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 1.15
Prob > chi2 = 0.2835

(1) mm1_adj = 0
(2) mm3_adj = 0
(3) mm4_adj = 0

chi2(3) = 1.66
Prob > chi2 = 0.6457

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.08
Prob > chi2 = 0.7841

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH1NONY_unemp.xls
dir : seeout

Phase 1 NO NY dependent variable: nstw24, unemployment: unemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	3.6e+05
		Prob > F =	0.0000
Total (centered) SS =	11578.11841	Centered R2 =	0.9796
Total (uncentered) SS =	11578.11841	Uncentered R2 =	0.9796
Residual SS =	235.7908144	Root MSE =	.0741

| Robust

mm1_adj	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9977231	.0010482	951.83	0.000	.9956167	.9998296
imm3_adj	-.0021164	.000309	-6.85	0.000	-.0027373	-.0014956
imm4_adj	-.0028902	.0005007	-5.77	0.000	-.0038963	-.0018841

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.6e+05

Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 9.1e+05

Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50

Number of obs = 43043

F(3, 49) = 3.0e+05

Prob > F = 0.0000

Total (centered) SS = 21519.82925

Centered R2 = 0.9846

Total (uncentered) SS = 21519.82925

Uncentered R2 = 0.9846

Residual SS = 331.2298858

Root MSE = .08783

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0004038	.0015092	-0.27	0.790	-.0034365	.002629
imm3_adj	.9914074	.0011243	881.78	0.000	.989148	.9936668
imm4_adj	-.0004324	.0007288	-0.59	0.556	-.0018969	.0010321

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.0e+05

Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 7.8e+05

Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50

Number of obs = 43043

F(3, 49) = 2.9e+05

Prob > F = 0.0000

Total (centered) SS = 28884.07472

Centered R2 = 0.9875

Total (uncentered) SS = 28884.07472

Uncentered R2 = 0.9875

Residual SS = 361.2943419

Root MSE = .09172

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0013054	.0014344	0.91	0.367	-.0015772	.004188
imm3_adj	.0000849	.0007412	0.11	0.909	-.0014047	.0015744
imm4_adj	.9902624	.0014341	690.53	0.000	.9873805	.9931442

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 2.9e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 4.8e+05
 Prob > F = 0.0000

Summary results for first-stage regressions

Variable	F(3, 49)		P-val	(Underid)		(Weak id)	
	F	P-val		AP Chi-sq(1)	P-val	AP F(1, 49)	P-val
mm1_adj	3.6e+05	0.0000		9.3e+05	0.0000	9.1e+05	
mm3_adj	3.0e+05	0.0000		7.9e+05	0.0000	7.8e+05	
mm4_adj	2.9e+05	0.0000		4.9e+05	0.0000	4.8e+05	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=8.94 P-val=0.0028

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 5.5e+05

Kleibergen-Paap Wald rk F statistic 3.2e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,49)= 1.11 P-val=0.3556

Anderson-Rubin Wald test Chi-sq(3)= 3.39 P-val=0.3347

Stock-Wright LM S statistic Chi-sq(3)= 1.86 P-val=0.6025

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 50
 Number of observations N = 43043
 Number of regressors K = 3

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0113384	.0186958	-0.61	0.544	-.0479815	.0253047

(1) mml_adj + mm3_adj + mm4_adj = .0113384

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-3.47e-17	.0186958	-0.00	1.000	-.0366431	.0366431

(1) -.5*mml_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 1.51
 Prob > chi2 = 0.2194

(1) mml_adj = 0
 (2) mm3_adj = 0
 (3) mm4_adj = 0

chi2(3) = 3.39
 Prob > chi2 = 0.3352

(1) mml_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.37
 Prob > chi2 = 0.5442

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NONY_unemp.xls
 dir : seeout

Phase 1 NO NY dependent variable: nstw36, unemployment: unemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mml_adj:

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	3.6e+05
		Prob > F =	0.0000
Total (centered) SS =	11578.11841	Centered R2 =	0.9796
Total (uncentered) SS =	11578.11841	Uncentered R2 =	0.9796
Residual SS =	235.7908144	Root MSE =	.0741

mml_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9977231	.0010482	951.83	0.000	.9956167	.9998296

imm3_adj		-.0021164	.000309	-6.85	0.000	-.0027373	-.0014956
imm4_adj		-.0028902	.0005007	-5.77	0.000	-.0038963	-.0018841

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.6e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 9.1e+05
Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	3.0e+05
		Prob > F =	0.0000
Total (centered) SS	= 21519.82925	Centered R2 =	0.9846
Total (uncentered) SS	= 21519.82925	Uncentered R2 =	0.9846
Residual SS	= 331.2298858	Root MSE =	.08783

mm3_adj		Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
imm1_adj		-.0004038	.0015092	-0.27	0.790	-.0034365 .002629
imm3_adj		.9914074	.0011243	881.78	0.000	.989148 .9936668
imm4_adj		-.0004324	.0007288	-0.59	0.556	-.0018969 .0010321

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.0e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 7.8e+05
Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	2.9e+05
		Prob > F =	0.0000
Total (centered) SS	= 28884.07472	Centered R2 =	0.9875
Total (uncentered) SS	= 28884.07472	Uncentered R2 =	0.9875
Residual SS	= 361.2943419	Root MSE =	.09172

mm4_adj		Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]

(1) | -.0193102 .034826 -0.55 0.579 -.0875678 .0489475

(1) mml_adj + mm3_adj + mm4_adj = .0193102

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	2.08e-17	.034826	0.00	1.000	-.0682576 .0682576

(1) - .5*mml_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.46
 Prob > chi2 = 0.4986

(1) mml_adj = 0
 (2) mm3_adj = 0
 (3) mm4_adj = 0

chi2(3) = 2.71
 Prob > chi2 = 0.4386

(1) mml_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.31
 Prob > chi2 = 0.5793

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NONY_unemp.xls
 dir : seeout

Phase 1 NO NY dependent variable: nstw48, unemployment: unemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mml_adj:

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(3, 49) =	3.6e+05
		Prob > F =	0.0000
Total (centered) SS =	11578.11841	Centered R2 =	0.9796
Total (uncentered) SS =	11578.11841	Uncentered R2 =	0.9796
Residual SS =	235.7908144	Root MSE =	.0741

mml_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
imm1_adj	.9977231	.0010482	951.83	0.000	.9956167 .9998296
imm3_adj	-.0021164	.000309	-6.85	0.000	-.0027373 -.0014956
imm4_adj	-.0028902	.0005007	-5.77	0.000	-.0038963 -.0018841

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.6e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 9.1e+05
Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50 Number of obs = 43043
F(3, 49) = 3.0e+05
Prob > F = 0.0000
Total (centered) SS = 21519.82925 Centered R2 = 0.9846
Total (uncentered) SS = 21519.82925 Uncentered R2 = 0.9846
Residual SS = 331.2298858 Root MSE = .08783

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0004038	.0015092	-0.27	0.790	-.0034365	.002629
imm3_adj	.9914074	.0011243	881.78	0.000	.989148	.9936668
imm4_adj	-.0004324	.0007288	-0.59	0.556	-.0018969	.0010321

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 49) = 3.0e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 49) = 7.8e+05
Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50 Number of obs = 43043
F(3, 49) = 2.9e+05
Prob > F = 0.0000
Total (centered) SS = 28884.07472 Centered R2 = 0.9875
Total (uncentered) SS = 28884.07472 Uncentered R2 = 0.9875
Residual SS = 361.2943419 Root MSE = .09172

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.0013054	.0014344	0.91	0.367	-.0015772	.004188
imm3_adj	.0000849	.0007412	0.11	0.909	-.0014047	.0015744
imm4_adj	.9902624	.0014341	690.53	0.000	.9873805	.9931442

(1) mm1_adj + mm3_adj + mm4_adj = .0408703

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-4.16e-17	.0524688	-0.00	1.000	-.1028369 .1028369

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.11
 Prob > chi2 = 0.7364

(1) mm1_adj = 0
 (2) mm3_adj = 0
 (3) mm4_adj = 0

chi2(3) = 2.78
 Prob > chi2 = 0.4275

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.61
 Prob > chi2 = 0.4360

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NONY_unemp.xls
 dir : seeout

Phase 2 dependent variable: ldwroll12, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)	
	F(9, 51)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)
mm10_adj	707.56	0.0000		2283.62	0.0000		2236.60
mm12_adj	1463.51	0.0000		2215.04	0.0000		2169.43
mm13_adj	1198.28	0.0000		2265.85	0.0000		2219.19
mm14_adj	1282.32	0.0000		1936.68	0.0000		1896.80
mm15_adj	1507.06	0.0000		2505.03	0.0000		2453.44
mm16_adj	1304.63	0.0000		3386.43	0.0000		3316.69
mm17_adj	1002.18	0.0000		3714.15	0.0000		3637.67
mm18_adj	1217.43	0.0000		4012.44	0.0000		3929.82
mm19_adj	537.64	0.0000		3631.35	0.0000		3556.58

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=13.49 P-val=0.0002

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 21914.27
 Kleibergen-Paap Wald rk F statistic 61.36

Stock-Yogo weak ID test critical values for K1=9 and L1=9: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,51)= 1.04 P-val=0.4242
 Anderson-Rubin Wald test Chi-sq(9)= 9.53 P-val=0.3897
 Stock-Wright LM S statistic Chi-sq(9)= 5.39 P-val=0.7991

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 77128
 Number of regressors K = 9
 Number of endogenous regressors K1 = 9
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 99
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 77128
 F(9, 51) = 1.05
 Prob > F = 0.4120
 Total (centered) SS = 1206.169594 Centered R2 = 0.0001
 Total (uncentered) SS = 1206.169594 Uncentered R2 = 0.0001
 Residual SS = 1206.079087 Root MSE = .125

ldwroll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm10_adj	-.0009583	.0014362	-0.67	0.505	-.0037732	.0018565
mm12_adj	.0015001	.001474	1.02	0.309	-.0013889	.0043891
mm13_adj	.0016683	.0015577	1.07	0.284	-.0013847	.0047212
mm14_adj	-.0003663	.0016988	-0.22	0.829	-.0036959	.0029632
mm15_adj	-.0003972	.0013084	-0.30	0.761	-.0029615	.0021672
mm16_adj	.0007245	.0014835	0.49	0.625	-.0021832	.0036322
mm17_adj	.0001378	.0012317	0.11	0.911	-.0022762	.0025519
mm18_adj	.001445	.0015192	0.95	0.342	-.0015326	.0044226
mm19_adj	-.0013457	.0017486	-0.77	0.442	-.0047728	.0020815

Underidentification test (Kleibergen-Paap rk LM statistic): 13.495
 Chi-sq(1) P-val = 0.0002

Weak identification test (Cragg-Donald Wald F statistic): 2.2e+04
 (Kleibergen-Paap rk Wald F statistic): 61.358
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

```

-----
Instrumented:      mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
                  mm17_adj mm18_adj mm19_adj
Included instruments:
Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
                    imm16_adj imm17_adj imm18_adj imm19_adj
Partialled-out:    male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss imel
                  ime_miss _cons
                  nb: small-sample adjustments account for
                      partialled-out variables
-----

```

```

( 1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0

```

ldwroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0024082	.0029751	-0.81	0.418	-.0082393 .0034229

```

( 1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = .0024082

```

ldwroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-4.12e-17	.0029751	-0.00	1.000	-.0058311 .0058311

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

```

chi2( 7) = 9.40
Prob > chi2 = 0.2251

```

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0
- (6) mm16_adj = 0
- (7) mm17_adj = 0
- (8) mm18_adj = 0

(9) mm19_adj = 0

chi2(9) = 9.68
Prob > chi2 = 0.3766

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = 0

chi2(1) = 0.66
Prob > chi2 = 0.4183

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH2_unemp.xls
dir : seeout

Phase 2 dependent variable: ldwroll24, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)	
	F(9, 51)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)
mm10_adj	707.56	0.0000		2283.62	0.0000		2236.60
mm12_adj	1463.51	0.0000		2215.04	0.0000		2169.43
mm13_adj	1198.28	0.0000		2265.85	0.0000		2219.19
mm14_adj	1282.32	0.0000		1936.68	0.0000		1896.80
mm15_adj	1507.06	0.0000		2505.03	0.0000		2453.44
mm16_adj	1304.63	0.0000		3386.43	0.0000		3316.69
mm17_adj	1002.18	0.0000		3714.15	0.0000		3637.67
mm18_adj	1217.43	0.0000		4012.44	0.0000		3929.82
mm19_adj	537.64	0.0000		3631.35	0.0000		3556.58

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=13.49 P-val=0.0002

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 21914.27

Kleibergen-Paap Wald rk F statistic 61.36

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 0.89 P-val=0.5365

Anderson-Rubin Wald test Chi-sq(9)= 8.22 P-val=0.5118

Stock-Wright LM S statistic Chi-sq(9)= 5.32 P-val=0.8057

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

```

Number of clusters           N_clust =          52
Number of observations       N =        77128
Number of regressors        K =           9
Number of endogenous regressors K1 =          9
Number of instruments        L =           9
Number of excluded instruments L1 =          9
Number of partialled-out regressors/IVs =        99
NB: K & L do not included partialled-out variables

```

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) =          52          Number of obs =        77128
                                                F( 9,    51) =          0.90
                                                Prob > F      =          0.5317
Total (centered) SS          = 2273.732879          Centered R2    =          0.0000
Total (uncentered) SS        = 2273.732879          Uncentered R2  =          0.0000
Residual SS                  = 2273.68409          Root MSE      =          .1717

```

```

-----
          |               Robust
          |               Coef.   Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
ldwroll124 |
mm10_adj |   .0021297   .0021367   1.00  0.319   -.0020581   .0063175
mm12_adj |   .0002127   .0018747   0.11  0.910   -.0034617   .003887
mm13_adj |   .001684    .0017993   0.94  0.349   -.0018425   .0052105
mm14_adj |  -.0022343   .0023592  -0.95  0.344   -.0068583   .0023897
mm15_adj |  -.0016181   .0022485  -0.72  0.472   -.006025    .0027888
mm16_adj |  -.0005547   .0015591  -0.36  0.722   -.0036105   .0025011
mm17_adj |   .0005346   .0018292   0.29  0.770   -.0030506   .0041198
mm18_adj |   .0004316   .0016949   0.25  0.799   -.0028903   .0037535
mm19_adj |  -.0005755   .0028027  -0.21  0.837   -.0060687   .0049177
-----

```

```

Underidentification test (Kleibergen-Paap rk LM statistic):          13.495
Chi-sq(1) P-val =          0.0002
-----

```

```

Weak identification test (Cragg-Donald Wald F statistic):          2.2e+04
(Kleibergen-Paap rk Wald F statistic):          61.358
Stock-Yogo weak ID test critical values:          <not available>
-----

```

```

Hansen J statistic (overidentification test of all instruments):          0.000
(equation exactly identified)
-----

```

```

Instrumented:      mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
                  mm17_adj mm18_adj mm19_adj
Included instruments:
Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
                    imm16_adj imm17_adj imm18_adj imm19_adj
Partialled-out:    male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag

```

```

twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
( 1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0

```

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-9.92e-06	.0026298	-0.00	0.997	-.0051642 .0051443

```

( 1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = 9.92e-06

```

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	1.36e-18	.0026298	0.00	1.000	-.0051542 .0051542

- ```

(1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
(2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
(3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
(4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
(5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
(6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
(7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

```

```

chi2(7) = 8.21
Prob > chi2 = 0.3141

```

- ```

( 1) mm10_adj = 0
( 2) mm12_adj = 0
( 3) mm13_adj = 0
( 4) mm14_adj = 0
( 5) mm15_adj = 0
( 6) mm16_adj = 0
( 7) mm17_adj = 0
( 8) mm18_adj = 0
( 9) mm19_adj = 0

```

```

chi2( 9) = 8.28
Prob > chi2 = 0.5065

```

```

( 1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = 0

```

```

chi2( 1) = 0.00
Prob > chi2 = 0.9970

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH2_unemp.xls
dir : seeout

```

Phase 2 dependent variable: ldwroll36, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm10_adj	707.56	0.0000	2283.62	0.0000	2236.60	
mm12_adj	1463.51	0.0000	2215.04	0.0000	2169.43	
mm13_adj	1198.28	0.0000	2265.85	0.0000	2219.19	
mm14_adj	1282.32	0.0000	1936.68	0.0000	1896.80	
mm15_adj	1507.06	0.0000	2505.03	0.0000	2453.44	
mm16_adj	1304.63	0.0000	3386.43	0.0000	3316.69	
mm17_adj	1002.18	0.0000	3714.15	0.0000	3637.67	
mm18_adj	1217.43	0.0000	4012.44	0.0000	3929.82	
mm19_adj	537.64	0.0000	3631.35	0.0000	3556.58	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=13.49 P-val=0.0002

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 21914.27

Kleibergen-Paap Wald rk F statistic 61.36

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 1.06 P-val=0.4053

Anderson-Rubin Wald test Chi-sq(9)= 9.77 P-val=0.3694

Stock-Wright LM S statistic Chi-sq(9)= 5.78 P-val=0.7613

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 77128

Number of regressors K = 9

Number of endogenous regressors K1 = 9

Number of instruments L = 9

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

ldwroll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0005334	.0024603	-0.22	0.828	-.0053555	.0042888

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = .0005334

ldwroll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	1.57e-17	.0024603	0.00	1.000	-.0048221	.0048221

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 5.77
 Prob > chi2 = 0.5668

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0
- (6) mm16_adj = 0
- (7) mm17_adj = 0
- (8) mm18_adj = 0
- (9) mm19_adj = 0

chi2(9) = 9.72
 Prob > chi2 = 0.3737

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = 0

chi2(1) = 0.05
 Prob > chi2 = 0.8284

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_unemp.xls
 dir : seeout

Phase 2 dependent variable: ldwroll148, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm10_adj	707.56	0.0000	2283.62	0.0000	2236.60	
mm12_adj	1463.51	0.0000	2215.04	0.0000	2169.43	
mm13_adj	1198.28	0.0000	2265.85	0.0000	2219.19	
mm14_adj	1282.32	0.0000	1936.68	0.0000	1896.80	

ldwroll148	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
mm10_adj	.0025954	.0028516	0.91	0.363	-.0029936	.0081844
mm12_adj	.0000746	.003227	0.02	0.982	-.0062502	.0063994
mm13_adj	.0024883	.0026426	0.94	0.346	-.0026911	.0076677
mm14_adj	-.0006634	.0023983	-0.28	0.782	-.0053639	.0040371
mm15_adj	.0025662	.003084	0.83	0.405	-.0034783	.0086106
mm16_adj	-.0006918	.0026307	-0.26	0.793	-.0058478	.0044643
mm17_adj	-.0031376	.0031016	-1.01	0.312	-.0092166	.0029414
mm18_adj	.0017738	.0023847	0.74	0.457	-.0029002	.0064477
mm19_adj	-.0019093	.0035652	-0.54	0.592	-.008897	.0050783

Underidentification test (Kleibergen-Paap rk LM statistic): 13.495
Chi-sq(1) P-val = 0.0002

Weak identification test (Cragg-Donald Wald F statistic): 2.2e+04
(Kleibergen-Paap rk Wald F statistic): 61.358
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
mm17_adj mm18_adj mm19_adj

Included instruments:

Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
imm16_adj imm17_adj imm18_adj imm19_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0

ldwroll148	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0030962	.0030332	-1.02	0.307	-.0090412	.0028488

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = .0030962

ldwroll148	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	0	.0030332	0.00	1.000	-.005945	.005945

```

( 1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
( 2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
( 3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
( 4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
( 5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
( 6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
( 7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

```

```

      chi2( 7) =      4.97
Prob > chi2 =      0.6631

```

```

( 1) mm10_adj = 0
( 2) mm12_adj = 0
( 3) mm13_adj = 0
( 4) mm14_adj = 0
( 5) mm15_adj = 0
( 6) mm16_adj = 0
( 7) mm17_adj = 0
( 8) mm18_adj = 0
( 9) mm19_adj = 0

```

```

      chi2( 9) =      9.90
Prob > chi2 =      0.3586

```

```

( 1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = 0

```

```

      chi2( 1) =      1.04
Prob > chi2 =      0.3074

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH2_unemp.xls
dir : seeout

```

Phase 2 dependent variable: eperoll12, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 51)	P-val	AP Chi-sq(1)	P-val
mm10_adj	707.56	0.0000	2283.62	0.0000
mm12_adj	1463.51	0.0000	2215.04	0.0000
mm13_adj	1198.28	0.0000	2265.85	0.0000
mm14_adj	1282.32	0.0000	1936.68	0.0000
mm15_adj	1507.06	0.0000	2505.03	0.0000
mm16_adj	1304.63	0.0000	3386.43	0.0000
mm17_adj	1002.18	0.0000	3714.15	0.0000
mm18_adj	1217.43	0.0000	4012.44	0.0000
mm19_adj	537.64	0.0000	3631.35	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53


```
-----
Weak identification test (Cragg-Donald Wald F statistic):          2.2e+04
      (Kleibergen-Paap rk Wald F statistic):                    61.358
Stock-Yogo weak ID test critical values:                          <not available>
-----
```

```
Hansen J statistic (overidentification test of all instruments):    0.000
      (equation exactly identified)
```

```
-----
Instrumented:      mml10_adj mml12_adj mml13_adj mml14_adj mml15_adj mml16_adj
                  mml17_adj mml18_adj mml19_adj
Included instruments:
Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
                    imm16_adj imm17_adj imm18_adj imm19_adj
Partialled-out:    male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
                  ime_miss _cons
                  nb: small-sample adjustments account for
                      partialled-out variables
-----
```

```
( 1) - mml10_adj - mml12_adj - mml13_adj - mml14_adj - mml15_adj - mml16_adj - mml17_adj -
mml18_adj - mml19_adj = 0
```

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.00398	.0029561	1.35	0.178	-.0018138 .0097738

```
( 1) mml10_adj + mml12_adj + mml13_adj + mml14_adj + mml15_adj + mml16_adj + mml17_adj +
mml18_adj + mml19_adj = -.00398
```

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	4.34e-17	.0029561	0.00	1.000	-.0057938 .0057938

- (1) - .5*mml10_adj + 1.5*mml12_adj - mml13_adj = 0
- (2) - .5*mml10_adj + .5*mml12_adj + mml13_adj - mml14_adj = 0
- (3) - .5*mml10_adj + .5*mml12_adj + mml14_adj - mml15_adj = 0
- (4) - .5*mml10_adj + .5*mml12_adj + mml15_adj - mml16_adj = 0
- (5) - .5*mml10_adj + .5*mml12_adj + mml16_adj - mml17_adj = 0
- (6) - .5*mml10_adj + .5*mml12_adj + mml17_adj - mml18_adj = 0
- (7) - .5*mml10_adj + .5*mml12_adj + mml18_adj - mml19_adj = 0

```
chi2( 7) = 11.44
Prob > chi2 = 0.1204
```

```
( 1) mml10_adj = 0
```

(2) mm12_adj = 0
 (3) mm13_adj = 0
 (4) mm14_adj = 0
 (5) mm15_adj = 0
 (6) mm16_adj = 0
 (7) mm17_adj = 0
 (8) mm18_adj = 0
 (9) mm19_adj = 0

chi2(9) = 15.81
 Prob > chi2 = 0.0708

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
 mm18_adj + mm19_adj = 0

chi2(1) = 1.81
 Prob > chi2 = 0.1782

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_unemp.xls
 dir : seeout

Phase 2 dependent variable: eperoll24, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)	
	F(9, 51)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)
mm10_adj	707.56	0.0000		2283.62	0.0000		2236.60
mm12_adj	1463.51	0.0000		2215.04	0.0000		2169.43
mm13_adj	1198.28	0.0000		2265.85	0.0000		2219.19
mm14_adj	1282.32	0.0000		1936.68	0.0000		1896.80
mm15_adj	1507.06	0.0000		2505.03	0.0000		2453.44
mm16_adj	1304.63	0.0000		3386.43	0.0000		3316.69
mm17_adj	1002.18	0.0000		3714.15	0.0000		3637.67
mm18_adj	1217.43	0.0000		4012.44	0.0000		3929.82
mm19_adj	537.64	0.0000		3631.35	0.0000		3556.58

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=13.49 P-val=0.0002

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 21914.27

Kleibergen-Paap Wald rk F statistic 61.36

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 7.41 P-val=0.0000
Anderson-Rubin Wald test Chi-sq(9)= 68.11 P-val=0.0000
Stock-Wright LM S statistic Chi-sq(9)= 14.55 P-val=0.1042

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
Number of observations N = 77128
Number of regressors K = 9
Number of endogenous regressors K1 = 9
Number of instruments L = 9
Number of excluded instruments L1 = 9
Number of partialled-out regressors/IVs = 99

NB: K & L do not include partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 77128
F(9, 51) = 6.84
Prob > F = 0.0000
Total (centered) SS = 2905.176426 Centered R2 = 0.0001
Total (uncentered) SS = 2905.176426 Uncentered R2 = 0.0001
Residual SS = 2904.873359 Root MSE = .1941

eperoll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm10_adj	.0002993	.003116	0.10	0.923	-.0058081	.0064066
mm12_adj	-.000045	.0021728	-0.02	0.983	-.0043035	.0042135
mm13_adj	-.0026775	.0024582	-1.09	0.276	-.0074954	.0021404
mm14_adj	-.0052411	.0027385	-1.91	0.056	-.0106084	.0001263
mm15_adj	.0030411	.0016412	1.85	0.064	-.0001757	.0062579
mm16_adj	-.0033999	.0015373	-2.21	0.027	-.0064128	-.0003869
mm17_adj	.0013777	.0020921	0.66	0.510	-.0027228	.0054781
mm18_adj	-.0010283	.0021893	-0.47	0.639	-.0053193	.0032627
mm19_adj	.0034189	.0029862	1.14	0.252	-.002434	.0092718

Underidentification test (Kleibergen-Paap rk LM statistic): 13.495
Chi-sq(1) P-val = 0.0002

Weak identification test (Cragg-Donald Wald F statistic): 2.2e+04
(Kleibergen-Paap rk Wald F statistic): 61.358

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
mm17_adj mm18_adj mm19_adj
Included instruments:
Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
imm16_adj imm17_adj imm18_adj imm19_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a

race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj - mm18_adj - mm19_adj = 0

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0042548	.0026753	1.59	0.112	-.0009886 .0094983

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = -.0042548

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	2.95e-17	.0026753	0.00	1.000	-.0052434 .0052434

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
 (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
 (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
 (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
 (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
 (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
 (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 36.81
 Prob > chi2 = 0.0000

- (1) mm10_adj = 0
 (2) mm12_adj = 0
 (3) mm13_adj = 0
 (4) mm14_adj = 0
 (5) mm15_adj = 0
 (6) mm16_adj = 0
 (7) mm17_adj = 0
 (8) mm18_adj = 0
 (9) mm19_adj = 0

chi2(9) = 62.89
 Prob > chi2 = 0.0000

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = 0

chi2(1) = 2.53
 Prob > chi2 = 0.1117

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_unemp.xls
 dir : seeout

Phase 2 dependent variable: eperoll36, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)	
	F(9, 51)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)
mm10_adj	707.56	0.0000		2283.62	0.0000		2236.60
mm12_adj	1463.51	0.0000		2215.04	0.0000		2169.43
mm13_adj	1198.28	0.0000		2265.85	0.0000		2219.19
mm14_adj	1282.32	0.0000		1936.68	0.0000		1896.80
mm15_adj	1507.06	0.0000		2505.03	0.0000		2453.44
mm16_adj	1304.63	0.0000		3386.43	0.0000		3316.69
mm17_adj	1002.18	0.0000		3714.15	0.0000		3637.67
mm18_adj	1217.43	0.0000		4012.44	0.0000		3929.82
mm19_adj	537.64	0.0000		3631.35	0.0000		3556.58

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=13.49 P-val=0.0002

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 21914.27

Kleibergen-Paap Wald rk F statistic 61.36

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 4.65 P-val=0.0002

Anderson-Rubin Wald test Chi-sq(9)= 42.69 P-val=0.0000

Stock-Wright LM S statistic Chi-sq(9)= 12.71 P-val=0.1762

NB: Underidentification, weak identification and weak-identification-robust
 test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 77128

Number of regressors K = 9

ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
 mm18_adj - mm19_adj = 0

eperoll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0051487	.0028009	1.84	0.066	-.0003409 .0106384

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
 mm18_adj + mm19_adj = -.0051487

eperoll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-6.07e-18	.0028009	-0.00	1.000	-.0054896 .0054896

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 34.43
 Prob > chi2 = 0.0000

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0
- (6) mm16_adj = 0
- (7) mm17_adj = 0
- (8) mm18_adj = 0
- (9) mm19_adj = 0

chi2(9) = 40.31
 Prob > chi2 = 0.0000

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
 mm18_adj + mm19_adj = 0

chi2(1) = 3.38
 Prob > chi2 = 0.0660

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_unemp.xls
 dir : seeout

Phase 2 dependent variable: eperoll148, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm10_adj	707.56	0.0000	2283.62	0.0000	2236.60	
mm12_adj	1463.51	0.0000	2215.04	0.0000	2169.43	
mm13_adj	1198.28	0.0000	2265.85	0.0000	2219.19	
mm14_adj	1282.32	0.0000	1936.68	0.0000	1896.80	
mm15_adj	1507.06	0.0000	2505.03	0.0000	2453.44	
mm16_adj	1304.63	0.0000	3386.43	0.0000	3316.69	
mm17_adj	1002.18	0.0000	3714.15	0.0000	3637.67	
mm18_adj	1217.43	0.0000	4012.44	0.0000	3929.82	
mm19_adj	537.64	0.0000	3631.35	0.0000	3556.58	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=13.49 P-val=0.0002

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 21914.27

Kleibergen-Paap Wald rk F statistic 61.36

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 2.07 P-val=0.0499

Anderson-Rubin Wald test Chi-sq(9)= 19.03 P-val=0.0250

Stock-Wright LM S statistic Chi-sq(9)= 8.38 P-val=0.4966

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 77128

Number of regressors K = 9

Number of endogenous regressors K1 = 9

Number of instruments L = 9

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 77128

F(9, 51) = 2.03

Total (centered) SS	=	5072.987369	Prob > F	=	0.0551
Total (uncentered) SS	=	5072.987369	Centered R2	=	0.0001
Residual SS	=	5072.489386	Uncentered R2	=	0.0001
			Root MSE	=	.2565

eperoll148	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm10_adj	.0005069	.0043823	0.12	0.908	-.0080822	.009096
mm12_adj	.0023316	.0029426	0.79	0.428	-.0034358	.0080989
mm13_adj	-.0016945	.0037386	-0.45	0.650	-.009022	.005633
mm14_adj	-.0039216	.0022289	-1.76	0.079	-.0082902	.000447
mm15_adj	.0064768	.0028068	2.31	0.021	.0009755	.0119781
mm16_adj	-.000939	.0024213	-0.39	0.698	-.0056847	.0038068
mm17_adj	-.0018189	.0030742	-0.59	0.554	-.0078442	.0042064
mm18_adj	-.0019966	.0029829	-0.67	0.503	-.007843	.0038498
mm19_adj	.0016012	.0039733	0.40	0.687	-.0061863	.0093888

Underidentification test (Kleibergen-Paap rk LM statistic): 13.495
Chi-sq(1) P-val = 0.0002

Weak identification test (Cragg-Donald Wald F statistic): 2.2e+04
(Kleibergen-Paap rk Wald F statistic): 61.358
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
mm17_adj mm18_adj mm19_adj

Included instruments:

Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
imm16_adj imm17_adj imm18_adj imm19_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0

eperoll148	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.000546	.0034616	-0.16	0.875	-.0073306	.0062386

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = .000546

eperoll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-7.16e-18	.0034616	-0.00	1.000	-.0067846 .0067846

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 15.23
 Prob > chi2 = 0.0331

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0
- (6) mm16_adj = 0
- (7) mm17_adj = 0
- (8) mm18_adj = 0
- (9) mm19_adj = 0

chi2(9) = 18.62
 Prob > chi2 = 0.0286

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = 0

chi2(1) = 0.02
 Prob > chi2 = 0.8747

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_unemp.xls
 dir : seeout

Phase 2 dependent variable: twproll12, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm10_adj	707.56	0.0000	2283.62	0.0000	2236.60	
mm12_adj	1463.51	0.0000	2215.04	0.0000	2169.43	
mm13_adj	1198.28	0.0000	2265.85	0.0000	2219.19	
mm14_adj	1282.32	0.0000	1936.68	0.0000	1896.80	
mm15_adj	1507.06	0.0000	2505.03	0.0000	2453.44	
mm16_adj	1304.63	0.0000	3386.43	0.0000	3316.69	
mm17_adj	1002.18	0.0000	3714.15	0.0000	3637.67	
mm18_adj	1217.43	0.0000	4012.44	0.0000	3929.82	
mm19_adj	537.64	0.0000	3631.35	0.0000	3556.58	

NB: first-stage test statistics cluster-robust

mm16_adj		-.0027008	.0022924	-1.18	0.239	-.0071937	.0017922
mm17_adj		.0006933	.0027964	0.25	0.804	-.0047875	.0061741
mm18_adj		.0023341	.0021431	1.09	0.276	-.0018663	.0065345
mm19_adj		.0037371	.0026807	1.39	0.163	-.001517	.0089912

Underidentification test (Kleibergen-Paap rk LM statistic): 13.495
Chi-sq(1) P-val = 0.0002

Weak identification test (Cragg-Donald Wald F statistic): 2.2e+04
(Kleibergen-Paap rk Wald F statistic): 61.358
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
mm17_adj mm18_adj mm19_adj
Included instruments:
Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
imm16_adj imm17_adj imm18_adj imm19_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0

twproll12		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		.0024242	.0023644	1.03	0.305	-.00221 .0070584

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = -.0024242

twproll12		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		1.43e-17	.0023644	0.00	1.000	-.0046342 .0046342

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
(2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
(3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
(4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
(5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0

(6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
 (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 6.65
 Prob > chi2 = 0.4660

(1) mm10_adj = 0
 (2) mm12_adj = 0
 (3) mm13_adj = 0
 (4) mm14_adj = 0
 (5) mm15_adj = 0
 (6) mm16_adj = 0
 (7) mm17_adj = 0
 (8) mm18_adj = 0
 (9) mm19_adj = 0

chi2(9) = 7.29
 Prob > chi2 = 0.6073

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = 0

chi2(1) = 1.05
 Prob > chi2 = 0.3052

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_unemp.xls
 dir : seeout

Phase 2 dependent variable: twproll24, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)	
	F(9, 51)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)
mm10_adj	707.56	0.0000		2283.62	0.0000		2236.60
mm12_adj	1463.51	0.0000		2215.04	0.0000		2169.43
mm13_adj	1198.28	0.0000		2265.85	0.0000		2219.19
mm14_adj	1282.32	0.0000		1936.68	0.0000		1896.80
mm15_adj	1507.06	0.0000		2505.03	0.0000		2453.44
mm16_adj	1304.63	0.0000		3386.43	0.0000		3316.69
mm17_adj	1002.18	0.0000		3714.15	0.0000		3637.67
mm18_adj	1217.43	0.0000		4012.44	0.0000		3929.82
mm19_adj	537.64	0.0000		3631.35	0.0000		3556.58

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=13.49 P-val=0.0002

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 21914.27
 Kleibergen-Paap Wald rk F statistic 61.36

Stock-Yogo weak ID test critical values for K1=9 and L1=9: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,51)= 0.65 P-val=0.7529
 Anderson-Rubin Wald test Chi-sq(9)= 5.93 P-val=0.7468
 Stock-Wright LM S statistic Chi-sq(9)= 4.29 P-val=0.8913

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 77128
 Number of regressors K = 9
 Number of endogenous regressors K1 = 9
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 99
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 77128
 F(9, 51) = 0.66
 Prob > F = 0.7429
 Total (centered) SS = 4218.812595 Centered R2 = -0.0000
 Total (uncentered) SS = 4218.812595 Uncentered R2 = -0.0000
 Residual SS = 4218.827181 Root MSE = .2339

twproll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm10_adj	.0000242	.0019464	0.01	0.990	-.0037908	.0038391
mm12_adj	-.0011752	.001949	-0.60	0.547	-.0049952	.0026447
mm13_adj	-.0019038	.0027651	-0.69	0.491	-.0073233	.0035156
mm14_adj	-.004684	.0023995	-1.95	0.051	-.009387	.000019
mm15_adj	.0006023	.0032352	0.19	0.852	-.0057385	.0069432
mm16_adj	-.0010779	.0025188	-0.43	0.669	-.0060147	.0038588
mm17_adj	.0007439	.0032181	0.23	0.817	-.0055635	.0070512
mm18_adj	.0012163	.0023435	0.52	0.604	-.0033769	.0058095
mm19_adj	.0040978	.0030982	1.32	0.186	-.0019746	.0101701

Underidentification test (Kleibergen-Paap rk LM statistic): 13.495
 Chi-sq(1) P-val = 0.0002

Weak identification test (Cragg-Donald Wald F statistic): 2.2e+04
 (Kleibergen-Paap rk Wald F statistic): 61.358
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

```

-----
Instrumented:      mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
                  mm17_adj mm18_adj mm19_adj
Included instruments:
Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
                    imm16_adj imm17_adj imm18_adj imm19_adj
Partialled-out:    male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss imel
                  ime_miss _cons
                  nb: small-sample adjustments account for
                      partialled-out variables
-----

```

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj - mm18_adj - mm19_adj = 0

twproll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0021566	.0031221	0.69	0.490	-.0039626 .0082758

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = -.0021566

twproll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	3.12e-17	.0031221	0.00	1.000	-.0061192 .0061192

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 4.22
 Prob > chi2 = 0.7543

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0
- (6) mm16_adj = 0
- (7) mm17_adj = 0
- (8) mm18_adj = 0

(9) mm19_adj = 0

chi2(9) = 6.04
Prob > chi2 = 0.7360

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = 0

chi2(1) = 0.48
Prob > chi2 = 0.4897

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH2_unemp.xls
dir : seeout

Phase 2 dependent variable: twproll36, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm10_adj	707.56	0.0000	2283.62	0.0000	2236.60	
mm12_adj	1463.51	0.0000	2215.04	0.0000	2169.43	
mm13_adj	1198.28	0.0000	2265.85	0.0000	2219.19	
mm14_adj	1282.32	0.0000	1936.68	0.0000	1896.80	
mm15_adj	1507.06	0.0000	2505.03	0.0000	2453.44	
mm16_adj	1304.63	0.0000	3386.43	0.0000	3316.69	
mm17_adj	1002.18	0.0000	3714.15	0.0000	3637.67	
mm18_adj	1217.43	0.0000	4012.44	0.0000	3929.82	
mm19_adj	537.64	0.0000	3631.35	0.0000	3556.58	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=13.49 P-val=0.0002

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 21914.27

Kleibergen-Paap Wald rk F statistic 61.36

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 0.77 P-val=0.6466

Anderson-Rubin Wald test Chi-sq(9)= 7.05 P-val=0.6318

Stock-Wright LM S statistic Chi-sq(9)= 5.97 P-val=0.7432


```

twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
( 1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0

```

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0022197	.0038498	0.58	0.564	-.0053257 .0097651

```

( 1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = -.0022197

```

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	4.29e-17	.0038498	0.00	1.000	-.0075454 .0075454

- ```

(1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
(2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
(3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
(4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
(5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
(6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
(7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

```

```

chi2(7) = 6.72
Prob > chi2 = 0.4582

```

- ```

( 1) mm10_adj = 0
( 2) mm12_adj = 0
( 3) mm13_adj = 0
( 4) mm14_adj = 0
( 5) mm15_adj = 0
( 6) mm16_adj = 0
( 7) mm17_adj = 0
( 8) mm18_adj = 0
( 9) mm19_adj = 0

```

```

chi2( 9) = 6.90
Prob > chi2 = 0.6476

```

```

( 1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = 0

```

```

chi2( 1) = 0.33
Prob > chi2 = 0.5642

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH2_unemp.xls
dir : seeout

```


Phase 2 dependent variable: twproll48, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm10_adj	707.56	0.0000	2283.62	0.0000	2236.60	
mm12_adj	1463.51	0.0000	2215.04	0.0000	2169.43	
mm13_adj	1198.28	0.0000	2265.85	0.0000	2219.19	
mm14_adj	1282.32	0.0000	1936.68	0.0000	1896.80	
mm15_adj	1507.06	0.0000	2505.03	0.0000	2453.44	
mm16_adj	1304.63	0.0000	3386.43	0.0000	3316.69	
mm17_adj	1002.18	0.0000	3714.15	0.0000	3637.67	
mm18_adj	1217.43	0.0000	4012.44	0.0000	3929.82	
mm19_adj	537.64	0.0000	3631.35	0.0000	3556.58	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=13.49 P-val=0.0002

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 21914.27

Kleibergen-Paap Wald rk F statistic 61.36

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 1.02 P-val=0.4354

Anderson-Rubin Wald test Chi-sq(9)= 9.39 P-val=0.4019

Stock-Wright LM S statistic Chi-sq(9)= 6.82 P-val=0.6558

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 77128

Number of regressors K = 9

Number of endogenous regressors K1 = 9

Number of instruments L = 9

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0025091	.0038786	0.65	0.518	-.0050928	.0101109

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = -.0025091

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	4.81e-17	.0038786	0.00	1.000	-.0076018	.0076018

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 8.49
 Prob > chi2 = 0.2913

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0
- (6) mm16_adj = 0
- (7) mm17_adj = 0
- (8) mm18_adj = 0
- (9) mm19_adj = 0

chi2(9) = 9.31
 Prob > chi2 = 0.4088

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = 0

chi2(1) = 0.42
 Prob > chi2 = 0.5177

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_unemp.xls
 dir : seeout

Phase 2 dependent variable: srvroll12, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm10_adj	707.56	0.0000	2283.62	0.0000	2236.60	
mm12_adj	1463.51	0.0000	2215.04	0.0000	2169.43	
mm13_adj	1198.28	0.0000	2265.85	0.0000	2219.19	
mm14_adj	1282.32	0.0000	1936.68	0.0000	1896.80	

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
mm10_adj	.003597	.0013715	2.62	0.009	.0009088	.0062852
mm12_adj	.003531	.0018037	1.96	0.050	-4.14e-06	.007066
mm13_adj	.0028859	.0019344	1.49	0.136	-.0009055	.0066772
mm14_adj	.0013999	.0018618	0.75	0.452	-.0022492	.0050489
mm15_adj	.0006771	.0014404	0.47	0.638	-.002146	.0035002
mm16_adj	-.0000672	.0014548	-0.05	0.963	-.0029185	.0027841
mm17_adj	-.0015778	.0013128	-1.20	0.229	-.0041508	.0009953
mm18_adj	-.0045395	.0016326	-2.78	0.005	-.0077392	-.0013397
mm19_adj	-.0024312	.0028733	-0.85	0.397	-.0080627	.0032003

Underidentification test (Kleibergen-Paap rk LM statistic): 13.495
Chi-sq(1) P-val = 0.0002

Weak identification test (Cragg-Donald Wald F statistic): 2.2e+04
(Kleibergen-Paap rk Wald F statistic): 61.358

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
mm17_adj mm18_adj mm19_adj

Included instruments:

Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
imm16_adj imm17_adj imm18_adj imm19_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0034752	.0028871	-1.20	0.229	-.0091337	.0021834

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = .0034752

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-1.39e-17	.0028871	-0.00	1.000	-.0056585	.0056585

```

( 1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
( 2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
( 3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
( 4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
( 5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
( 6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
( 7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

```

```

      chi2( 7) =      5.30
Prob > chi2 =      0.6232

```

```

( 1) mm10_adj = 0
( 2) mm12_adj = 0
( 3) mm13_adj = 0
( 4) mm14_adj = 0
( 5) mm15_adj = 0
( 6) mm16_adj = 0
( 7) mm17_adj = 0
( 8) mm18_adj = 0
( 9) mm19_adj = 0

```

```

      chi2( 9) =     16.41
Prob > chi2 =      0.0588

```

```

( 1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = 0

```

```

      chi2( 1) =      1.45
Prob > chi2 =      0.2287

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH2_unemp.xls
dir : seeout

```

Phase 2 dependent variable: srvroll24, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 51)	P-val	AP Chi-sq(1)	P-val
mm10_adj	707.56	0.0000	2283.62	0.0000
mm12_adj	1463.51	0.0000	2215.04	0.0000
mm13_adj	1198.28	0.0000	2265.85	0.0000
mm14_adj	1282.32	0.0000	1936.68	0.0000
mm15_adj	1507.06	0.0000	2505.03	0.0000
mm16_adj	1304.63	0.0000	3386.43	0.0000
mm17_adj	1002.18	0.0000	3714.15	0.0000
mm18_adj	1217.43	0.0000	4012.44	0.0000
mm19_adj	537.64	0.0000	3631.35	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53


```
-----
Weak identification test (Cragg-Donald Wald F statistic):          2.2e+04
      (Kleibergen-Paap rk Wald F statistic):                    61.358
Stock-Yogo weak ID test critical values:                          <not available>
-----
```

```
Hansen J statistic (overidentification test of all instruments):    0.000
      (equation exactly identified)
```

```
-----
Instrumented:      mml10_adj mml12_adj mml13_adj mml14_adj mml15_adj mml16_adj
                  mml17_adj mml18_adj mml19_adj
Included instruments:
Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
                    imm16_adj imm17_adj imm18_adj imm19_adj
Partialled-out:    male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
                  ime_miss _cons
                  nb: small-sample adjustments account for
                      partialled-out variables
-----
```

```
( 1) - mml10_adj - mml12_adj - mml13_adj - mml14_adj - mml15_adj - mml16_adj - mml17_adj -
mml18_adj - mml19_adj = 0
```

srvroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0043795	.0027747	-1.58	0.114	-.0098178 .0010588

```
( 1) mml10_adj + mml12_adj + mml13_adj + mml14_adj + mml15_adj + mml16_adj + mml17_adj +
mml18_adj + mml19_adj = .0043795
```

srvroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-4.86e-17	.0027747	-0.00	1.000	-.0054383 .0054383

- (1) - .5*mml10_adj + 1.5*mml12_adj - mml13_adj = 0
- (2) - .5*mml10_adj + .5*mml12_adj + mml13_adj - mml14_adj = 0
- (3) - .5*mml10_adj + .5*mml12_adj + mml14_adj - mml15_adj = 0
- (4) - .5*mml10_adj + .5*mml12_adj + mml15_adj - mml16_adj = 0
- (5) - .5*mml10_adj + .5*mml12_adj + mml16_adj - mml17_adj = 0
- (6) - .5*mml10_adj + .5*mml12_adj + mml17_adj - mml18_adj = 0
- (7) - .5*mml10_adj + .5*mml12_adj + mml18_adj - mml19_adj = 0

```
chi2( 7) = 16.18
Prob > chi2 = 0.0236
```

```
( 1) mml10_adj = 0
```


(2) mm12_adj = 0
 (3) mm13_adj = 0
 (4) mm14_adj = 0
 (5) mm15_adj = 0
 (6) mm16_adj = 0
 (7) mm17_adj = 0
 (8) mm18_adj = 0
 (9) mm19_adj = 0

chi2(9) = 26.23
 Prob > chi2 = 0.0019

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
 mm18_adj + mm19_adj = 0

chi2(1) = 2.49
 Prob > chi2 = 0.1145

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_unemp.xls
 dir : seeout

Phase 2 dependent variable: srvroll36, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)	
	F(9, 51)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)
mm10_adj	707.56	0.0000		2283.62	0.0000		2236.60
mm12_adj	1463.51	0.0000		2215.04	0.0000		2169.43
mm13_adj	1198.28	0.0000		2265.85	0.0000		2219.19
mm14_adj	1282.32	0.0000		1936.68	0.0000		1896.80
mm15_adj	1507.06	0.0000		2505.03	0.0000		2453.44
mm16_adj	1304.63	0.0000		3386.43	0.0000		3316.69
mm17_adj	1002.18	0.0000		3714.15	0.0000		3637.67
mm18_adj	1217.43	0.0000		4012.44	0.0000		3929.82
mm19_adj	537.64	0.0000		3631.35	0.0000		3556.58

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=13.49 P-val=0.0002

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 21914.27

Kleibergen-Paap Wald rk F statistic 61.36

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 1.49 P-val=0.1755
Anderson-Rubin Wald test Chi-sq(9)= 13.73 P-val=0.1323
Stock-Wright LM S statistic Chi-sq(9)= 8.43 P-val=0.4918

NB: Underidentification, weak identification and weak-identification-robust
test statistics cluster-robust

Number of clusters N_clust = 52
Number of observations N = 77128
Number of regressors K = 9
Number of endogenous regressors K1 = 9
Number of instruments L = 9
Number of excluded instruments L1 = 9
Number of partialled-out regressors/IVs = 99

NB: K & L do not include partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 77128
F(9, 51) = 1.49
Prob > F = 0.1768
Total (centered) SS = 1826.181702 Centered R2 = 0.0002
Total (uncentered) SS = 1826.181702 Uncentered R2 = 0.0002
Residual SS = 1825.851227 Root MSE = .1539

srvroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm10_adj	.0015029	.0018699	0.80	0.422	-.002162	.0051678
mm12_adj	.0032719	.0019227	1.70	0.089	-.0004965	.0070403
mm13_adj	-.0010191	.001638	-0.62	0.534	-.0042295	.0021914
mm14_adj	.0002781	.0015922	0.17	0.861	-.0028425	.0033987
mm15_adj	.0012195	.0025363	0.48	0.631	-.0037515	.0061906
mm16_adj	.0004618	.0020111	0.23	0.818	-.0034798	.0044034
mm17_adj	.0002952	.0023554	0.13	0.900	-.0043214	.0049118
mm18_adj	-.0039953	.0014988	-2.67	0.008	-.0069328	-.0010577
mm19_adj	-.0001042	.0022143	-0.05	0.962	-.0044441	.0042356

Underidentification test (Kleibergen-Paap rk LM statistic): 13.495
Chi-sq(1) P-val = 0.0002

Weak identification test (Cragg-Donald Wald F statistic): 2.2e+04
(Kleibergen-Paap rk Wald F statistic): 61.358

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
mm17_adj mm18_adj mm19_adj
Included instruments:
Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
imm16_adj imm17_adj imm18_adj imm19_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a

race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj - mm18_adj - mm19_adj = 0

srvroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0019108	.0033261	-0.57	0.566	-.0084299 .0046083

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = .0019108

srvroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	4.19e-17	.0033261	0.00	1.000	-.0065191 .0065191

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
 (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
 (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
 (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
 (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
 (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
 (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 12.16
 Prob > chi2 = 0.0953

- (1) mm10_adj = 0
 (2) mm12_adj = 0
 (3) mm13_adj = 0
 (4) mm14_adj = 0
 (5) mm15_adj = 0
 (6) mm16_adj = 0
 (7) mm17_adj = 0
 (8) mm18_adj = 0
 (9) mm19_adj = 0

chi2(9) = 13.70
 Prob > chi2 = 0.1336

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = 0

chi2(1) = 0.33
 Prob > chi2 = 0.5656

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_unemp.xls
 dir : seeout

Phase 2 dependent variable: srvroll48, unemployment: unemp

Summary results for first-stage regressions

Variable	F(9, 51)	P-val	(Underid)		(Weak id)	
			AP Chi-sq(1)	P-val	AP F(1, 51)	
mm10_adj	707.56	0.0000	2283.62	0.0000	2236.60	
mm12_adj	1463.51	0.0000	2215.04	0.0000	2169.43	
mm13_adj	1198.28	0.0000	2265.85	0.0000	2219.19	
mm14_adj	1282.32	0.0000	1936.68	0.0000	1896.80	
mm15_adj	1507.06	0.0000	2505.03	0.0000	2453.44	
mm16_adj	1304.63	0.0000	3386.43	0.0000	3316.69	
mm17_adj	1002.18	0.0000	3714.15	0.0000	3637.67	
mm18_adj	1217.43	0.0000	4012.44	0.0000	3929.82	
mm19_adj	537.64	0.0000	3631.35	0.0000	3556.58	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=13.49 P-val=0.0002

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 21914.27

Kleibergen-Paap Wald rk F statistic 61.36

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 2.07 P-val=0.0494

Anderson-Rubin Wald test Chi-sq(9)= 19.07 P-val=0.0246

Stock-Wright LM S statistic Chi-sq(9)= 8.21 P-val=0.5131

NB: Underidentification, weak identification and weak-identification-robust
 test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	77128
Number of regressors	K =	9

ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
 mm18_adj - mm19_adj = 0

srvroll148	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0007508	.0032421	-0.23	0.817	-.0071052 .0056036

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
 mm18_adj + mm19_adj = .0007508

srvroll148	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-2.71e-17	.0032421	-0.00	1.000	-.0063544 .0063544

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 13.03
 Prob > chi2 = 0.0715

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0
- (6) mm16_adj = 0
- (7) mm17_adj = 0
- (8) mm18_adj = 0
- (9) mm19_adj = 0

chi2(9) = 19.57
 Prob > chi2 = 0.0207

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
 mm18_adj + mm19_adj = 0

chi2(1) = 0.05
 Prob > chi2 = 0.8169

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_unemp.xls
 dir : seeout

Phase 2 dependent variable: nstwl2, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm10_adj	707.56	0.0000	2283.62	0.0000	2236.60	
mm12_adj	1463.51	0.0000	2215.04	0.0000	2169.43	
mm13_adj	1198.28	0.0000	2265.85	0.0000	2219.19	
mm14_adj	1282.32	0.0000	1936.68	0.0000	1896.80	
mm15_adj	1507.06	0.0000	2505.03	0.0000	2453.44	
mm16_adj	1304.63	0.0000	3386.43	0.0000	3316.69	
mm17_adj	1002.18	0.0000	3714.15	0.0000	3637.67	
mm18_adj	1217.43	0.0000	4012.44	0.0000	3929.82	
mm19_adj	537.64	0.0000	3631.35	0.0000	3556.58	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=13.49 P-val=0.0002

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 21914.27

Kleibergen-Paap Wald rk F statistic 61.36

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 1.03 P-val=0.4275

Anderson-Rubin Wald test Chi-sq(9)= 9.49 P-val=0.3932

Stock-Wright LM S statistic Chi-sq(9)= 5.84 P-val=0.7557

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 77128

Number of regressors K = 9

Number of endogenous regressors K1 = 9

Number of instruments L = 9

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52

Number of obs = 77128

F(9, 51) = 1.05

Total (centered) SS	=	79487.01654	Prob > F	=	0.4137
Total (uncentered) SS	=	79487.01654	Centered R2	=	0.0001
Residual SS	=	79478.54745	Uncentered R2	=	0.0001
			Root MSE	=	1.015

nstw12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm10_adj	-.0306295	.0126282	-2.43	0.015	-.0553804	-.0058786
mm12_adj	.0031	.0107838	0.29	0.774	-.0180358	.0242357
mm13_adj	.0030929	.0085076	0.36	0.716	-.0135816	.0197674
mm14_adj	-.0034978	.0147985	-0.24	0.813	-.0325024	.0255068
mm15_adj	-.0035951	.0122425	-0.29	0.769	-.0275899	.0203997
mm16_adj	.003965	.0125916	0.31	0.753	-.0207141	.0286442
mm17_adj	.0204863	.0095061	2.16	0.031	.0018547	.0391179
mm18_adj	.0048626	.0161554	0.30	0.763	-.0268014	.0365267
mm19_adj	.0055927	.0133079	0.42	0.674	-.0204903	.0316757

Underidentification test (Kleibergen-Paap rk LM statistic): 13.495
Chi-sq(1) P-val = 0.0002

Weak identification test (Cragg-Donald Wald F statistic): 2.2e+04
(Kleibergen-Paap rk Wald F statistic): 61.358
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
mm17_adj mm18_adj mm19_adj

Included instruments:

Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
imm16_adj imm17_adj imm18_adj imm19_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0

nstw12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0033771	.0199106	-0.17	0.865	-.0424012	.0356469

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = .0033771

nstw12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-5.64e-18	.0199106	-0.00	1.000	-.0390241 .0390241

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 8.02
 Prob > chi2 = 0.3305

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0
- (6) mm16_adj = 0
- (7) mm17_adj = 0
- (8) mm18_adj = 0
- (9) mm19_adj = 0

chi2(9) = 9.66
 Prob > chi2 = 0.3784

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = 0

chi2(1) = 0.03
 Prob > chi2 = 0.8653

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_unemp.xls
 dir : seeout

Phase 2 dependent variable: nstw24, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm10_adj	707.56	0.0000	2283.62	0.0000	2236.60	
mm12_adj	1463.51	0.0000	2215.04	0.0000	2169.43	
mm13_adj	1198.28	0.0000	2265.85	0.0000	2219.19	
mm14_adj	1282.32	0.0000	1936.68	0.0000	1896.80	
mm15_adj	1507.06	0.0000	2505.03	0.0000	2453.44	
mm16_adj	1304.63	0.0000	3386.43	0.0000	3316.69	
mm17_adj	1002.18	0.0000	3714.15	0.0000	3637.67	
mm18_adj	1217.43	0.0000	4012.44	0.0000	3929.82	
mm19_adj	537.64	0.0000	3631.35	0.0000	3556.58	

NB: first-stage test statistics cluster-robust

mm16_adj		.0031333	.0295038	0.11	0.915	-.0546931	.0609598
mm17_adj		.0351267	.0242929	1.45	0.148	-.0124865	.0827399
mm18_adj		.005924	.0327089	0.18	0.856	-.0581843	.0700322
mm19_adj		.017148	.0337038	0.51	0.611	-.0489103	.0832064

Underidentification test (Kleibergen-Paap rk LM statistic): 13.495
Chi-sq(1) P-val = 0.0002

Weak identification test (Cragg-Donald Wald F statistic): 2.2e+04
(Kleibergen-Paap rk Wald F statistic): 61.358
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
mm17_adj mm18_adj mm19_adj
Included instruments:
Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
imm16_adj imm17_adj imm18_adj imm19_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0

nstw24		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		.022166	.0455158	0.49	0.626	-.0670434 .1113753

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = -.022166

nstw24		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		-4.51e-17	.0455158	-0.00	1.000	-.0892094 .0892094

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
(2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
(3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
(4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
(5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0

(6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
 (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 10.43
 Prob > chi2 = 0.1655

(1) mm10_adj = 0
 (2) mm12_adj = 0
 (3) mm13_adj = 0
 (4) mm14_adj = 0
 (5) mm15_adj = 0
 (6) mm16_adj = 0
 (7) mm17_adj = 0
 (8) mm18_adj = 0
 (9) mm19_adj = 0

chi2(9) = 10.85
 Prob > chi2 = 0.2858

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
 mm18_adj + mm19_adj = 0

chi2(1) = 0.24
 Prob > chi2 = 0.6263

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_unemp.xls
 dir : seeout

Phase 2 dependent variable: nstw36, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)	
	F(9, 51)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)
mm10_adj	707.56	0.0000		2283.62	0.0000		2236.60
mm12_adj	1463.51	0.0000		2215.04	0.0000		2169.43
mm13_adj	1198.28	0.0000		2265.85	0.0000		2219.19
mm14_adj	1282.32	0.0000		1936.68	0.0000		1896.80
mm15_adj	1507.06	0.0000		2505.03	0.0000		2453.44
mm16_adj	1304.63	0.0000		3386.43	0.0000		3316.69
mm17_adj	1002.18	0.0000		3714.15	0.0000		3637.67
mm18_adj	1217.43	0.0000		4012.44	0.0000		3929.82
mm19_adj	537.64	0.0000		3631.35	0.0000		3556.58

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=13.49 P-val=0.0002

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 21914.27
 Kleibergen-Paap Wald rk F statistic 61.36

Stock-Yogo weak ID test critical values for K1=9 and L1=9: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,51)= 0.63 P-val=0.7642
 Anderson-Rubin Wald test Chi-sq(9)= 5.81 P-val=0.7589
 Stock-Wright LM S statistic Chi-sq(9)= 5.03 P-val=0.8319

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 77128
 Number of regressors K = 9
 Number of endogenous regressors K1 = 9
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 99
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 77128
 F(9, 51) = 0.63
 Prob > F = 0.7627
 Total (centered) SS = 1188721.635 Centered R2 = 0.0001
 Total (uncentered) SS = 1188721.635 Uncentered R2 = 0.0001
 Residual SS = 1188660.812 Root MSE = 3.926

nstw36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm10_adj	-.0234388	.0463204	-0.51	0.613	-.1142251	.0673475
mm12_adj	-.0003153	.0513103	-0.01	0.995	-.1008816	.100251
mm13_adj	-.0006186	.0415923	-0.01	0.988	-.082138	.0809007
mm14_adj	-.0811209	.0639586	-1.27	0.205	-.2064774	.0442357
mm15_adj	-.0474637	.0430991	-1.10	0.271	-.1319364	.0370089
mm16_adj	.0119936	.0475183	0.25	0.801	-.0811405	.1051277
mm17_adj	.0375297	.0433668	0.87	0.387	-.0474677	.1225271
mm18_adj	.0038179	.0441354	0.09	0.931	-.0826858	.0903217
mm19_adj	.034429	.0540023	0.64	0.524	-.0714135	.1402716

Underidentification test (Kleibergen-Paap rk LM statistic): 13.495
 Chi-sq(1) P-val = 0.0002

Weak identification test (Cragg-Donald Wald F statistic): 2.2e+04
 (Kleibergen-Paap rk Wald F statistic): 61.358
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

```

-----
Instrumented:      mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
                  mm17_adj mm18_adj mm19_adj
Included instruments:
Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
                    imm16_adj imm17_adj imm18_adj imm19_adj
Partialled-out:    male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss imel
                  ime_miss _cons
                  nb: small-sample adjustments account for
                      partialled-out variables
-----

```

```

( 1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0

```

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.065187	.0671469	0.97	0.332	-.0664185 .1967925

```

( 1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = -.065187

```

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	1.39e-17	.0671469	0.00	1.000	-.1316055 .1316055

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

```

chi2( 7) = 5.74
Prob > chi2 = 0.5710

```

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0
- (6) mm16_adj = 0
- (7) mm17_adj = 0
- (8) mm18_adj = 0

(9) mm19_adj = 0

chi2(9) = 5.83
Prob > chi2 = 0.7573

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = 0

chi2(1) = 0.94
Prob > chi2 = 0.3316

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH2_unemp.xls
dir : seeout

Phase 2 dependent variable: nstw48, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)		
	F(9, 51)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)	
mm10_adj	707.56	0.0000		2283.62	0.0000		2236.60	
mm12_adj	1463.51	0.0000		2215.04	0.0000		2169.43	
mm13_adj	1198.28	0.0000		2265.85	0.0000		2219.19	
mm14_adj	1282.32	0.0000		1936.68	0.0000		1896.80	
mm15_adj	1507.06	0.0000		2505.03	0.0000		2453.44	
mm16_adj	1304.63	0.0000		3386.43	0.0000		3316.69	
mm17_adj	1002.18	0.0000		3714.15	0.0000		3637.67	
mm18_adj	1217.43	0.0000		4012.44	0.0000		3929.82	
mm19_adj	537.64	0.0000		3631.35	0.0000		3556.58	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=13.49 P-val=0.0002

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 21914.27

Kleibergen-Paap Wald rk F statistic 61.36

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 0.34 P-val=0.9561

Anderson-Rubin Wald test Chi-sq(9)= 3.15 P-val=0.9581

Stock-Wright LM S statistic Chi-sq(9)= 3.09 P-val=0.9605

twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
 mm18_adj - mm19_adj = 0

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0921142	.0884643	1.04	0.298	-.0812726 .265501

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
 mm18_adj + mm19_adj = -.0921142

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-1.39e-17	.0884643	-0.00	1.000	-.1733868 .1733868

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 2.65
 Prob > chi2 = 0.9151

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0
- (6) mm16_adj = 0
- (7) mm17_adj = 0
- (8) mm18_adj = 0
- (9) mm19_adj = 0

chi2(9) = 3.14
 Prob > chi2 = 0.9583

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
 mm18_adj + mm19_adj = 0

chi2(1) = 1.08
 Prob > chi2 = 0.2978

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_unemp.xls
 dir : seeout

Phase 3 dependent variable: ldwroll12, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)		
	F(9, 51)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)	
mm21_adj	640.69	0.0000		1486.89	0.0000		1456.93	
mm23_adj	729.44	0.0000		2134.73	0.0000		2091.72	
mm24_adj	649.79	0.0000		2636.32	0.0000		2583.20	
mm25_adj	792.24	0.0000		2823.77	0.0000		2766.87	
mm26_adj	871.95	0.0000		3164.69	0.0000		3100.93	
mm27_adj	659.54	0.0000		3044.68	0.0000		2983.33	
mm28_adj	971.43	0.0000		3118.92	0.0000		3056.08	
mm29_adj	743.06	0.0000		2914.59	0.0000		2855.87	
mm30_adj	484.63	0.0000		2937.92	0.0000		2878.73	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=6.33 P-val=0.0118

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 68266.83

Kleibergen-Paap Wald rk F statistic 97.49

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 3.33 P-val=0.0029

Anderson-Rubin Wald test Chi-sq(9)= 30.57 P-val=0.0004

Stock-Wright LM S statistic Chi-sq(9)= 10.71 P-val=0.2963

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 114377

Number of regressors K = 9

Number of endogenous regressors K1 = 9

Number of instruments L = 9

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

ldwroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0000461	.0010418	0.04	0.965	-.0019959	.002088

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = -.0000461

ldwroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	1.10e-17	.0010418	0.00	1.000	-.002042	.002042

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 26.80
 Prob > chi2 = 0.0004

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0
- (9) mm30_adj = 0

chi2(9) = 29.10
 Prob > chi2 = 0.0006

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = 0

chi2(1) = 0.00
 Prob > chi2 = 0.9647

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_unemp.xls
 dir : seeout

Phase 3 dependent variable: ldwroll24, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm21_adj	640.69	0.0000	1486.89	0.0000	1456.93	
mm23_adj	729.44	0.0000	2134.73	0.0000	2091.72	
mm24_adj	649.79	0.0000	2636.32	0.0000	2583.20	
mm25_adj	792.24	0.0000	2823.77	0.0000	2766.87	

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
mm21_adj	-.000744	.0014928	-0.50	0.618	-.0036697	.0021818
mm23_adj	.0034973	.0013812	2.53	0.011	.0007902	.0062043
mm24_adj	.0013203	.0010959	1.20	0.228	-.0008276	.0034682
mm25_adj	.000734	.0017783	0.41	0.680	-.0027514	.0042194
mm26_adj	-.000802	.0018377	-0.44	0.663	-.0044039	.0028
mm27_adj	.0019326	.0014669	1.32	0.188	-.0009425	.0048076
mm28_adj	.0008763	.0012573	0.70	0.486	-.0015879	.0033405
mm29_adj	-.0041401	.0014852	-2.79	0.005	-.0070511	-.0012292
mm30_adj	-.0006247	.0018522	-0.34	0.736	-.0042549	.0030055

Underidentification test (Kleibergen-Paap rk LM statistic): 6.335
Chi-sq(1) P-val = 0.0118

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
(Kleibergen-Paap rk Wald F statistic): 97.487

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
mm28_adj mm29_adj mm30_adj

Included instruments:

Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
imm27_adj imm28_adj imm29_adj imm30_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
mm29_adj - mm30_adj = 0

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0020497	.0011763	-1.74	0.081	-.0043552	.0002558

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = .0020497

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-3.60e-17	.0011763	-0.00	1.000	-.0023055	.0023055

```

( 1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
( 2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
( 3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
( 4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
( 5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
( 6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
( 7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

```

```

chi2( 7) = 20.43
Prob > chi2 = 0.0047

```

```

( 1) mm21_adj = 0
( 2) mm23_adj = 0
( 3) mm24_adj = 0
( 4) mm25_adj = 0
( 5) mm26_adj = 0
( 6) mm27_adj = 0
( 7) mm28_adj = 0
( 8) mm29_adj = 0
( 9) mm30_adj = 0

```

```

chi2( 9) = 22.75
Prob > chi2 = 0.0068

```

```

( 1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = 0

```

```

chi2( 1) = 3.04
Prob > chi2 = 0.0814

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH3_unemp.xls
dir : seeout

```

Phase 3 dependent variable: ldwroll36, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1) P-val	AP F(1, 51)		
mm21_adj	640.69	0.0000	1486.89 0.0000	1456.93		
mm23_adj	729.44	0.0000	2134.73 0.0000	2091.72		
mm24_adj	649.79	0.0000	2636.32 0.0000	2583.20		
mm25_adj	792.24	0.0000	2823.77 0.0000	2766.87		
mm26_adj	871.95	0.0000	3164.69 0.0000	3100.93		
mm27_adj	659.54	0.0000	3044.68 0.0000	2983.33		
mm28_adj	971.43	0.0000	3118.92 0.0000	3056.08		
mm29_adj	743.06	0.0000	2914.59 0.0000	2855.87		
mm30_adj	484.63	0.0000	2937.92 0.0000	2878.73		

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53


```
-----
Weak identification test (Cragg-Donald Wald F statistic):          6.8e+04
      (Kleibergen-Paap rk Wald F statistic):                    97.487
Stock-Yogo weak ID test critical values:                          <not available>
-----
```

```
Hansen J statistic (overidentification test of all instruments):    0.000
      (equation exactly identified)
```

```
-----
Instrumented:      mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
                  mm28_adj mm29_adj mm30_adj
```

Included instruments:

```
Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
imm27_adj imm28_adj imm29_adj imm30_adj
```

Partialled-out:

```
male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons
```

nb: small-sample adjustments account for
partialled-out variables

```
-----
( 1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
mm29_adj - mm30_adj = 0
-----
```

ldwroll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0016624	.0019375	-0.86	0.391	-.0054599 .002135

```
( 1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = .0016624
```

ldwroll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-6.07e-18	.0019375	-0.00	1.000	-.0037975 .0037975

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

```
chi2( 7) = 14.37
Prob > chi2 = 0.0450
```

```
( 1) mm21_adj = 0
```

(2) mm23_adj = 0
 (3) mm24_adj = 0
 (4) mm25_adj = 0
 (5) mm26_adj = 0
 (6) mm27_adj = 0
 (7) mm28_adj = 0
 (8) mm29_adj = 0
 (9) mm30_adj = 0

chi2(9) = 17.83
 Prob > chi2 = 0.0372

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
 mm29_adj + mm30_adj = 0

chi2(1) = 0.74
 Prob > chi2 = 0.3909

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_unemp.xls
 dir : seeout

Phase 3 dependent variable: ldwroll48, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)	
	F(9, 51)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)
mm21_adj	640.69	0.0000		1486.89	0.0000		1456.93
mm23_adj	729.44	0.0000		2134.73	0.0000		2091.72
mm24_adj	649.79	0.0000		2636.32	0.0000		2583.20
mm25_adj	792.24	0.0000		2823.77	0.0000		2766.87
mm26_adj	871.95	0.0000		3164.69	0.0000		3100.93
mm27_adj	659.54	0.0000		3044.68	0.0000		2983.33
mm28_adj	971.43	0.0000		3118.92	0.0000		3056.08
mm29_adj	743.06	0.0000		2914.59	0.0000		2855.87
mm30_adj	484.63	0.0000		2937.92	0.0000		2878.73

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=6.33 P-val=0.0118

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 68266.83

Kleibergen-Paap Wald rk F statistic 97.49

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 3.24 P-val=0.0035
Anderson-Rubin Wald test Chi-sq(9)= 29.73 P-val=0.0005
Stock-Wright LM S statistic Chi-sq(9)= 10.68 P-val=0.2982

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
Number of observations N = 114377
Number of regressors K = 9
Number of endogenous regressors K1 = 9
Number of instruments L = 9
Number of excluded instruments L1 = 9
Number of partialled-out regressors/IVs = 99

NB: K & L do not include partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 114377
F(9, 51) = 3.28
Prob > F = 0.0032
Total (centered) SS = 6410.195756 Centered R2 = 0.0002
Total (uncentered) SS = 6410.195756 Uncentered R2 = 0.0002
Residual SS = 6409.205946 Root MSE = .2367

ldwroll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm21_adj	.0001072	.0015925	0.07	0.946	-.003014	.0032284
mm23_adj	.0042512	.0030956	1.37	0.170	-.0018161	.0103185
mm24_adj	.000668	.0020206	0.33	0.741	-.0032924	.0046284
mm25_adj	-.0005878	.0020934	-0.28	0.779	-.0046909	.0035152
mm26_adj	-.0005045	.0030185	-0.17	0.867	-.0064206	.0054116
mm27_adj	.005788	.0018734	3.09	0.002	.0021161	.0094598
mm28_adj	-.000244	.0016632	-0.15	0.883	-.0035037	.0030158
mm29_adj	-.0057842	.0020825	-2.78	0.005	-.0098659	-.0017026
mm30_adj	-.0007693	.0027048	-0.28	0.776	-.0060705	.004532

Underidentification test (Kleibergen-Paap rk LM statistic): 6.335
Chi-sq(1) P-val = 0.0118

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
(Kleibergen-Paap rk Wald F statistic): 97.487

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
mm28_adj mm29_adj mm30_adj
Included instruments:
Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
imm27_adj imm28_adj imm29_adj imm30_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a

race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj - mm29_adj - mm30_adj = 0

ldwroll148	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0029245	.0015882	-1.84	0.066	-.0060374 .0001884

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = .0029245

ldwroll148	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	3.77e-17	.0015882	0.00	1.000	-.0031129 .0031129

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
 (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
 (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
 (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
 (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
 (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
 (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 24.23
 Prob > chi2 = 0.0010

- (1) mm21_adj = 0
 (2) mm23_adj = 0
 (3) mm24_adj = 0
 (4) mm25_adj = 0
 (5) mm26_adj = 0
 (6) mm27_adj = 0
 (7) mm28_adj = 0
 (8) mm29_adj = 0
 (9) mm30_adj = 0

chi2(9) = 30.15
 Prob > chi2 = 0.0004

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = 0

chi2(1) = 3.39
 Prob > chi2 = 0.0656

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_unemp.xls
 dir : seeout

Phase 3 dependent variable: eperoll12, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)		
	F(9, 51)	P-val		AP Chi-sq(1)	P-val	AP F(1, 51)		
mm21_adj	640.69	0.0000		1486.89	0.0000		1456.93	
mm23_adj	729.44	0.0000		2134.73	0.0000		2091.72	
mm24_adj	649.79	0.0000		2636.32	0.0000		2583.20	
mm25_adj	792.24	0.0000		2823.77	0.0000		2766.87	
mm26_adj	871.95	0.0000		3164.69	0.0000		3100.93	
mm27_adj	659.54	0.0000		3044.68	0.0000		2983.33	
mm28_adj	971.43	0.0000		3118.92	0.0000		3056.08	
mm29_adj	743.06	0.0000		2914.59	0.0000		2855.87	
mm30_adj	484.63	0.0000		2937.92	0.0000		2878.73	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=6.33 P-val=0.0118

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 68266.83

Kleibergen-Paap Wald rk F statistic 97.49

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 1.00 P-val=0.4542

Anderson-Rubin Wald test Chi-sq(9)= 9.16 P-val=0.4225

Stock-Wright LM S statistic Chi-sq(9)= 9.01 P-val=0.4360

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 114377

Number of regressors K = 9

ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
 mm29_adj - mm30_adj = 0

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0005912	.0013692	0.43	0.666	-.0020924 .0032748

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
 mm29_adj + mm30_adj = -.0005912

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	4.80e-17	.0013692	0.00	1.000	-.0026836 .0026836

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 7.46
 Prob > chi2 = 0.3824

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0
- (9) mm30_adj = 0

chi2(9) = 8.82
 Prob > chi2 = 0.4543

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
 mm29_adj + mm30_adj = 0

chi2(1) = 0.19
 Prob > chi2 = 0.6659

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_unemp.xls
 dir : seeout

Phase 3 dependent variable: eperoll24, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm21_adj	640.69	0.0000	1486.89	0.0000	1456.93	
mm23_adj	729.44	0.0000	2134.73	0.0000	2091.72	
mm24_adj	649.79	0.0000	2636.32	0.0000	2583.20	
mm25_adj	792.24	0.0000	2823.77	0.0000	2766.87	
mm26_adj	871.95	0.0000	3164.69	0.0000	3100.93	
mm27_adj	659.54	0.0000	3044.68	0.0000	2983.33	
mm28_adj	971.43	0.0000	3118.92	0.0000	3056.08	
mm29_adj	743.06	0.0000	2914.59	0.0000	2855.87	
mm30_adj	484.63	0.0000	2937.92	0.0000	2878.73	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=6.33 P-val=0.0118

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 68266.83

Kleibergen-Paap Wald rk F statistic 97.49

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 2.40 P-val=0.0234

Anderson-Rubin Wald test Chi-sq(9)= 22.09 P-val=0.0086

Stock-Wright LM S statistic Chi-sq(9)= 7.37 P-val=0.5990

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 114377

Number of regressors K = 9

Number of endogenous regressors K1 = 9

Number of instruments L = 9

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52

Number of obs = 114377

F(9, 51) = 2.40

Total (centered) SS	=	4750.748969	Prob > F	=	0.0236
Total (uncentered) SS	=	4750.748969	Centered R2	=	0.0001
Residual SS	=	4750.32865	Uncentered R2	=	0.0001
			Root MSE	=	.2038

eperoll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm21_adj	-.0017125	.0019	-0.90	0.367	-.0054365	.0020114
mm23_adj	.0042262	.0026371	1.60	0.109	-.0009424	.0093948
mm24_adj	.0002878	.001851	0.16	0.876	-.0033401	.0039157
mm25_adj	.0016403	.0013056	1.26	0.209	-.0009186	.0041992
mm26_adj	-.0000288	.0023389	-0.01	0.990	-.004613	.0045554
mm27_adj	.0002676	.0018906	0.14	0.887	-.0034379	.0039732
mm28_adj	-.0010547	.001712	-0.62	0.538	-.0044102	.0023008
mm29_adj	-.0025216	.0017861	-1.41	0.158	-.0060223	.000979
mm30_adj	-.0010861	.0019911	-0.55	0.585	-.0049885	.0028163

Underidentification test (Kleibergen-Paap rk LM statistic): 6.335
Chi-sq(1) P-val = 0.0118

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
(Kleibergen-Paap rk Wald F statistic): 97.487
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
mm28_adj mm29_adj mm30_adj

Included instruments:

Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
imm27_adj imm28_adj imm29_adj imm30_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
mm29_adj - mm30_adj = 0

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0000182	.0018873	-0.01	0.992	-.0037173	.0036808

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = .0000182

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	3.72e-17	.0018873	0.00	1.000	-.003699 .003699

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 15.54
 Prob > chi2 = 0.0297

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0
- (9) mm30_adj = 0

chi2(9) = 22.05
 Prob > chi2 = 0.0087

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = 0

chi2(1) = 0.00
 Prob > chi2 = 0.9923

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_unemp.xls
 dir : seeout

Phase 3 dependent variable: eperoll36, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm21_adj	640.69	0.0000	1486.89	0.0000	1456.93	
mm23_adj	729.44	0.0000	2134.73	0.0000	2091.72	
mm24_adj	649.79	0.0000	2636.32	0.0000	2583.20	
mm25_adj	792.24	0.0000	2823.77	0.0000	2766.87	
mm26_adj	871.95	0.0000	3164.69	0.0000	3100.93	
mm27_adj	659.54	0.0000	3044.68	0.0000	2983.33	
mm28_adj	971.43	0.0000	3118.92	0.0000	3056.08	
mm29_adj	743.06	0.0000	2914.59	0.0000	2855.87	
mm30_adj	484.63	0.0000	2937.92	0.0000	2878.73	

NB: first-stage test statistics cluster-robust

mm27_adj		.0022823	.0015467	1.48	0.140	-.0007493	.0053138
mm28_adj		-.0014026	.001853	-0.76	0.449	-.0050344	.0022292
mm29_adj		-.0057121	.0020063	-2.85	0.004	-.0096444	-.0017797
mm30_adj		-.000943	.0026053	-0.36	0.717	-.0060494	.0041633

Underidentification test (Kleibergen-Paap rk LM statistic): 6.335
Chi-sq(1) P-val = 0.0118

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
(Kleibergen-Paap rk Wald F statistic): 97.487
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
mm28_adj mm29_adj mm30_adj
Included instruments:
Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
imm27_adj imm28_adj imm29_adj imm30_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
mm29_adj - mm30_adj = 0

eperoll36		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		-.0019622	.0021705	-0.90	0.366	-.0062163 .0022919

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = .0019622

eperoll36		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		4.08e-17	.0021705	0.00	1.000	-.0042541 .0042541

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
(2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
(3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
(4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
(5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0

(6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
 (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 21.14
 Prob > chi2 = 0.0036

(1) mm21_adj = 0
 (2) mm23_adj = 0
 (3) mm24_adj = 0
 (4) mm25_adj = 0
 (5) mm26_adj = 0
 (6) mm27_adj = 0
 (7) mm28_adj = 0
 (8) mm29_adj = 0
 (9) mm30_adj = 0

chi2(9) = 40.41
 Prob > chi2 = 0.0000

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
 mm29_adj + mm30_adj = 0

chi2(1) = 0.82
 Prob > chi2 = 0.3660

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_unemp.xls
 dir : seeout

Phase 3 dependent variable: eperoll48, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)	
	F(9, 51)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)
mm21_adj	640.69	0.0000		1486.89	0.0000		1456.93
mm23_adj	729.44	0.0000		2134.73	0.0000		2091.72
mm24_adj	649.79	0.0000		2636.32	0.0000		2583.20
mm25_adj	792.24	0.0000		2823.77	0.0000		2766.87
mm26_adj	871.95	0.0000		3164.69	0.0000		3100.93
mm27_adj	659.54	0.0000		3044.68	0.0000		2983.33
mm28_adj	971.43	0.0000		3118.92	0.0000		3056.08
mm29_adj	743.06	0.0000		2914.59	0.0000		2855.87
mm30_adj	484.63	0.0000		2937.92	0.0000		2878.73

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=6.33 P-val=0.0118

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 68266.83
 Kleibergen-Paap Wald rk F statistic 97.49

Stock-Yogo weak ID test critical values for K1=9 and L1=9: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,51)= 1.73 P-val=0.1063
 Anderson-Rubin Wald test Chi-sq(9)= 15.88 P-val=0.0694
 Stock-Wright LM S statistic Chi-sq(9)= 5.94 P-val=0.7464

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 114377
 Number of regressors K = 9
 Number of endogenous regressors K1 = 9
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 99
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 114377
 F(9, 51) = 1.75
 Prob > F = 0.1019
 Total (centered) SS = 7580.469244 Centered R2 = 0.0001
 Total (uncentered) SS = 7580.469244 Uncentered R2 = 0.0001
 Residual SS = 7579.695442 Root MSE = .2574

eperoll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm21_adj	.0010378	.0020827	0.50	0.618	-.0030442	.0051197
mm23_adj	.0057011	.003708	1.54	0.124	-.0015664	.0129686
mm24_adj	.0009322	.0027491	0.34	0.735	-.004456	.0063203
mm25_adj	.0004466	.002666	0.17	0.867	-.0047785	.0056718
mm26_adj	-.0015451	.0026836	-0.58	0.565	-.0068049	.0037148
mm27_adj	.0016894	.001762	0.96	0.338	-.0017641	.005143
mm28_adj	-.0004492	.0019696	-0.23	0.820	-.0043095	.0034111
mm29_adj	-.0042751	.0019999	-2.14	0.033	-.0081948	-.0003554
mm30_adj	-.0008706	.0029481	-0.30	0.768	-.0066487	.0049076

Underidentification test (Kleibergen-Paap rk LM statistic): 6.335
 Chi-sq(1) P-val = 0.0118

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
 (Kleibergen-Paap rk Wald F statistic): 97.487
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

```

-----
Instrumented:      mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
                  mm28_adj mm29_adj mm30_adj
Included instruments:
Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
                    imm27_adj imm28_adj imm29_adj imm30_adj
Partialled-out:    male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss imel
                  ime_miss _cons
                  nb: small-sample adjustments account for
                      partialled-out variables
-----

```

```

( 1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
mm29_adj - mm30_adj = 0

```

eperoll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0026672	.0026418	-1.01	0.313	-.0078451 .0025107

```

( 1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = .0026672

```

eperoll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	1.69e-17	.0026418	0.00	1.000	-.0051779 .0051779

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

```

chi2( 7) = 11.23
Prob > chi2 = 0.1288

```

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0

(9) mm30_adj = 0

chi2(9) = 16.06
Prob > chi2 = 0.0656

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = 0

chi2(1) = 1.02
Prob > chi2 = 0.3127

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH3_unemp.xls
dir : seeout

Phase 3 dependent variable: twproll12, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)	
	F(9, 51)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)
mm21_adj	640.69	0.0000		1486.89	0.0000		1456.93
mm23_adj	729.44	0.0000		2134.73	0.0000		2091.72
mm24_adj	649.79	0.0000		2636.32	0.0000		2583.20
mm25_adj	792.24	0.0000		2823.77	0.0000		2766.87
mm26_adj	871.95	0.0000		3164.69	0.0000		3100.93
mm27_adj	659.54	0.0000		3044.68	0.0000		2983.33
mm28_adj	971.43	0.0000		3118.92	0.0000		3056.08
mm29_adj	743.06	0.0000		2914.59	0.0000		2855.87
mm30_adj	484.63	0.0000		2937.92	0.0000		2878.73

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=6.33 P-val=0.0118

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 68266.83

Kleibergen-Paap Wald rk F statistic 97.49

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 0.87 P-val=0.5539

Anderson-Rubin Wald test Chi-sq(9)= 8.03 P-val=0.5311

Stock-Wright LM S statistic Chi-sq(9)= 4.16 P-val=0.9008


```

twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
( 1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
mm29_adj - mm30_adj = 0

```

twproll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0004609	.002201	0.21	0.834	-.0038531 .0047748

```

( 1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = -.0004609

```

twproll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	2.19e-17	.002201	0.00	1.000	-.004314 .004314

- ```

(1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
(2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
(3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
(4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
(5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
(6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
(7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

```

```

chi2(7) = 7.56
Prob > chi2 = 0.3733

```

- ```

( 1) mm21_adj = 0
( 2) mm23_adj = 0
( 3) mm24_adj = 0
( 4) mm25_adj = 0
( 5) mm26_adj = 0
( 6) mm27_adj = 0
( 7) mm28_adj = 0
( 8) mm29_adj = 0
( 9) mm30_adj = 0

```

```

chi2( 9) = 8.17
Prob > chi2 = 0.5174

```

```

( 1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = 0

```

```

chi2( 1) = 0.04
Prob > chi2 = 0.8341

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH3_unemp.xls
dir : seeout

```

Phase 3 dependent variable: twproll24, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)		
	F(9, 51)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)	
mm21_adj	640.69	0.0000		1486.89	0.0000		1456.93	
mm23_adj	729.44	0.0000		2134.73	0.0000		2091.72	
mm24_adj	649.79	0.0000		2636.32	0.0000		2583.20	
mm25_adj	792.24	0.0000		2823.77	0.0000		2766.87	
mm26_adj	871.95	0.0000		3164.69	0.0000		3100.93	
mm27_adj	659.54	0.0000		3044.68	0.0000		2983.33	
mm28_adj	971.43	0.0000		3118.92	0.0000		3056.08	
mm29_adj	743.06	0.0000		2914.59	0.0000		2855.87	
mm30_adj	484.63	0.0000		2937.92	0.0000		2878.73	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=6.33 P-val=0.0118

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 68266.83

Kleibergen-Paap Wald rk F statistic 97.49

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 0.88 P-val=0.5532

Anderson-Rubin Wald test Chi-sq(9)= 8.04 P-val=0.5303

Stock-Wright LM S statistic Chi-sq(9)= 4.03 P-val=0.9092

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 114377

Number of regressors K = 9

Number of endogenous regressors K1 = 9

Number of instruments L = 9

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

twproll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0008461	.0028698	-0.29	0.768	-.0064709	.0047787

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = .0008461

twproll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-1.93e-17	.0028698	-0.00	1.000	-.0056248	.0056248

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 7.46
 Prob > chi2 = 0.3827

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0
- (9) mm30_adj = 0

chi2(9) = 8.16
 Prob > chi2 = 0.5177

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = 0

chi2(1) = 0.09
 Prob > chi2 = 0.7681

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_unemp.xls
 dir : seeout

Phase 3 dependent variable: twproll36, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm21_adj	640.69	0.0000	1486.89	0.0000	1456.93	
mm23_adj	729.44	0.0000	2134.73	0.0000	2091.72	
mm24_adj	649.79	0.0000	2636.32	0.0000	2583.20	
mm25_adj	792.24	0.0000	2823.77	0.0000	2766.87	

mm26_adj	871.95	0.0000	3164.69	0.0000	3100.93
mm27_adj	659.54	0.0000	3044.68	0.0000	2983.33
mm28_adj	971.43	0.0000	3118.92	0.0000	3056.08
mm29_adj	743.06	0.0000	2914.59	0.0000	2855.87
mm30_adj	484.63	0.0000	2937.92	0.0000	2878.73

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=6.33 P-val=0.0118

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 68266.83

Kleibergen-Paap Wald rk F statistic 97.49

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 0.60 P-val=0.7892

Anderson-Rubin Wald test Chi-sq(9)= 5.53 P-val=0.7858

Stock-Wright LM S statistic Chi-sq(9)= 3.87 P-val=0.9195

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 114377

Number of regressors K = 9

Number of endogenous regressors K1 = 9

Number of instruments L = 9

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 114377

F(9, 51) = 0.59

Prob > F = 0.7962

Centered R2 = 0.0001

Uncentered R2 = 0.0001

Root MSE = .2614

Total (centered) SS = 7816.01494

Total (uncentered) SS = 7816.01494

Residual SS = 7815.491794

| Robust

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
mm21_adj	.0033574	.0019859	1.69	0.091	-.0005348	.0072497
mm23_adj	.0027112	.0023679	1.14	0.252	-.0019298	.0073522
mm24_adj	.0006544	.0024004	0.27	0.785	-.0040503	.0053592
mm25_adj	-.0022418	.0023948	-0.94	0.349	-.0069356	.002452
mm26_adj	-.002854	.002193	-1.30	0.193	-.0071523	.0014442
mm27_adj	.0032433	.0031294	1.04	0.300	-.0028903	.0093769
mm28_adj	-.0014424	.0023527	-0.61	0.540	-.0060536	.0031688
mm29_adj	-.0010704	.0020554	-0.52	0.603	-.005099	.0029581
mm30_adj	-.0007138	.0022589	-0.32	0.752	-.0051413	.0037136

Underidentification test (Kleibergen-Paap rk LM statistic): 6.335
Chi-sq(1) P-val = 0.0118

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
(Kleibergen-Paap rk Wald F statistic): 97.487

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
mm28_adj mm29_adj mm30_adj

Included instruments:

Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
imm27_adj imm28_adj imm29_adj imm30_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
mm29_adj - mm30_adj = 0

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.001644	.0022087	-0.74	0.457	-.0059729	.0026849

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = .001644

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-4.42e-17	.0022087	-0.00	1.000	-.0043289	.0043289

```

( 1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
( 2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
( 3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
( 4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
( 5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
( 6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
( 7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

```

```

      chi2( 7) =      3.33
Prob > chi2 =      0.8531

```

```

( 1) mm21_adj = 0
( 2) mm23_adj = 0
( 3) mm24_adj = 0
( 4) mm25_adj = 0
( 5) mm26_adj = 0
( 6) mm27_adj = 0
( 7) mm28_adj = 0
( 8) mm29_adj = 0
( 9) mm30_adj = 0

```

```

      chi2( 9) =      5.45
Prob > chi2 =      0.7932

```

```

( 1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = 0

```

```

      chi2( 1) =      0.55
Prob > chi2 =      0.4567

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH3_unemp.xls
dir : seeout

```

Phase 3 dependent variable: twproll48, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm21_adj	640.69	0.0000	1486.89	0.0000	1456.93	
mm23_adj	729.44	0.0000	2134.73	0.0000	2091.72	
mm24_adj	649.79	0.0000	2636.32	0.0000	2583.20	
mm25_adj	792.24	0.0000	2823.77	0.0000	2766.87	
mm26_adj	871.95	0.0000	3164.69	0.0000	3100.93	
mm27_adj	659.54	0.0000	3044.68	0.0000	2983.33	
mm28_adj	971.43	0.0000	3118.92	0.0000	3056.08	
mm29_adj	743.06	0.0000	2914.59	0.0000	2855.87	
mm30_adj	484.63	0.0000	2937.92	0.0000	2878.73	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

 Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
 (Kleibergen-Paap rk Wald F statistic): 97.487
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
 mm28_adj mm29_adj mm30_adj

Included instruments:

Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
 imm27_adj imm28_adj imm29_adj imm30_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss _cons

nb: small-sample adjustments account for
 partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
 mm29_adj - mm30_adj = 0

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0020637	.0019786	-1.04	0.297	-.0059418 .0018143

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
 mm29_adj + mm30_adj = .0020637

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	2.08e-17	.0019786	0.00	1.000	-.003878 .003878

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 6.77
 Prob > chi2 = 0.4537

(1) mm21_adj = 0

(2) mm23_adj = 0
 (3) mm24_adj = 0
 (4) mm25_adj = 0
 (5) mm26_adj = 0
 (6) mm27_adj = 0
 (7) mm28_adj = 0
 (8) mm29_adj = 0
 (9) mm30_adj = 0

chi2(9) = 9.86
 Prob > chi2 = 0.3617

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
 mm29_adj + mm30_adj = 0

chi2(1) = 1.09
 Prob > chi2 = 0.2969

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_unemp.xls
 dir : seeout

Phase 3 dependent variable: srvroll12, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)	
	F(9, 51)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)
mm21_adj	640.69	0.0000		1486.89	0.0000		1456.93
mm23_adj	729.44	0.0000		2134.73	0.0000		2091.72
mm24_adj	649.79	0.0000		2636.32	0.0000		2583.20
mm25_adj	792.24	0.0000		2823.77	0.0000		2766.87
mm26_adj	871.95	0.0000		3164.69	0.0000		3100.93
mm27_adj	659.54	0.0000		3044.68	0.0000		2983.33
mm28_adj	971.43	0.0000		3118.92	0.0000		3056.08
mm29_adj	743.06	0.0000		2914.59	0.0000		2855.87
mm30_adj	484.63	0.0000		2937.92	0.0000		2878.73

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=6.33 P-val=0.0118

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 68266.83

Kleibergen-Paap Wald rk F statistic 97.49

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,51)=	3.89	P-val=0.0008
Anderson-Rubin Wald test	Chi-sq(9)=	35.72	P-val=0.0000
Stock-Wright LM S statistic	Chi-sq(9)=	9.99	P-val=0.3515

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	114377
Number of regressors	K =	9
Number of endogenous regressors	K1 =	9
Number of instruments	L =	9
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	99

NB: K & L do not include partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	114377
		F(9, 51) =	4.14
		Prob > F =	0.0005
Total (centered) SS =	2024.431491	Centered R2 =	0.0007
Total (uncentered) SS =	2024.431491	Uncentered R2 =	0.0007
Residual SS =	2023.042576	Root MSE =	.133

srvroll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm21_adj	.0049624	.001068	4.65	0.000	.0028692	.0070557
mm23_adj	.0021584	.0014207	1.52	0.129	-.0006262	.0049429
mm24_adj	.0017665	.0008311	2.13	0.034	.0001375	.0033955
mm25_adj	.0008777	.0012865	0.68	0.495	-.0016437	.0033991
mm26_adj	-.0003232	.0012608	-0.26	0.798	-.0027944	.0021479
mm27_adj	-.0005203	.0007689	-0.68	0.499	-.0020274	.0009868
mm28_adj	-.0014479	.0015375	-0.94	0.346	-.0044614	.0015655
mm29_adj	-.0008763	.001413	-0.62	0.535	-.0036457	.0018931
mm30_adj	-.0038538	.0011717	-3.29	0.001	-.0061502	-.0015574

Underidentification test (Kleibergen-Paap rk LM statistic): 6.335
Chi-sq(1) P-val = 0.0118

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
(Kleibergen-Paap rk Wald F statistic): 97.487

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
mm28_adj mm29_adj mm30_adj

Included instruments:

Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
imm27_adj imm28_adj imm29_adj imm30_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a

race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj - mm29_adj - mm30_adj = 0

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0027434	.0010178	-2.70	0.007	-.0047383 - .0007486

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = .0027434

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-3.99e-17	.0010178	-0.00	1.000	-.0019948 .0019948

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
 (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
 (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
 (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
 (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
 (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
 (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 6.02
 Prob > chi2 = 0.5374

- (1) mm21_adj = 0
 (2) mm23_adj = 0
 (3) mm24_adj = 0
 (4) mm25_adj = 0
 (5) mm26_adj = 0
 (6) mm27_adj = 0
 (7) mm28_adj = 0
 (8) mm29_adj = 0
 (9) mm30_adj = 0

chi2(9) = 38.02
 Prob > chi2 = 0.0000

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = 0

chi2(1) = 7.27
 Prob > chi2 = 0.0070

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_unemp.xls
 dir : seeout

Phase 3 dependent variable: srvroll24, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)		
	F(9, 51)	P-val		AP Chi-sq(1)	P-val	AP F(1, 51)		
mm21_adj	640.69	0.0000		1486.89	0.0000		1456.93	
mm23_adj	729.44	0.0000		2134.73	0.0000		2091.72	
mm24_adj	649.79	0.0000		2636.32	0.0000		2583.20	
mm25_adj	792.24	0.0000		2823.77	0.0000		2766.87	
mm26_adj	871.95	0.0000		3164.69	0.0000		3100.93	
mm27_adj	659.54	0.0000		3044.68	0.0000		2983.33	
mm28_adj	971.43	0.0000		3118.92	0.0000		3056.08	
mm29_adj	743.06	0.0000		2914.59	0.0000		2855.87	
mm30_adj	484.63	0.0000		2937.92	0.0000		2878.73	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=6.33 P-val=0.0118

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 68266.83

Kleibergen-Paap Wald rk F statistic 97.49

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 1.79 P-val=0.0924

Anderson-Rubin Wald test Chi-sq(9)= 16.47 P-val=0.0576

Stock-Wright LM S statistic Chi-sq(9)= 7.83 P-val=0.5517

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 114377

Number of regressors K = 9

ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
 mm29_adj - mm30_adj = 0

srvroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0015179	.001321	-1.15	0.251	-.004107 .0010712

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
 mm29_adj + mm30_adj = .0015179

srvroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-4.68e-17	.001321	-0.00	1.000	-.0025891 .0025891

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 8.95
 Prob > chi2 = 0.2566

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0
- (9) mm30_adj = 0

chi2(9) = 16.35
 Prob > chi2 = 0.0599

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
 mm29_adj + mm30_adj = 0

chi2(1) = 1.32
 Prob > chi2 = 0.2505

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_unemp.xls
 dir : seeout

Phase 3 dependent variable: srvroll36, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm21_adj	640.69	0.0000	1486.89	0.0000	1456.93	
mm23_adj	729.44	0.0000	2134.73	0.0000	2091.72	
mm24_adj	649.79	0.0000	2636.32	0.0000	2583.20	
mm25_adj	792.24	0.0000	2823.77	0.0000	2766.87	
mm26_adj	871.95	0.0000	3164.69	0.0000	3100.93	
mm27_adj	659.54	0.0000	3044.68	0.0000	2983.33	
mm28_adj	971.43	0.0000	3118.92	0.0000	3056.08	
mm29_adj	743.06	0.0000	2914.59	0.0000	2855.87	
mm30_adj	484.63	0.0000	2937.92	0.0000	2878.73	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=6.33 P-val=0.0118

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 68266.83

Kleibergen-Paap Wald rk F statistic 97.49

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 1.19 P-val=0.3214

Anderson-Rubin Wald test Chi-sq(9)= 10.93 P-val=0.2803

Stock-Wright LM S statistic Chi-sq(9)= 5.59 P-val=0.7802

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 114377

Number of regressors K = 9

Number of endogenous regressors K1 = 9

Number of instruments L = 9

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52

Number of obs = 114377

F(9, 51) = 1.21

Total (centered) SS	=	2504.231527	Prob > F	=	0.3069
Total (uncentered) SS	=	2504.231527	Centered R2	=	0.0001
Residual SS	=	2503.96199	Uncentered R2	=	0.0001
			Root MSE	=	.148

srvroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm21_adj	.0026382	.0016501	1.60	0.110	-.000596	.0058724
mm23_adj	.0014742	.0012898	1.14	0.253	-.0010537	.0040021
mm24_adj	-.0005415	.0012934	-0.42	0.675	-.0030765	.0019935
mm25_adj	-.0014335	.0012383	-1.16	0.247	-.0038605	.0009934
mm26_adj	-.0006636	.0013078	-0.51	0.612	-.0032268	.0018996
mm27_adj	-.0003344	.0014276	-0.23	0.815	-.0031324	.0024635
mm28_adj	-.0014964	.0021656	-0.69	0.490	-.0057409	.0027482
mm29_adj	.0011064	.0016693	0.66	0.507	-.0021653	.0043782
mm30_adj	-.0004742	.0012432	-0.38	0.703	-.0029109	.0019625

Underidentification test (Kleibergen-Paap rk LM statistic): 6.335
Chi-sq(1) P-val = 0.0118

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
(Kleibergen-Paap rk Wald F statistic): 97.487
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
mm28_adj mm29_adj mm30_adj

Included instruments:

Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
imm27_adj imm28_adj imm29_adj imm30_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
mm29_adj - mm30_adj = 0

srvroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0002752	.0015161	-0.18	0.856	-.0032467	.0026963

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = .0002752

srvroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	3.52e-17	.0015161	0.00	1.000	-.0029715 .0029715

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 5.99
 Prob > chi2 = 0.5408

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0
- (9) mm30_adj = 0

chi2(9) = 11.16
 Prob > chi2 = 0.2651

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = 0

chi2(1) = 0.03
 Prob > chi2 = 0.8560

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_unemp.xls
 dir : seeout

Phase 3 dependent variable: srvroll148, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm21_adj	640.69	0.0000	1486.89	0.0000	1456.93	
mm23_adj	729.44	0.0000	2134.73	0.0000	2091.72	
mm24_adj	649.79	0.0000	2636.32	0.0000	2583.20	
mm25_adj	792.24	0.0000	2823.77	0.0000	2766.87	
mm26_adj	871.95	0.0000	3164.69	0.0000	3100.93	
mm27_adj	659.54	0.0000	3044.68	0.0000	2983.33	
mm28_adj	971.43	0.0000	3118.92	0.0000	3056.08	
mm29_adj	743.06	0.0000	2914.59	0.0000	2855.87	
mm30_adj	484.63	0.0000	2937.92	0.0000	2878.73	

NB: first-stage test statistics cluster-robust

mm27_adj		.0002932	.0011972	0.24	0.807	-.0020533	.0026397
mm28_adj		-.0007229	.0015066	-0.48	0.631	-.0036759	.00223
mm29_adj		.0009628	.0015259	0.63	0.528	-.002028	.0039536
mm30_adj		-.0010145	.0012846	-0.79	0.430	-.0035322	.0015032

Underidentification test (Kleibergen-Paap rk LM statistic): 6.335
Chi-sq(1) P-val = 0.0118

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
(Kleibergen-Paap rk Wald F statistic): 97.487

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
mm28_adj mm29_adj mm30_adj
Included instruments:
Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
imm27_adj imm28_adj imm29_adj imm30_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
mm29_adj - mm30_adj = 0

srvroll48		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		-.0005421	.0017616	-0.31	0.758	-.0039948 .0029106

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = .0005421

srvroll48		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		-3.75e-17	.0017616	-0.00	1.000	-.0034527 .0034527

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
(2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
(3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
(4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
(5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0

(6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
 (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 7.89
 Prob > chi2 = 0.3422

(1) mm21_adj = 0
 (2) mm23_adj = 0
 (3) mm24_adj = 0
 (4) mm25_adj = 0
 (5) mm26_adj = 0
 (6) mm27_adj = 0
 (7) mm28_adj = 0
 (8) mm29_adj = 0
 (9) mm30_adj = 0

chi2(9) = 9.18
 Prob > chi2 = 0.4206

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
 mm29_adj + mm30_adj = 0

chi2(1) = 0.09
 Prob > chi2 = 0.7583

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_unemp.xls
 dir : seeout

Phase 3 dependent variable: nstw12, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)	
	F(9, 51)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)
mm21_adj	640.69	0.0000		1486.89	0.0000		1456.93
mm23_adj	729.44	0.0000		2134.73	0.0000		2091.72
mm24_adj	649.79	0.0000		2636.32	0.0000		2583.20
mm25_adj	792.24	0.0000		2823.77	0.0000		2766.87
mm26_adj	871.95	0.0000		3164.69	0.0000		3100.93
mm27_adj	659.54	0.0000		3044.68	0.0000		2983.33
mm28_adj	971.43	0.0000		3118.92	0.0000		3056.08
mm29_adj	743.06	0.0000		2914.59	0.0000		2855.87
mm30_adj	484.63	0.0000		2937.92	0.0000		2878.73

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=6.33 P-val=0.0118

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 68266.83
 Kleibergen-Paap Wald rk F statistic 97.49

Stock-Yogo weak ID test critical values for K1=9 and L1=9: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,51)= 5.03 P-val=0.0001
 Anderson-Rubin Wald test Chi-sq(9)= 46.24 P-val=0.0000
 Stock-Wright LM S statistic Chi-sq(9)= 8.21 P-val=0.5136

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 114377
 Number of regressors K = 9
 Number of endogenous regressors K1 = 9
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 99
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 114377
 F(9, 51) = 5.26
 Prob > F = 0.0000
 Total (centered) SS = 143017.8291 Centered R2 = 0.0001
 Total (uncentered) SS = 143017.8291 Uncentered R2 = 0.0001
 Residual SS = 143005.8626 Root MSE = 1.118

nstwl2	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm21_adj	-.00496	.0100906	-0.49	0.623	-.0247372	.0148173
mm23_adj	.0163771	.0086096	1.90	0.057	-.0004975	.0332516
mm24_adj	-.0103941	.0072986	-1.42	0.154	-.024699	.0039108
mm25_adj	-.0041125	.0097452	-0.42	0.673	-.0232129	.0149878
mm26_adj	-.000856	.0072465	-0.12	0.906	-.0150589	.0133469
mm27_adj	-.026863	.0095264	-2.82	0.005	-.0455343	-.0081917
mm28_adj	.012837	.012218	1.05	0.293	-.0111097	.0367838
mm29_adj	.0038892	.0061635	0.63	0.528	-.008191	.0159693
mm30_adj	.0125097	.0098874	1.27	0.206	-.0068692	.0318887

Underidentification test (Kleibergen-Paap rk LM statistic): 6.335
 Chi-sq(1) P-val = 0.0118

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
 (Kleibergen-Paap rk Wald F statistic): 97.487
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

```

-----
Instrumented:      mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
                  mm28_adj mm29_adj mm30_adj
Included instruments:
Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
                    imm27_adj imm28_adj imm29_adj imm30_adj
Partialled-out:    male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss imel
                  ime_miss _cons
                  nb: small-sample adjustments account for
                      partialled-out variables
-----

```

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj - mm29_adj - mm30_adj = 0

nstw12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0015727	.0073062	0.22	0.830	-.0127471 .0158925

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = -.0015727

nstw12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	4.79e-17	.0073062	0.00	1.000	-.0143198 .0143198

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 37.06
 Prob > chi2 = 0.0000

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0

(9) mm30_adj = 0

chi2(9) = 48.28
Prob > chi2 = 0.0000

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = 0

chi2(1) = 0.05
Prob > chi2 = 0.8296

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH3_unemp.xls
dir : seeout

Phase 3 dependent variable: nstw24, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)		
	F(9, 51)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)	
mm21_adj	640.69	0.0000		1486.89	0.0000		1456.93	
mm23_adj	729.44	0.0000		2134.73	0.0000		2091.72	
mm24_adj	649.79	0.0000		2636.32	0.0000		2583.20	
mm25_adj	792.24	0.0000		2823.77	0.0000		2766.87	
mm26_adj	871.95	0.0000		3164.69	0.0000		3100.93	
mm27_adj	659.54	0.0000		3044.68	0.0000		2983.33	
mm28_adj	971.43	0.0000		3118.92	0.0000		3056.08	
mm29_adj	743.06	0.0000		2914.59	0.0000		2855.87	
mm30_adj	484.63	0.0000		2937.92	0.0000		2878.73	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=6.33 P-val=0.0118

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 68266.83

Kleibergen-Paap Wald rk F statistic 97.49

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 2.14 P-val=0.0430

Anderson-Rubin Wald test Chi-sq(9)= 19.63 P-val=0.0204

Stock-Wright LM S statistic Chi-sq(9)= 6.46 P-val=0.6929

twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
 mm29_adj - mm30_adj = 0

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0024382	.0177206	0.14	0.891	-.0322935 .0371699

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
 mm29_adj + mm30_adj = -.0024382

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-1.21e-17	.0177206	-0.00	1.000	-.0347317 .0347317

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 19.15
 Prob > chi2 = 0.0077

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0
- (9) mm30_adj = 0

chi2(9) = 20.05
 Prob > chi2 = 0.0176

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
 mm29_adj + mm30_adj = 0

chi2(1) = 0.02
 Prob > chi2 = 0.8906

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_unemp.xls
 dir : seeout

Phase 3 dependent variable: nstw36, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)		
	F(9, 51)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)	
mm21_adj	640.69	0.0000		1486.89	0.0000		1456.93	
mm23_adj	729.44	0.0000		2134.73	0.0000		2091.72	
mm24_adj	649.79	0.0000		2636.32	0.0000		2583.20	
mm25_adj	792.24	0.0000		2823.77	0.0000		2766.87	
mm26_adj	871.95	0.0000		3164.69	0.0000		3100.93	
mm27_adj	659.54	0.0000		3044.68	0.0000		2983.33	
mm28_adj	971.43	0.0000		3118.92	0.0000		3056.08	
mm29_adj	743.06	0.0000		2914.59	0.0000		2855.87	
mm30_adj	484.63	0.0000		2937.92	0.0000		2878.73	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=6.33 P-val=0.0118

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 68266.83

Kleibergen-Paap Wald rk F statistic 97.49

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 2.14 P-val=0.0423

Anderson-Rubin Wald test Chi-sq(9)= 19.69 P-val=0.0199

Stock-Wright LM S statistic Chi-sq(9)= 6.44 P-val=0.6956

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 114377

Number of regressors K = 9

Number of endogenous regressors K1 = 9

Number of instruments L = 9

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0068332	.0279612	-0.24	0.807	-.0616362	.0479697

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = .0068332

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	2.52e-17	.0279612	0.00	1.000	-.054803	.054803

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 16.00
 Prob > chi2 = 0.0251

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0
- (9) mm30_adj = 0

chi2(9) = 20.08
 Prob > chi2 = 0.0175

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = 0

chi2(1) = 0.06
 Prob > chi2 = 0.8069

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_unemp.xls
 dir : seeout

Phase 3 dependent variable: nstw48, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm21_adj	640.69	0.0000	1486.89	0.0000	1456.93	
mm23_adj	729.44	0.0000	2134.73	0.0000	2091.72	
mm24_adj	649.79	0.0000	2636.32	0.0000	2583.20	
mm25_adj	792.24	0.0000	2823.77	0.0000	2766.87	

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
mm21_adj	-.0255473	.0509846	-0.50	0.616	-.1254752	.0743806
mm23_adj	.1204029	.0557211	2.16	0.031	.0111915	.2296143
mm24_adj	-.0310597	.0514262	-0.60	0.546	-.1318532	.0697338
mm25_adj	-.0245314	.049625	-0.49	0.621	-.1217947	.0727318
mm26_adj	-.0263773	.0685735	-0.38	0.700	-.1607789	.1080242
mm27_adj	-.0112306	.0525173	-0.21	0.831	-.1141627	.0917014
mm28_adj	.0516256	.0521706	0.99	0.322	-.0506269	.153878
mm29_adj	-.0499692	.0333264	-1.50	0.134	-.1152878	.0153493
mm30_adj	-.0003381	.0622892	-0.01	0.996	-.1224227	.1217465

Underidentification test (Kleibergen-Paap rk LM statistic): 6.335
Chi-sq(1) P-val = 0.0118

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
(Kleibergen-Paap rk Wald F statistic): 97.487

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
mm28_adj mm29_adj mm30_adj

Included instruments:

Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
imm27_adj imm28_adj imm29_adj imm30_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
mm29_adj - mm30_adj = 0

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0029746	.0407246	-0.07	0.942	-.0827934	.0768442

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = .0029746

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	1.65e-17	.0407246	0.00	1.000	-.0798188	.0798188


```

( 1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
( 2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
( 3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
( 4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
( 5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
( 6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
( 7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

```

```

chi2( 7) = 18.37
Prob > chi2 = 0.0104

```

```

( 1) mm21_adj = 0
( 2) mm23_adj = 0
( 3) mm24_adj = 0
( 4) mm25_adj = 0
( 5) mm26_adj = 0
( 6) mm27_adj = 0
( 7) mm28_adj = 0
( 8) mm29_adj = 0
( 9) mm30_adj = 0

```

```

chi2( 9) = 23.40
Prob > chi2 = 0.0054

```

```

( 1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = 0

```

```

chi2( 1) = 0.01
Prob > chi2 = 0.9418

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH3_unemp.xls
dir : seeout

```

phase 2 and Phase 3 dependent variable: ldwroll12, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1) P-val	AP F(1, 51)		
mm_pl1_adj	901.80	0.0000	5873.01 0.0000	5756.82		
mm_pl3_adj	812.46	0.0000	6467.08 0.0000	6339.14		
mm_pl4_adj	870.14	0.0000	6576.16 0.0000	6446.05		
mm_pl5_adj	903.09	0.0000	6260.34 0.0000	6136.49		
mm_pl6_adj	812.56	0.0000	6416.62 0.0000	6289.68		
mm_pl7_adj	854.11	0.0000	6387.33 0.0000	6260.97		
mm_pl8_adj	811.89	0.0000	6784.86 0.0000	6650.63		
mm_pl9_adj	803.88	0.0000	5937.38 0.0000	5819.91		
mm_pl10_adj	782.88	0.0000	6147.20 0.0000	6025.58		

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
(Kleibergen-Paap rk Wald F statistic): 597.249
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

ldwroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0004701	.0009072	-0.52	0.604	-.0022483 .001308

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0004701

ldwroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-3.75e-17	.0009072	-0.00	1.000	-.0017781 .0017781

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 2.05 P-val=0.0525

Anderson-Rubin Wald test Chi-sq(9)= 18.80 P-val=0.0270

Stock-Wright LM S statistic Chi-sq(9)= 11.74 P-val=0.2281

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 191505

Number of regressors K = 10

Number of endogenous regressors K1 = 9

Number of instruments L = 10

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 191505

F(10, 51) = 2.51

Prob > F = 0.0155

Total (centered) SS = 5834.168168 Centered R2 = 0.0001

Total (uncentered) SS = 5834.168168 Uncentered R2 = 0.0001

Residual SS = 5833.645485 Root MSE = .1745

ldwroll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_p11_adj	-.000852	.0008888	-0.96	0.338	-.002594	.00089
mm_p13_adj	.001632	.0011343	1.44	0.150	-.0005911	.0038552
mm_p14_adj	.0013599	.0008985	1.51	0.130	-.0004011	.0031208
mm_p15_adj	-.0001187	.0013112	-0.09	0.928	-.0026886	.0024513
mm_p16_adj	-.0004575	.0013509	-0.34	0.735	-.0031052	.0021903
mm_p17_adj	.0015532	.0011065	1.40	0.160	-.0006154	.0037218
mm_p18_adj	.0013578	.0009676	1.40	0.161	-.0005387	.0032543
mm_p19_adj	-.0019395	.0011362	-1.71	0.088	-.0041664	.0002874
mm_p110_adj	-.0008336	.0013453	-0.62	0.535	-.0034703	.0018031
phase2_st	.0080008	.0031991	2.50	0.012	.0017307	.0142709

Underidentification test (Kleibergen-Paap rk LM statistic): 20.849
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
(Kleibergen-Paap rk Wald F statistic): 597.249

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_p11_adj mm_p13_adj mm_p14_adj mm_p15_adj mm_p16_adj
mm_p17_adj mm_p18_adj mm_p19_adj mm_p110_adj

Included instruments: phase2_st

Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0017017	.0009547	-1.78	0.075	-.0035728	.0001694

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0017017

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	3.84e-17	.0009547	0.00	1.000	-.0018711	.0018711

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 18.82
Prob > chi2 = 0.0268

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 3.18
Prob > chi2 = 0.0747

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0

(4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
 (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
 (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
 (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 12.76
 Prob > chi2 = 0.0781

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_unemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: ldwroll36, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_pl1_adj	901.80	0.0000	5873.01	0.0000	5756.82	
mm_pl3_adj	812.46	0.0000	6467.08	0.0000	6339.14	
mm_pl4_adj	870.14	0.0000	6576.16	0.0000	6446.05	
mm_pl5_adj	903.09	0.0000	6260.34	0.0000	6136.49	
mm_pl6_adj	812.56	0.0000	6416.62	0.0000	6289.68	
mm_pl7_adj	854.11	0.0000	6387.33	0.0000	6260.97	
mm_pl8_adj	811.89	0.0000	6784.86	0.0000	6650.63	
mm_pl9_adj	803.88	0.0000	5937.38	0.0000	5819.91	
mm_pl10_adj	782.88	0.0000	6147.20	0.0000	6025.58	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=20.85 P-val=0.0000

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 1.5e+05
 Kleibergen-Paap Wald rk F statistic 597.25

Stock-Yogo weak ID test critical values for K1=9 and L1=9: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,51)= 1.22 P-val=0.3014
 Anderson-Rubin Wald test Chi-sq(9)= 11.24 P-val=0.2596
 Stock-Wright LM S statistic Chi-sq(9)= 6.99 P-val=0.6387

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust


```

st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons

```

nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

ldwroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0015254	.0014372	-1.06	0.289	-.0043422 .0012914

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0015254

ldwroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	3.53e-17	.0014372	0.00	1.000	-.0028168 .0028168

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 11.50
Prob > chi2 = 0.2427

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 1.13
Prob > chi2 = 0.2885

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
- (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 7.31
Prob > chi2 = 0.3977

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_unemp.xls
dir : seeout

phase 2 and Phase 3 dependent variable: ldwroll48, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)		
	F(9, 51)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)	
mm_pl1_adj	901.80	0.0000		5873.01	0.0000		5756.82	
mm_pl3_adj	812.46	0.0000		6467.08	0.0000		6339.14	
mm_pl4_adj	870.14	0.0000		6576.16	0.0000		6446.05	
mm_pl5_adj	903.09	0.0000		6260.34	0.0000		6136.49	
mm_pl6_adj	812.56	0.0000		6416.62	0.0000		6289.68	
mm_pl7_adj	854.11	0.0000		6387.33	0.0000		6260.97	
mm_pl8_adj	811.89	0.0000		6784.86	0.0000		6650.63	
mm_pl9_adj	803.88	0.0000		5937.38	0.0000		5819.91	
mm_pl10_adj	782.88	0.0000		6147.20	0.0000		6025.58	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=20.85 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 597.25

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 2.33 P-val=0.0278

Anderson-Rubin Wald test Chi-sq(9)= 21.38 P-val=0.0111

Stock-Wright LM S statistic Chi-sq(9)= 9.04 P-val=0.4332

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 191505

Number of regressors K = 10

Number of endogenous regressors K1 = 9

Number of instruments L = 10

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0027964	.0013487	-2.07	0.038	-.0054397	-.0001531

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0027964

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	4.55e-17	.0013487	0.00	1.000	-.0026433	.0026433

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 22.28
 Prob > chi2 = 0.0080

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 4.30
 Prob > chi2 = 0.0381

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
- (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 13.59
 Prob > chi2 = 0.0590

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_unemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: eperoll12, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_pl1_adj	901.80	0.0000	5873.01	0.0000	5756.82	
mm_pl3_adj	812.46	0.0000	6467.08	0.0000	6339.14	

eperoll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_pl1_adj	-.0021094	.0012706	-1.66	0.097	-.0045998	.0003809
mm_pl3_adj	.0007335	.0008113	0.90	0.366	-.0008566	.0023237
mm_pl4_adj	.0003131	.0012149	0.26	0.797	-.002068	.0026942
mm_pl5_adj	-.0004502	.0011947	-0.38	0.706	-.0027919	.0018914
mm_pl6_adj	.0021253	.0010557	2.01	0.044	.0000562	.0041945
mm_pl7_adj	-.0002535	.0008137	-0.31	0.755	-.0018483	.0013413
mm_pl8_adj	.0001048	.0010632	0.10	0.921	-.001979	.0021887
mm_pl9_adj	-.0013725	.0011572	-1.19	0.236	-.0036406	.0008955
mm_pl10_adj	.0003031	.0012653	0.24	0.811	-.0021768	.0027831
phase2_st	.0040057	.002678	1.50	0.135	-.001243	.0092544

Underidentification test (Kleibergen-Paap rk LM statistic): 20.849
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
(Kleibergen-Paap rk Wald F statistic): 597.249

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj

Included instruments: phase2_st

Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0006058	.0009971	0.61	0.544	-.0013486	.0025601

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0006058

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-1.88e-17	.0009971	-0.00	1.000	-.0019544	.0019544

- (1) mm_p11_adj = 0
- (2) mm_p13_adj = 0
- (3) mm_p14_adj = 0
- (4) mm_p15_adj = 0
- (5) mm_p16_adj = 0
- (6) mm_p17_adj = 0
- (7) mm_p18_adj = 0
- (8) mm_p19_adj = 0
- (9) mm_p110_adj = 0

chi2(9) = 8.90
 Prob > chi2 = 0.4464

(1) mm_p11_adj + mm_p13_adj + mm_p14_adj + mm_p15_adj + mm_p16_adj + mm_p17_adj + mm_p18_adj + mm_p19_adj + mm_p110_adj = 0

chi2(1) = 0.37
 Prob > chi2 = 0.5435

- (1) - .5*mm_p11_adj + 1.5*mm_p13_adj - mm_p14_adj = 0
- (2) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p14_adj - mm_p15_adj = 0
- (3) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p15_adj - mm_p16_adj = 0
- (4) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p16_adj - mm_p17_adj = 0
- (5) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p17_adj - mm_p18_adj = 0
- (6) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p18_adj - mm_p19_adj = 0
- (7) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p19_adj - mm_p110_adj = 0

chi2(7) = 8.23
 Prob > chi2 = 0.3127

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_unemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: eperoll24, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_p11_adj	901.80	0.0000	5873.01	0.0000	5756.82	
mm_p13_adj	812.46	0.0000	6467.08	0.0000	6339.14	
mm_p14_adj	870.14	0.0000	6576.16	0.0000	6446.05	
mm_p15_adj	903.09	0.0000	6260.34	0.0000	6136.49	
mm_p16_adj	812.56	0.0000	6416.62	0.0000	6289.68	
mm_p17_adj	854.11	0.0000	6387.33	0.0000	6260.97	
mm_p18_adj	811.89	0.0000	6784.86	0.0000	6650.63	
mm_p19_adj	803.88	0.0000	5937.38	0.0000	5819.91	
mm_p110_adj	782.88	0.0000	6147.20	0.0000	6025.58	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53

mm_pl10_adj	-.0001291	.001524	-0.08	0.932	-.0031161	.0028579
phase2_st	.0048109	.0039702	1.21	0.226	-.0029705	.0125923

Underidentification test (Kleibergen-Paap rk LM statistic): 20.849
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
(Kleibergen-Paap rk Wald F statistic): 597.249

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl11_adj mm_pl13_adj mm_pl14_adj mm_pl15_adj mm_pl16_adj
mm_pl17_adj mm_pl18_adj mm_pl19_adj mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl11_adj imm_pl13_adj imm_pl14_adj imm_pl15_adj
imm_pl16_adj imm_pl17_adj imm_pl18_adj imm_pl19_adj
imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss imel
ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl11_adj - mm_pl13_adj - mm_pl14_adj - mm_pl15_adj - mm_pl16_adj - mm_pl17_adj
- mm_pl18_adj - mm_pl19_adj - mm_pl10_adj = 0

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0006945	.001337	0.52	0.603	-.0019259 .0033149

(1) mm_pl11_adj + mm_pl13_adj + mm_pl14_adj + mm_pl15_adj + mm_pl16_adj + mm_pl17_adj +
mm_pl18_adj + mm_pl19_adj + mm_pl10_adj = -.0006945

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-1.92e-17	.001337	-0.00	1.000	-.0026204 .0026204

- (1) mm_pl11_adj = 0
(2) mm_pl13_adj = 0
(3) mm_pl14_adj = 0
(4) mm_pl15_adj = 0
(5) mm_pl16_adj = 0
(6) mm_pl17_adj = 0

(7) mm_pl8_adj = 0
 (8) mm_pl9_adj = 0
 (9) mm_pl10_adj = 0

chi2(9) = 20.98
 Prob > chi2 = 0.0128

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 0.27
 Prob > chi2 = 0.6035

(1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
 (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
 (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
 (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
 (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
 (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
 (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 16.98
 Prob > chi2 = 0.0175

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_unemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: eperoll36, unemployment: unemp

Summary results for first-stage regressions

Variable	F(9, 51)	P-val	(Underid)		(Weak id)	
			AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_pl1_adj	901.80	0.0000	5873.01	0.0000	5756.82	
mm_pl3_adj	812.46	0.0000	6467.08	0.0000	6339.14	
mm_pl4_adj	870.14	0.0000	6576.16	0.0000	6446.05	
mm_pl5_adj	903.09	0.0000	6260.34	0.0000	6136.49	
mm_pl6_adj	812.56	0.0000	6416.62	0.0000	6289.68	
mm_pl7_adj	854.11	0.0000	6387.33	0.0000	6260.97	
mm_pl8_adj	811.89	0.0000	6784.86	0.0000	6650.63	
mm_pl9_adj	803.88	0.0000	5937.38	0.0000	5819.91	
mm_pl10_adj	782.88	0.0000	6147.20	0.0000	6025.58	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=20.85 P-val=0.0000

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 1.5e+05
 Kleibergen-Paap Wald rk F statistic 597.25

Stock-Yogo weak ID test critical values for K1=9 and L1=9: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,51)= 3.85 P-val=0.0009
 Anderson-Rubin Wald test Chi-sq(9)= 35.34 P-val=0.0001
 Stock-Wright LM S statistic Chi-sq(9)= 15.04 P-val=0.0899

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 191505
 Number of regressors K = 10
 Number of endogenous regressors K1 = 9
 Number of instruments L = 10
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 99
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 191505
 F(10, 51) = 3.47
 Prob > F = 0.0015
 Total (centered) SS = 10647.60048 Centered R2 = 0.0001
 Total (uncentered) SS = 10647.60048 Uncentered R2 = 0.0001
 Residual SS = 10646.85429 Root MSE = .2358

eperoll136	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_pl1_adj	-.0004045	.0014541	-0.28	0.781	-.0032545	.0024455
mm_pl3_adj	.0030333	.0019515	1.55	0.120	-.0007916	.0068582
mm_pl4_adj	-.0005417	.0017728	-0.31	0.760	-.0040163	.0029328
mm_pl5_adj	-.0016209	.0017479	-0.93	0.354	-.0050467	.0018049
mm_pl6_adj	.0030015	.0020805	1.44	0.149	-.0010762	.0070792
mm_pl7_adj	.000843	.0013179	0.64	0.522	-.0017401	.0034261
mm_pl8_adj	-.0004343	.0015717	-0.28	0.782	-.0035147	.0026461
mm_pl9_adj	-.0042422	.0014098	-3.01	0.003	-.0070054	-.001479
mm_pl10_adj	.0006033	.001839	0.33	0.743	-.0030012	.0042077
phase2_st	-.0006072	.004041	-0.15	0.881	-.0085273	.007313

Underidentification test (Kleibergen-Paap rk LM statistic): 20.849
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
 (Kleibergen-Paap rk Wald F statistic): 597.249
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

```

-----
Instrumented:      mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
                  mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
                      imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
                      imm_pl10_adj
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
                  ime_miss _cons
                  nb: small-sample adjustments account for
                      partialled-out variables
-----

```

```

( 1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0
-----

```

eperoll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0002374	.0015193	-0.16	0.876	-.0032152 .0027404

```

( 1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0002374
-----

```

eperoll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	2.96e-17	.0015193	0.00	1.000	-.0029778 .0029778

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

```

      chi2( 9) = 35.39
Prob > chi2 = 0.0001
-----

```

```

( 1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0
-----

```

```

      chi2( 1) = 0.02
Prob > chi2 = 0.8758
-----

```

```

( 1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
( 2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
( 3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
( 4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
( 5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
( 6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
( 7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

```

```

      chi2( 7) = 28.05
      Prob > chi2 = 0.0002

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_unemp.xls
dir : seeout

```

phase 2 and Phase 3 dependent variable: eperoll48, unemployment: unemp

Summary results for first-stage regressions

```

-----

```

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_pl1_adj	901.80	0.0000	5873.01	0.0000	5756.82	
mm_pl3_adj	812.46	0.0000	6467.08	0.0000	6339.14	
mm_pl4_adj	870.14	0.0000	6576.16	0.0000	6446.05	
mm_pl5_adj	903.09	0.0000	6260.34	0.0000	6136.49	
mm_pl6_adj	812.56	0.0000	6416.62	0.0000	6289.68	
mm_pl7_adj	854.11	0.0000	6387.33	0.0000	6260.97	
mm_pl8_adj	811.89	0.0000	6784.86	0.0000	6650.63	
mm_pl9_adj	803.88	0.0000	5937.38	0.0000	5819.91	
mm_pl10_adj	782.88	0.0000	6147.20	0.0000	6025.58	

NB: first-stage test statistics cluster-robust

```

Stock-Yogo weak ID test critical values for single endogenous regressor:
      5% maximal IV relative bias 20.53
      10% maximal IV size 16.38
      15% maximal IV size 8.96
      20% maximal IV size 6.66
      25% maximal IV size 5.53

```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

```

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
Ha: matrix has rank=K1 (identified)
Kleibergen-Paap rk LM statistic      Chi-sq(1)=20.85      P-val=0.0000

```

Weak identification test

```

Ho: equation is weakly identified
Cragg-Donald Wald F statistic      1.5e+05
Kleibergen-Paap Wald rk F statistic 597.25

```

Stock-Yogo weak ID test critical values for K1=9 and L1=9: <not available>

Weak-instrument-robust inference

```

Tests of joint significance of endogenous regressors B1 in main equation
Ho: B1=0 and orthogonality conditions are valid
Anderson-Rubin Wald test      F(9,51)= 1.82      P-val=0.0877
Anderson-Rubin Wald test      Chi-sq(9)= 16.69      P-val=0.0539

```



```

pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

```

```

-----
( 1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

```

eperoll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0013822	.0017097	-0.81	0.419	-.0047332 .0019688

```

( 1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0013822

```

eperoll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-6.51e-18	.0017097	-0.00	1.000	-.003351 .003351

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

```

chi2( 9) = 16.77
Prob > chi2 = 0.0525

```

```

( 1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

```

```

chi2( 1) = 0.65
Prob > chi2 = 0.4189

```

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
- (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

```

chi2( 7) = 12.73
Prob > chi2 = 0.0790

```


nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

twproll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0002809	.0013457	-0.21	0.835	-.0029185	.0023567

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0002809

twproll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	4.88e-18	.0013457	0.00	1.000	-.0026376	.0026376

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 1.72
Prob > chi2 = 0.9951

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 0.04
Prob > chi2 = 0.8346

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
- (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 1.69
Prob > chi2 = 0.9749

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_unemp.xls
dir : seeout

phase 2 and Phase 3 dependent variable: twproll24, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_pl1_adj	901.80	0.0000	5873.01	0.0000	5756.82	
mm_pl3_adj	812.46	0.0000	6467.08	0.0000	6339.14	
mm_pl4_adj	870.14	0.0000	6576.16	0.0000	6446.05	
mm_pl5_adj	903.09	0.0000	6260.34	0.0000	6136.49	
mm_pl6_adj	812.56	0.0000	6416.62	0.0000	6289.68	
mm_pl7_adj	854.11	0.0000	6387.33	0.0000	6260.97	
mm_pl8_adj	811.89	0.0000	6784.86	0.0000	6650.63	
mm_pl9_adj	803.88	0.0000	5937.38	0.0000	5819.91	
mm_pl10_adj	782.88	0.0000	6147.20	0.0000	6025.58	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=20.85 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 597.25

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 1.02 P-val=0.4396

Anderson-Rubin Wald test Chi-sq(9)= 9.33 P-val=0.4071

Stock-Wright LM S statistic Chi-sq(9)= 6.30 P-val=0.7100

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 191505

Number of regressors K = 10

Number of endogenous regressors K1 = 9

Number of instruments L = 10

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 191505

F(10, 51) = 1.72

Prob > F = 0.1011

Total (centered) SS = 10449.58886 Centered R2 = 0.0001
 Total (uncentered) SS = 10449.58886 Uncentered R2 = 0.0001
 Residual SS = 10448.81207 Root MSE = .2336

```
-----
```

twproll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_pl1_adj	.0024856	.0012956	1.92	0.055	-.0000537	.0050249
mm_pl3_adj	.0012328	.0013944	0.88	0.377	-.0015003	.0039659
mm_pl4_adj	-.0017989	.0017671	-1.02	0.309	-.0052623	.0016645
mm_pl5_adj	-.0029101	.0013979	-2.08	0.037	-.0056498	-.0001703
mm_pl6_adj	-.0002519	.00183	-0.14	0.891	-.0038386	.0033348
mm_pl7_adj	.0020577	.0018215	1.13	0.259	-.0015123	.0056278
mm_pl8_adj	-.0003053	.0017937	-0.17	0.865	-.003821	.0032103
mm_pl9_adj	-.0000758	.0011901	-0.06	0.949	-.0024082	.0022567
mm_pl10_adj	.0006347	.0016034	0.40	0.692	-.0025078	.0037772
phase2_st	-.0099101	.0042369	-2.34	0.019	-.0182143	-.0016059

```
-----
```

Underidentification test (Kleibergen-Paap rk LM statistic): 20.849
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
 (Kleibergen-Paap rk Wald F statistic): 597.249
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

```
-----
```

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
 mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj

Included instruments: phase2_st

Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
 imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
 imm_pl10_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

```
-----
```

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
 - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

```
-----
```

twproll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0010688	.0017408	-0.61	0.539	-.0044807	.0023431

```
-----
```

(1) mm_p11_adj + mm_p13_adj + mm_p14_adj + mm_p15_adj + mm_p16_adj + mm_p17_adj + mm_p18_adj + mm_p19_adj + mm_p110_adj = .0010688

twproll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-2.99e-17	.0017408	-0.00	1.000	-.0034119 .0034119

- (1) mm_p11_adj = 0
- (2) mm_p13_adj = 0
- (3) mm_p14_adj = 0
- (4) mm_p15_adj = 0
- (5) mm_p16_adj = 0
- (6) mm_p17_adj = 0
- (7) mm_p18_adj = 0
- (8) mm_p19_adj = 0
- (9) mm_p110_adj = 0

chi2(9) = 9.32
 Prob > chi2 = 0.4085

(1) mm_p11_adj + mm_p13_adj + mm_p14_adj + mm_p15_adj + mm_p16_adj + mm_p17_adj + mm_p18_adj + mm_p19_adj + mm_p110_adj = 0

chi2(1) = 0.38
 Prob > chi2 = 0.5392

- (1) -.5*mm_p11_adj + 1.5*mm_p13_adj - mm_p14_adj = 0
- (2) -.5*mm_p11_adj + .5*mm_p13_adj + mm_p14_adj - mm_p15_adj = 0
- (3) -.5*mm_p11_adj + .5*mm_p13_adj + mm_p15_adj - mm_p16_adj = 0
- (4) -.5*mm_p11_adj + .5*mm_p13_adj + mm_p16_adj - mm_p17_adj = 0
- (5) -.5*mm_p11_adj + .5*mm_p13_adj + mm_p17_adj - mm_p18_adj = 0
- (6) -.5*mm_p11_adj + .5*mm_p13_adj + mm_p18_adj - mm_p19_adj = 0
- (7) -.5*mm_p11_adj + .5*mm_p13_adj + mm_p19_adj - mm_p110_adj = 0

chi2(7) = 9.30
 Prob > chi2 = 0.2316

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_unemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: twproll36, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_p11_adj	901.80	0.0000	5873.01	0.0000	5756.82	
mm_p13_adj	812.46	0.0000	6467.08	0.0000	6339.14	
mm_p14_adj	870.14	0.0000	6576.16	0.0000	6446.05	
mm_p15_adj	903.09	0.0000	6260.34	0.0000	6136.49	
mm_p16_adj	812.56	0.0000	6416.62	0.0000	6289.68	
mm_p17_adj	854.11	0.0000	6387.33	0.0000	6260.97	
mm_p18_adj	811.89	0.0000	6784.86	0.0000	6650.63	
mm_p19_adj	803.88	0.0000	5937.38	0.0000	5819.91	
mm_p110_adj	782.88	0.0000	6147.20	0.0000	6025.58	

mm_pl6_adj	-.0013934	.0019382	-0.72	0.472	-.0051922	.0024054
mm_pl7_adj	.0022132	.0021382	1.04	0.301	-.0019776	.0064041
mm_pl8_adj	-.0018937	.001983	-0.95	0.340	-.0057802	.0019929
mm_pl9_adj	-.0005192	.0016426	-0.32	0.752	-.0037387	.0027004
mm_pl10_adj	-.000119	.0019701	-0.06	0.952	-.0039804	.0037423
phase2_st	-.0147489	.0060074	-2.46	0.014	-.0265233	-.0029746

Underidentification test (Kleibergen-Paap rk LM statistic): 20.849
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
(Kleibergen-Paap rk Wald F statistic): 597.249
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl11_adj mm_pl13_adj mm_pl14_adj mm_pl15_adj mm_pl16_adj
mm_pl17_adj mm_pl18_adj mm_pl19_adj mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl11_adj imm_pl13_adj imm_pl14_adj imm_pl15_adj
imm_pl16_adj imm_pl17_adj imm_pl18_adj imm_pl19_adj
imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl11_adj - mm_pl13_adj - mm_pl14_adj - mm_pl15_adj - mm_pl16_adj - mm_pl17_adj
- mm_pl18_adj - mm_pl19_adj - mm_pl10_adj = 0

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0008232	.001589	-0.52	0.604	-.0039375 .0022911

(1) mm_pl11_adj + mm_pl13_adj + mm_pl14_adj + mm_pl15_adj + mm_pl16_adj + mm_pl17_adj +
mm_pl18_adj + mm_pl19_adj + mm_pl10_adj = .0008232

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	2.10e-17	.001589	0.00	1.000	-.0031143 .0031143

(1) mm_pl11_adj = 0
(2) mm_pl13_adj = 0

(3) mm_pl4_adj = 0
 (4) mm_pl5_adj = 0
 (5) mm_pl6_adj = 0
 (6) mm_pl7_adj = 0
 (7) mm_pl8_adj = 0
 (8) mm_pl9_adj = 0
 (9) mm_pl10_adj = 0

chi2(9) = 8.20
 Prob > chi2 = 0.5144

(1) mm_pl11_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 0.27
 Prob > chi2 = 0.6044

(1) - .5*mm_pl11_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
 (2) - .5*mm_pl11_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
 (3) - .5*mm_pl11_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
 (4) - .5*mm_pl11_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
 (5) - .5*mm_pl11_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
 (6) - .5*mm_pl11_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
 (7) - .5*mm_pl11_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 6.25
 Prob > chi2 = 0.5110

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_unemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: twproll48, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_pl11_adj	901.80	0.0000	5873.01	0.0000	5756.82	
mm_pl3_adj	812.46	0.0000	6467.08	0.0000	6339.14	
mm_pl4_adj	870.14	0.0000	6576.16	0.0000	6446.05	
mm_pl5_adj	903.09	0.0000	6260.34	0.0000	6136.49	
mm_pl6_adj	812.56	0.0000	6416.62	0.0000	6289.68	
mm_pl7_adj	854.11	0.0000	6387.33	0.0000	6260.97	
mm_pl8_adj	811.89	0.0000	6784.86	0.0000	6650.63	
mm_pl9_adj	803.88	0.0000	5937.38	0.0000	5819.91	
mm_pl10_adj	782.88	0.0000	6147.20	0.0000	6025.58	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.000682	.0016248	-0.42	0.675	-.0038666 .0025025

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .000682

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-4.11e-17	.0016248	-0.00	1.000	-.0031846 .0031846

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 5.08
Prob > chi2 = 0.8273

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 0.18
 Prob > chi2 = 0.6747

(1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
 (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
 (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
 (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
 (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
 (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
 (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 4.51
 Prob > chi2 = 0.7194

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_unemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: srvroll12, unemployment: unemp

Summary results for first-stage regressions

Variable	F(9, 51)	P-val	(Underid)		(Weak id)	
			AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_pl1_adj	901.80	0.0000	5873.01	0.0000	5756.82	
mm_pl3_adj	812.46	0.0000	6467.08	0.0000	6339.14	
mm_pl4_adj	870.14	0.0000	6576.16	0.0000	6446.05	
mm_pl5_adj	903.09	0.0000	6260.34	0.0000	6136.49	
mm_pl6_adj	812.56	0.0000	6416.62	0.0000	6289.68	
mm_pl7_adj	854.11	0.0000	6387.33	0.0000	6260.97	
mm_pl8_adj	811.89	0.0000	6784.86	0.0000	6650.63	
mm_pl9_adj	803.88	0.0000	5937.38	0.0000	5819.91	
mm_pl10_adj	782.88	0.0000	6147.20	0.0000	6025.58	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=20.85 P-val=0.0000

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 1.5e+05
 Kleibergen-Paap Wald rk F statistic 597.25

Stock-Yogo weak ID test critical values for K1=9 and L1=9: <not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,51)=	6.22	P-val=0.0000
Anderson-Rubin Wald test	Chi-sq(9)=	57.11	P-val=0.0000
Stock-Wright LM S statistic	Chi-sq(9)=	16.58	P-val=0.0557

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	191505
Number of regressors	K =	10
Number of endogenous regressors	K1 =	9
Number of instruments	L =	10
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	191505
		F(10, 51) =	5.91
		Prob > F =	0.0000
Total (centered) SS =	3434.428894	Centered R2 =	0.0006
Total (uncentered) SS =	3434.428894	Uncentered R2 =	0.0006
Residual SS =	3432.433351	Root MSE =	.1339

srvroll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_p11_adj	.0040024	.0007556	5.30	0.000	.0025215	.0054834
mm_p13_adj	.0024712	.0010236	2.41	0.016	.0004651	.0044774
mm_p14_adj	.0020523	.000737	2.78	0.005	.0006078	.0034968
mm_p15_adj	.0009876	.0010139	0.97	0.330	-.0009996	.0029748
mm_p16_adj	-.0000115	.0008797	-0.01	0.990	-.0017358	.0017128
mm_p17_adj	-.0003072	.0006372	-0.48	0.630	-.001556	.0009417
mm_p18_adj	-.001238	.0010513	-1.18	0.239	-.0032986	.0008225
mm_p19_adj	-.00224	.0010154	-2.21	0.027	-.0042301	-.0002499
mm_pl10_adj	-.0029074	.000982	-2.96	0.003	-.0048322	-.0009827
phase2_st	-.0008766	.0021732	-0.40	0.687	-.0051359	.0033828

Underidentification test (Kleibergen-Paap rk LM statistic): 20.849
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
(Kleibergen-Paap rk Wald F statistic): 597.249

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_p11_adj mm_p13_adj mm_p14_adj mm_p15_adj mm_p16_adj
mm_p17_adj mm_p18_adj mm_p19_adj mm_pl10_adj

Included instruments: phase2_st

Excluded instruments: imm_p11_adj imm_p13_adj imm_p14_adj imm_p15_adj
imm_p16_adj imm_p17_adj imm_p18_adj imm_p19_adj
imm_pl10_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
 - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0028093	.0010099	-2.78	0.005	-.0047887 - .0008299

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
 mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0028093

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	2.39e-17	.0010099	0.00	1.000	-.0019794 .0019794

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 58.30
 Prob > chi2 = 0.0000

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
 mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 7.74
 Prob > chi2 = 0.0054

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0

st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss_cons

nb: small-sample adjustments account for
 partialled-out variables

 (1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
 - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

srvroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0019498	.0012111	-1.61	0.107	-.0043236 .000424

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
 mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0019498

srvroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-3.60e-17	.0012111	-0.00	1.000	-.0023738 .0023738

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 32.52
 Prob > chi2 = 0.0002

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
 mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 2.59
 Prob > chi2 = 0.1074

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
- (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 4.93
 Prob > chi2 = 0.6681

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_unemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: srvroll36, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_pl1_adj	901.80	0.0000	5873.01	0.0000	5756.82	
mm_pl3_adj	812.46	0.0000	6467.08	0.0000	6339.14	
mm_pl4_adj	870.14	0.0000	6576.16	0.0000	6446.05	
mm_pl5_adj	903.09	0.0000	6260.34	0.0000	6136.49	
mm_pl6_adj	812.56	0.0000	6416.62	0.0000	6289.68	
mm_pl7_adj	854.11	0.0000	6387.33	0.0000	6260.97	
mm_pl8_adj	811.89	0.0000	6784.86	0.0000	6650.63	
mm_pl9_adj	803.88	0.0000	5937.38	0.0000	5819.91	
mm_pl10_adj	782.88	0.0000	6147.20	0.0000	6025.58	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=20.85 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 597.25

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 1.36 P-val=0.2287

Anderson-Rubin Wald test Chi-sq(9)= 12.53 P-val=0.1850

Stock-Wright LM S statistic Chi-sq(9)= 7.23 P-val=0.6134

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 191505

Number of regressors K = 10

Number of endogenous regressors K1 = 9

Number of instruments L = 10

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) =      52                Number of obs =    191505
                                                    F( 10,   51) =     4.99
                                                    Prob > F       =    0.0000
Total (centered) SS      =  4347.405533              Centered R2     =    0.0003
Total (uncentered) SS  =  4347.405533              Uncentered R2  =    0.0003
Residual SS             =  4346.060265              Root MSE       =     .1506

```

```

-----
      |               |               |               |               |               |               |
      |   Coef.        |   Robust      |               |   P>|z|       |   [95% Conf. Interval]
      |-----+-----|-----+-----|-----+-----|-----+-----|
      |   srvroll36   |               |               |               |               |               |
mm_pl1_adj |   .0022531     |   .000864     |   2.61        |   0.009       |   .0005597   |   .0039465
mm_pl3_adj |   .0021035     |   .0010118    |   2.08        |   0.038       |   .0001204   |   .0040866
mm_pl4_adj |  -.0009192     |   .0009275    |  -0.99       |   0.322       |  -.0027371   |   .0008987
mm_pl5_adj |  -.0009247     |   .0009787    |  -0.94       |   0.345       |  -.002843    |   .0009936
mm_pl6_adj |  -.0001833     |   .0011963    |  -0.15       |   0.878       |  -.002528    |   .0021614
mm_pl7_adj |  -.0001383     |   .0010054    |  -0.14       |   0.891       |  -.0021089   |   .0018322
mm_pl8_adj |  -.0006296     |   .0015546    |  -0.40       |   0.686       |  -.0036765   |   .0024174
mm_pl9_adj |  -.0008142     |   .0011635    |  -0.70       |   0.484       |  -.0030946   |   .0014662
mm_pl10_adj|  -.0000492     |   .0009247    |  -0.05       |   0.958       |  -.0018616   |   .0017631
phase2_st  |  -.0139733     |   .0031484    |  -4.44       |   0.000       |  -.020144    |  -.0078026
-----

```

```

Underidentification test (Kleibergen-Paap rk LM statistic):      20.849
                                                    Chi-sq(1) P-val =    0.0000

```

```

Weak identification test (Cragg-Donald Wald F statistic):      1.5e+05
(Kleibergen-Paap rk Wald F statistic):      597.249
Stock-Yogo weak ID test critical values:      <not available>

```

```

Hansen J statistic (overidentification test of all instruments):      0.000
(equation exactly identified)

```

```

-----
Instrumented:      mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
                  mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
                    imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
                    imm_pl10_adj
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
                  ime_miss_cons
                  nb: small-sample adjustments account for
                  partialled-out variables
-----

```

```

( 1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0
-----

```

srvroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0006981	.0012808	-0.55	0.586	-.0032084	.0018122

(1) mm_p11_adj + mm_p13_adj + mm_p14_adj + mm_p15_adj + mm_p16_adj + mm_p17_adj + mm_p18_adj + mm_p19_adj + mm_p110_adj = .0006981

srvroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-2.39e-18	.0012808	-0.00	1.000	-.0025103	.0025103

- (1) mm_p11_adj = 0
- (2) mm_p13_adj = 0
- (3) mm_p14_adj = 0
- (4) mm_p15_adj = 0
- (5) mm_p16_adj = 0
- (6) mm_p17_adj = 0
- (7) mm_p18_adj = 0
- (8) mm_p19_adj = 0
- (9) mm_p110_adj = 0

chi2(9) = 12.69
Prob > chi2 = 0.1773

(1) mm_p11_adj + mm_p13_adj + mm_p14_adj + mm_p15_adj + mm_p16_adj + mm_p17_adj + mm_p18_adj + mm_p19_adj + mm_p110_adj = 0

chi2(1) = 0.30
Prob > chi2 = 0.5857

- (1) -.5*mm_p11_adj + 1.5*mm_p13_adj - mm_p14_adj = 0
- (2) -.5*mm_p11_adj + .5*mm_p13_adj + mm_p14_adj - mm_p15_adj = 0
- (3) -.5*mm_p11_adj + .5*mm_p13_adj + mm_p15_adj - mm_p16_adj = 0
- (4) -.5*mm_p11_adj + .5*mm_p13_adj + mm_p16_adj - mm_p17_adj = 0
- (5) -.5*mm_p11_adj + .5*mm_p13_adj + mm_p17_adj - mm_p18_adj = 0
- (6) -.5*mm_p11_adj + .5*mm_p13_adj + mm_p18_adj - mm_p19_adj = 0
- (7) -.5*mm_p11_adj + .5*mm_p13_adj + mm_p19_adj - mm_p110_adj = 0

chi2(7) = 7.22
Prob > chi2 = 0.4066

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_unemp.xls
dir : seeout

phase 2 and Phase 3 dependent variable: srvroll48, unemployment: unemp

Summary results for first-stage regressions

Variable	F(9, 51)	P-val	(Underid)		(Weak id)	
			AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_p11_adj	901.80	0.0000	5873.01	0.0000	5756.82	
mm_p13_adj	812.46	0.0000	6467.08	0.0000	6339.14	
mm_p14_adj	870.14	0.0000	6576.16	0.0000	6446.05	
mm_p15_adj	903.09	0.0000	6260.34	0.0000	6136.49	
mm_p16_adj	812.56	0.0000	6416.62	0.0000	6289.68	
mm_p17_adj	854.11	0.0000	6387.33	0.0000	6260.97	

mm_pl1_adj	.0024573	.0009295	2.64	0.008	.0006355	.004279
mm_pl3_adj	.0011848	.0009115	1.30	0.194	-.0006017	.0029713
mm_pl4_adj	-.0008827	.0008429	-1.05	0.295	-.0025347	.0007694
mm_pl5_adj	.0000333	.0009097	0.04	0.971	-.0017497	.0018163
mm_pl6_adj	-.0013412	.0010857	-1.24	0.217	-.0034692	.0007868
mm_pl7_adj	-.0004075	.0009242	-0.44	0.659	-.002219	.0014039
mm_pl8_adj	.0001017	.0013088	0.08	0.938	-.0024635	.0026669
mm_pl9_adj	-.0006226	.0011087	-0.56	0.574	-.0027956	.0015505
mm_pl10_adj	-.0001226	.0008923	-0.14	0.891	-.0018715	.0016263
phase2_st	-.0132378	.0028278	-4.68	0.000	-.0187802	-.0076954

Underidentification test (Kleibergen-Paap rk LM statistic): 20.849
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
(Kleibergen-Paap rk Wald F statistic): 597.249
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

srvroll148	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0004005	.0012398	-0.32	0.747	-.0028305 .0020295

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0004005

srvroll148	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-2.50e-17	.0012398	-0.00	1.000	-.00243 .00243

```

-----
( 1) mm_pl1_adj = 0
( 2) mm_pl3_adj = 0
( 3) mm_pl4_adj = 0
( 4) mm_pl5_adj = 0
( 5) mm_pl6_adj = 0
( 6) mm_pl7_adj = 0
( 7) mm_pl8_adj = 0
( 8) mm_pl9_adj = 0
( 9) mm_pl10_adj = 0

```

```

      chi2( 9) =    14.69
Prob > chi2 =    0.0999

```

```

( 1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

```

```

      chi2( 1) =     0.10
Prob > chi2 =    0.7467

```

```

( 1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
( 2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
( 3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
( 4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
( 5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
( 6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
( 7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

```

```

      chi2( 7) =     8.08
Prob > chi2 =    0.3257

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_unemp.xls
dir : seeout

```

phase 2 and Phase 3 dependent variable: nstw12, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)	
	F(9, 51)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)
mm_pl1_adj	901.80	0.0000		5873.01	0.0000		5756.82
mm_pl3_adj	812.46	0.0000		6467.08	0.0000		6339.14
mm_pl4_adj	870.14	0.0000		6576.16	0.0000		6446.05
mm_pl5_adj	903.09	0.0000		6260.34	0.0000		6136.49
mm_pl6_adj	812.56	0.0000		6416.62	0.0000		6289.68
mm_pl7_adj	854.11	0.0000		6387.33	0.0000		6260.97
mm_pl8_adj	811.89	0.0000		6784.86	0.0000		6650.63
mm_pl9_adj	803.88	0.0000		5937.38	0.0000		5819.91
mm_pl10_adj	782.88	0.0000		6147.20	0.0000		6025.58

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
(Kleibergen-Paap rk Wald F statistic): 597.249
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

nstwl2	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0022121	.0061717	0.36	0.720	-.0098842 .0143084

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0022121

nstwl2	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-5.64e-18	.0061717	-0.00	1.000	-.0120963 .0120963

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 25.28
 Prob > chi2 = 0.0027

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
 mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 0.13
 Prob > chi2 = 0.7200

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
- (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 23.04
 Prob > chi2 = 0.0017

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_unemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: nstw24, unemployment: unemp

Summary results for first-stage regressions

Variable	F(9, 51)		P-val	(Underid)		(Weak id)	
	AP	Chi-sq(1)		AP	F(1, 51)		
mm_pl1_adj	901.80	0.0000	5873.01	0.0000	5756.82		
mm_pl3_adj	812.46	0.0000	6467.08	0.0000	6339.14		
mm_pl4_adj	870.14	0.0000	6576.16	0.0000	6446.05		
mm_pl5_adj	903.09	0.0000	6260.34	0.0000	6136.49		
mm_pl6_adj	812.56	0.0000	6416.62	0.0000	6289.68		
mm_pl7_adj	854.11	0.0000	6387.33	0.0000	6260.97		
mm_pl8_adj	811.89	0.0000	6784.86	0.0000	6650.63		
mm_pl9_adj	803.88	0.0000	5937.38	0.0000	5819.91		
mm_pl10_adj	782.88	0.0000	6147.20	0.0000	6025.58		

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=20.85 P-val=0.0000

Weak identification test

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 1.5e+05
 Kleibergen-Paap Wald rk F statistic 597.25

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 2.14 P-val=0.0430

Anderson-Rubin Wald test Chi-sq(9)= 19.62 P-val=0.0204

Stock-Wright LM S statistic Chi-sq(9)= 9.96 P-val=0.3541

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 191505

Number of regressors K = 10

Number of endogenous regressors K1 = 9

Number of instruments L = 10

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52

Number of obs = 191505

F(10, 51) = 11.40

Prob > F = 0.0000

Centered R2 = 0.0003

Uncentered R2 = 0.0003

Root MSE = 2.455

Total (centered) SS = 1154408.756

Total (uncentered) SS = 1154408.756

Residual SS = 1154033.628

nstw24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_pl1_adj	-.0332469	.0167455	-1.99	0.047	-.0660675	-.0004262
mm_pl3_adj	.0283968	.0136632	2.08	0.038	.0016174	.0551762
mm_pl4_adj	-.0140233	.015499	-0.90	0.366	-.0444007	.0163542
mm_pl5_adj	-.0152254	.018481	-0.82	0.410	-.0514475	.0209968
mm_pl6_adj	-.012775	.0176575	-0.72	0.469	-.047383	.021833
mm_pl7_adj	-.0192829	.018391	-1.05	0.294	-.0553285	.0167627
mm_pl8_adj	.0332074	.0196578	1.69	0.091	-.0053211	.0717359
mm_pl9_adj	.0071437	.015181	0.47	0.638	-.0226104	.0368979
mm_pl10_adj	.0148961	.0174943	0.85	0.395	-.0193922	.0491844
phase2_st	.2766379	.0402795	6.87	0.000	.1976915	.3555843

Underidentification test (Kleibergen-Paap rk LM statistic): 20.849
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
(Kleibergen-Paap rk Wald F statistic): 597.249

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj

Included instruments: phase2_st

Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0109093	.0170265	0.64	0.522	-.022462	.0442807

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0109093

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-2.78e-17	.0170265	-0.00	1.000	-.0333713	.0333713

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 19.90
Prob > chi2 = 0.0185

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 0.41
Prob > chi2 = 0.5217

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0

(4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
 (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
 (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
 (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 19.14
 Prob > chi2 = 0.0078

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_unemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: nstw36, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_pl1_adj	901.80	0.0000	5873.01	0.0000	5756.82	
mm_pl3_adj	812.46	0.0000	6467.08	0.0000	6339.14	
mm_pl4_adj	870.14	0.0000	6576.16	0.0000	6446.05	
mm_pl5_adj	903.09	0.0000	6260.34	0.0000	6136.49	
mm_pl6_adj	812.56	0.0000	6416.62	0.0000	6289.68	
mm_pl7_adj	854.11	0.0000	6387.33	0.0000	6260.97	
mm_pl8_adj	811.89	0.0000	6784.86	0.0000	6650.63	
mm_pl9_adj	803.88	0.0000	5937.38	0.0000	5819.91	
mm_pl10_adj	782.88	0.0000	6147.20	0.0000	6025.58	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=20.85 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 597.25

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 1.34 P-val=0.2409

Anderson-Rubin Wald test Chi-sq(9)= 12.29 P-val=0.1973

Stock-Wright LM S statistic Chi-sq(9)= 8.09 P-val=0.5252

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust


```

st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons

```

nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.013186	.0290766	0.45	0.650	-.0438032 .0701751

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.013186

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-4.68e-17	.0290766	-0.00	1.000	-.0569891 .0569891

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 12.38
Prob > chi2 = 0.1929

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 0.21
Prob > chi2 = 0.6502

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
- (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 11.28
Prob > chi2 = 0.1269

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_unemp.xls
dir : seeout

phase 2 and Phase 3 dependent variable: nstw48, unemployment: unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)		
	F(9, 51)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)	
mm_pl1_adj	901.80	0.0000		5873.01	0.0000		5756.82	
mm_pl3_adj	812.46	0.0000		6467.08	0.0000		6339.14	
mm_pl4_adj	870.14	0.0000		6576.16	0.0000		6446.05	
mm_pl5_adj	903.09	0.0000		6260.34	0.0000		6136.49	
mm_pl6_adj	812.56	0.0000		6416.62	0.0000		6289.68	
mm_pl7_adj	854.11	0.0000		6387.33	0.0000		6260.97	
mm_pl8_adj	811.89	0.0000		6784.86	0.0000		6650.63	
mm_pl9_adj	803.88	0.0000		5937.38	0.0000		5819.91	
mm_pl10_adj	782.88	0.0000		6147.20	0.0000		6025.58	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=20.85 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 597.25

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 1.06 P-val=0.4065

Anderson-Rubin Wald test Chi-sq(9)= 9.75 P-val=0.3713

Stock-Wright LM S statistic Chi-sq(9)= 6.53 P-val=0.6857

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 191505

Number of regressors K = 10

Number of endogenous regressors K1 = 9

Number of instruments L = 10

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0237157	.041882	0.57	0.571	-.0583716 .1058031

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0237157

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	3.12e-17	.041882	0.00	1.000	-.0820873 .0820873

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 9.86
 Prob > chi2 = 0.3622

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 0.32
 Prob > chi2 = 0.5712

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
- (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 9.38
 Prob > chi2 = 0.2266

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_unemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: ldwroll12, unemployment:
 unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(18, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_pl1_adj	855.85	0.0000	1641.18	0.0000	1608.64	


```

diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
( 1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

```

ldwroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0003338	.0010383	0.32	0.748	-.0017012 .0023688

```

( 1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0003338

```

ldwroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	4.78e-17	.0010383	0.00	1.000	-.002035 .002035

```

( 1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
0

```

ldwroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0022624	.0022901	-0.99	0.323	-.0067509 .0022261

```

( 1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
.0022624

```

ldwroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	2.04e-17	.0022901	0.00	1.000	-.0044885 .0044885

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

```

chi2( 9) = 30.28
Prob > chi2 = 0.0004

```

(1) int_mm_pl1_adj = 0
 (2) int_mm_pl3_adj = 0
 (3) int_mm_pl4_adj = 0
 (4) int_mm_pl5_adj = 0
 (5) int_mm_pl6_adj = 0
 (6) int_mm_pl7_adj = 0
 (7) int_mm_pl8_adj = 0
 (8) int_mm_pl9_adj = 0
 (9) int_mm_pl10_adj = 0

chi2(9) = 8.53
 Prob > chi2 = 0.4821

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_interaction_unemp.xls

dir : seeout

2 and phase 3 with interactions dependent variable: ldwroll24, unemployment:
 unemp

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(18, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_pl1_adj	855.85	0.0000	1641.18	0.0000	1608.64	
mm_pl3_adj	492.47	0.0000	2649.88	0.0000	2597.33	
mm_pl4_adj	500.48	0.0000	2919.16	0.0000	2861.28	
mm_pl5_adj	453.92	0.0000	2923.38	0.0000	2865.41	
mm_pl6_adj	406.87	0.0000	3182.87	0.0000	3119.76	
mm_pl7_adj	404.00	0.0000	2946.37	0.0000	2887.94	
mm_pl8_adj	422.41	0.0000	3150.09	0.0000	3087.62	
mm_pl9_adj	484.40	0.0000	2977.40	0.0000	2918.36	
mm_pl10_adj	508.29	0.0000	2961.46	0.0000	2902.73	
int_mm_pl1_a	499.91	0.0000	2938.93	0.0000	2880.66	
int_mm_pl3_a	446.42	0.0000	3643.89	0.0000	3571.63	
int_mm_pl4_a	393.69	0.0000	4123.12	0.0000	4041.36	
int_mm_pl5_a	358.50	0.0000	3598.75	0.0000	3527.39	
int_mm_pl6_a	443.76	0.0000	3900.60	0.0000	3823.25	
int_mm_pl7_a	448.42	0.0000	4160.51	0.0000	4078.00	
int_mm_pl8_a	443.05	0.0000	3582.26	0.0000	3511.22	
int_mm_pl9_a	470.37	0.0000	3562.84	0.0000	3492.19	
int_mm_pl10_a	371.09	0.0000	3793.93	0.0000	3718.69	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	21.34
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=18.05 P-val=0.0000

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 39947.89
 Kleibergen-Paap Wald rk F statistic 199.26

Stock-Yogo weak ID test critical values for K1=18 and L1=18: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(18,51)= 1.66 P-val=0.0785
 Anderson-Rubin Wald test Chi-sq(18)= 30.57 P-val=0.0322
 Stock-Wright LM S statistic Chi-sq(18)= 14.19 P-val=0.7167

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 191505
 Number of regressors K = 19
 Number of endogenous regressors K1 = 18
 Number of instruments L = 19
 Number of excluded instruments L1 = 18
 Number of partialled-out regressors/IVs = 99
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 191505
 F(19, 51) = 1.97
 Prob > F = 0.0281
 Total (centered) SS = 5834.168168 Centered R2 = 0.0001
 Total (uncentered) SS = 5834.168168 Uncentered R2 = 0.0001
 Residual SS = 5833.426383 Root MSE = .1745

ldwroll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_p11_adj	-.0018931	.001259	-1.50	0.133	-.0043607	.0005746
mm_p13_adj	.0026828	.0013844	1.94	0.053	-.0000305	.0053962
mm_p14_adj	.0006637	.0010595	0.63	0.531	-.0014128	.0027402
mm_p15_adj	.0004376	.0017026	0.26	0.797	-.0028994	.0037747
mm_p16_adj	-.0008292	.0018731	-0.44	0.658	-.0045005	.002842
mm_p17_adj	.0019347	.0015005	1.29	0.197	-.0010062	.0048757
mm_p18_adj	.001314	.0012277	1.07	0.284	-.0010922	.0037202
mm_p19_adj	-.0034091	.0013827	-2.47	0.014	-.0061191	-.0006992
mm_p110_adj	.0001838	.001787	0.10	0.918	-.0033186	.0036862
int_mm_p11_adj	.0025029	.0023132	1.08	0.279	-.0020309	.0070366
int_mm_p13_adj	-.0025132	.0022283	-1.13	0.259	-.0068805	.0018541
int_mm_p14_adj	.0018635	.0018458	1.01	0.313	-.0017542	.0054811
int_mm_p15_adj	-.0012826	.0028186	-0.46	0.649	-.0068069	.0042418
int_mm_p16_adj	.0009855	.0027779	0.35	0.723	-.004459	.0064301
int_mm_p17_adj	-.0009097	.0021096	-0.43	0.666	-.0050445	.0032251
int_mm_p18_adj	.0000353	.002123	0.02	0.987	-.0041257	.0041962
int_mm_p19_adj	.0034837	.0021351	1.63	0.103	-.000701	.0076685
int_mm_p110_adj	-.0025954	.0028944	-0.90	0.370	-.0082682	.0030775
phase2_st	.0067319	.003672	1.83	0.067	-.0004652	.0139289

Underidentification test (Kleibergen-Paap rk LM statistic): 18.052
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 4.0e+04
 (Kleibergen-Paap rk Wald F statistic): 199.261
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
 mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
 int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
 int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
 int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj

Included instruments: phase2_st

Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
 imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
 imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
 int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
 int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
 int_imm_pl10_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
 - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0010853	.0010938	-0.99	0.321	-.0032291 .0010584

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
 mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0010853

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-4.23e-17	.0010938	-0.00	1.000	-.0021437 .0021437

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
 int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
 0

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0015701	.0022562	-0.70	0.486	-.0059922	.002852

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
.0015701

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	1.30e-18	.0022562	0.00	1.000	-.0044221	.0044221

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 20.28
Prob > chi2 = 0.0163

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 11.29
Prob > chi2 = 0.2561

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_interaction_unemp.xls
dir : seeout

2 and phase 3 with interactions dependent variable: ldwroll36, unemployment:
unemp

Summary results for first-stage regressions

Variable	F(18, 51)	P-val	(Underid)		(Weak id)	
			AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_pl1_adj	855.85	0.0000	1641.18	0.0000	1608.64	
mm_pl3_adj	492.47	0.0000	2649.88	0.0000	2597.33	
mm_pl4_adj	500.48	0.0000	2919.16	0.0000	2861.28	
mm_pl5_adj	453.92	0.0000	2923.38	0.0000	2865.41	
mm_pl6_adj	406.87	0.0000	3182.87	0.0000	3119.76	
mm_pl7_adj	404.00	0.0000	2946.37	0.0000	2887.94	

Total (centered) SS	=	8284.602814	Prob > F	=	0.0363
Total (uncentered) SS	=	8284.602814	Centered R2	=	0.0001
Residual SS	=	8283.532931	Uncentered R2	=	0.0001
			Root MSE	=	.208

ldwroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_pl1_adj	-.0012663	.0014979	-0.85	0.398	-.0042021	.0016696
mm_pl3_adj	.0046608	.0024128	1.93	0.053	-.0000681	.0093897
mm_pl4_adj	-.0004245	.0017214	-0.25	0.805	-.0037984	.0029495
mm_pl5_adj	-.0007643	.0016757	-0.46	0.648	-.0040486	.0025199
mm_pl6_adj	-.0002236	.002389	-0.09	0.925	-.004906	.0044588
mm_pl7_adj	.0029791	.0019342	1.54	0.123	-.0008118	.00677
mm_pl8_adj	.0009266	.0014461	0.64	0.522	-.0019078	.0037609
mm_pl9_adj	-.0041528	.0015576	-2.67	0.008	-.0072056	-.0011001
mm_pl10_adj	-.0009915	.0022875	-0.43	0.665	-.0054749	.0034919
int_mm_pl1_adj	.0014427	.0024813	0.58	0.561	-.0034205	.0063058
int_mm_pl3_adj	-.0068106	.0031488	-2.16	0.031	-.0129822	-.0006391
int_mm_pl4_adj	.0029397	.002591	1.13	0.257	-.0021386	.0080179
int_mm_pl5_adj	.0005182	.0027558	0.19	0.851	-.0048829	.0059194
int_mm_pl6_adj	.0019364	.0034718	0.56	0.577	-.0048682	.008741
int_mm_pl7_adj	-.0013562	.0028698	-0.47	0.637	-.0069809	.0042685
int_mm_pl8_adj	-.0010971	.0024185	-0.45	0.650	-.0058374	.0036431
int_mm_pl9_adj	.0059992	.002335	2.57	0.010	.0014226	.0105757
int_mm_pl10_adj	-.0011703	.0036945	-0.32	0.751	-.0084114	.0060709
phase2_st	.0063587	.0043237	1.47	0.141	-.0021157	.014833

Underidentification test (Kleibergen-Paap rk LM statistic): 18.052
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 4.0e+04
(Kleibergen-Paap rk Wald F statistic): 199.261

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj

Included instruments: phase2_st

Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM

st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss_cons

nb: small-sample adjustments account for
 partialled-out variables

 (1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
 - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

ldwroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0007435	.0018072	-0.41	0.681	-.0042856 .0027986

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
 mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0007435

ldwroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	1.91e-17	.0018072	0.00	1.000	-.0035421 .0035421

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
 int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
 0

ldwroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0024019	.0026308	-0.91	0.361	-.0075581 .0027543

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
 int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
 .0024019

ldwroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-2.95e-17	.0026308	-0.00	1.000	-.0051562 .0051562

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 19.54
 Prob > chi2 = 0.0210

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0

```
( 5) int_mm_pl6_adj = 0
( 6) int_mm_pl7_adj = 0
( 7) int_mm_pl8_adj = 0
( 8) int_mm_pl9_adj = 0
( 9) int_mm_pl10_adj = 0
```

```
chi2( 9) = 11.74
Prob > chi2 = 0.2286
```

```
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_interaction_unemp.xls
dir : seeout
```

```
***2 and phase 3 with interactions*** dependent variable: ldwroll48, unemployment:
unemp
```

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(18, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_pl1_adj	855.85	0.0000	1641.18	0.0000	1608.64	
mm_pl3_adj	492.47	0.0000	2649.88	0.0000	2597.33	
mm_pl4_adj	500.48	0.0000	2919.16	0.0000	2861.28	
mm_pl5_adj	453.92	0.0000	2923.38	0.0000	2865.41	
mm_pl6_adj	406.87	0.0000	3182.87	0.0000	3119.76	
mm_pl7_adj	404.00	0.0000	2946.37	0.0000	2887.94	
mm_pl8_adj	422.41	0.0000	3150.09	0.0000	3087.62	
mm_pl9_adj	484.40	0.0000	2977.40	0.0000	2918.36	
mm_pl10_adj	508.29	0.0000	2961.46	0.0000	2902.73	
int_mm_pl1_a	499.91	0.0000	2938.93	0.0000	2880.66	
int_mm_pl3_a	446.42	0.0000	3643.89	0.0000	3571.63	
int_mm_pl4_a	393.69	0.0000	4123.12	0.0000	4041.36	
int_mm_pl5_a	358.50	0.0000	3598.75	0.0000	3527.39	
int_mm_pl6_a	443.76	0.0000	3900.60	0.0000	3823.25	
int_mm_pl7_a	448.42	0.0000	4160.51	0.0000	4078.00	
int_mm_pl8_a	443.05	0.0000	3582.26	0.0000	3511.22	
int_mm_pl9_a	470.37	0.0000	3562.84	0.0000	3492.19	
int_mm_pl10_a	371.09	0.0000	3793.93	0.0000	3718.69	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	21.34
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=18.05 P-val=0.0000

Weak identification test

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 39947.89
 Kleibergen-Paap Wald rk F statistic 199.26

Stock-Yogo weak ID test critical values for K1=18 and L1=18:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(18,51)=	2.25	P-val=0.0120
Anderson-Rubin Wald test	Chi-sq(18)=	41.41	P-val=0.0013
Stock-Wright LM S statistic	Chi-sq(18)=	14.37	P-val=0.7049

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	191505
Number of regressors	K =	19
Number of endogenous regressors	K1 =	18
Number of instruments	L =	19
Number of excluded instruments	L1 =	18
Number of partialled-out regressors/IVs =		99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	191505
		F(19, 51) =	2.26
		Prob > F =	0.0108
Total (centered) SS =	10445.26663	Centered R2 =	0.0001
Total (uncentered) SS =	10445.26663	Uncentered R2 =	0.0001
Residual SS =	10444.09924	Root MSE =	.2335

ldwroll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mm_pl1_adj	-.0013052	.0013878	-0.94	0.347	-.0040252 .0014148
mm_pl3_adj	.0032373	.0030085	1.08	0.282	-.0026593 .0091339
mm_pl4_adj	-.0001039	.0021093	-0.05	0.961	-.0042381 .0040302
mm_pl5_adj	-.0008104	.0021512	-0.38	0.706	-.0050266 .0034058
mm_pl6_adj	-.0005724	.0030458	-0.19	0.851	-.0065421 .0053973
mm_pl7_adj	.0057675	.0018935	3.05	0.002	.0020563 .0094786
mm_pl8_adj	.0002553	.0014929	0.17	0.864	-.0026707 .0031814
mm_pl9_adj	-.0049644	.001945	-2.55	0.011	-.0087766 -.0011522
mm_pl10_adj	.0002141	.0027422	0.08	0.938	-.0051606 .0055887
int_mm_pl1_adj	.002493	.0028115	0.89	0.375	-.0030175 .0080035
int_mm_pl3_adj	-.0036508	.0039118	-0.93	0.351	-.0113179 .0040162
int_mm_pl4_adj	.0028839	.0030196	0.96	0.340	-.0030344 .0088023
int_mm_pl5_adj	.0008638	.0035131	0.25	0.806	-.0060216 .0077493
int_mm_pl6_adj	.0043874	.0040598	1.08	0.280	-.0035696 .0123444
int_mm_pl7_adj	-.0054134	.0033464	-1.62	0.106	-.0119722 .0011454
int_mm_pl8_adj	-.0025255	.003027	-0.83	0.404	-.0084583 .0034072
int_mm_pl9_adj	.0068014	.0026119	2.60	0.009	.0016822 .0119207
int_mm_pl10_adj	-.0029999	.0044651	-0.67	0.502	-.0117515 .0057516
phase2_st	.0009918	.0045984	0.22	0.829	-.0080208 .0100045

Underidentification test (Kleibergen-Paap rk LM statistic): 18.052
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 4.0e+04
(Kleibergen-Paap rk Wald F statistic): 199.261

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj

Included instruments: phase2_st

Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0017178	.0016084	-1.07	0.286	-.0048702 .0014345

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0017178

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	2.93e-17	.0016084	0.00	1.000	-.0031524 .0031524

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
0

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0028399	.0024782	-1.15	0.252	-.007697 .0020172

 (1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
 int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
 .0028399

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	7.81e-18	.0024782	0.00	1.000	-.0048571	.0048571

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 29.12
 Prob > chi2 = 0.0006

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 11.39
 Prob > chi2 = 0.2502

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_interaction_unemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: eperoll12, unemployment:
 unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(18, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_pl1_adj	855.85	0.0000	1641.18	0.0000	1608.64	
mm_pl3_adj	492.47	0.0000	2649.88	0.0000	2597.33	
mm_pl4_adj	500.48	0.0000	2919.16	0.0000	2861.28	
mm_pl5_adj	453.92	0.0000	2923.38	0.0000	2865.41	
mm_pl6_adj	406.87	0.0000	3182.87	0.0000	3119.76	
mm_pl7_adj	404.00	0.0000	2946.37	0.0000	2887.94	
mm_pl8_adj	422.41	0.0000	3150.09	0.0000	3087.62	
mm_pl9_adj	484.40	0.0000	2977.40	0.0000	2918.36	
mm_pl10_adj	508.29	0.0000	2961.46	0.0000	2902.73	
int_mm_pl1_a	499.91	0.0000	2938.93	0.0000	2880.66	
int_mm_pl3_a	446.42	0.0000	3643.89	0.0000	3571.63	

eperoll112	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_pl1_adj	-.0028113	.0018128	-1.55	0.121	-.0063644	.0007418
mm_pl3_adj	.0007279	.0012124	0.60	0.548	-.0016483	.0031041
mm_pl4_adj	.0011112	.0017149	0.65	0.517	-.0022491	.0044731
mm_pl5_adj	.0014256	.0013184	1.08	0.280	-.0011585	.0040096
mm_pl6_adj	.0012743	.0013812	0.92	0.356	-.0014327	.0039813
mm_pl7_adj	-.0006569	.0011292	-0.58	0.561	-.0028701	.0015563
mm_pl8_adj	.0003833	.0015845	0.24	0.809	-.0027222	.0034889
mm_pl9_adj	-.0015414	.0015888	-0.97	0.332	-.0046554	.0015726
mm_pl10_adj	-.0001447	.0016946	-0.09	0.932	-.003466	.0031766
int_mm_pl1_adj	.0017911	.0029561	0.61	0.545	-.0040028	.0075849
int_mm_pl3_adj	-.0001843	.0018895	-0.10	0.922	-.0038877	.003519
int_mm_pl4_adj	-.0023396	.0022506	-1.04	0.299	-.0067507	.0020714
int_mm_pl5_adj	-.0048997	.0023463	-2.09	0.037	-.0094984	-.000301
int_mm_pl6_adj	.0018806	.0021799	0.86	0.388	-.0023919	.0061531
int_mm_pl7_adj	.000851	.0017232	0.49	0.621	-.0025263	.0042284
int_mm_pl8_adj	-.0005702	.0021198	-0.27	0.788	-.0047249	.0035845
int_mm_pl9_adj	.0007003	.0022451	0.31	0.755	-.0037	.0051006
int_mm_pl10_adj	.0014666	.0025416	0.58	0.564	-.0035149	.0064481
phase2_st	.0029968	.0027219	1.10	0.271	-.0023381	.0083317

Underidentification test (Kleibergen-Paap rk LM statistic): 18.052
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 4.0e+04
(Kleibergen-Paap rk Wald F statistic): 199.261

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj

Included instruments: phase2_st

Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss_cons

nb: small-sample adjustments account for

partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0002312	.0012511	0.18	0.853	-.0022209 .0026833

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0002312

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	1.56e-17	.0012511	0.00	1.000	-.0024521 .0024521

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
0

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0013044	.0022679	0.58	0.565	-.0031407 .0057494

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
-.0013044

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-3.56e-17	.0022679	-0.00	1.000	-.0044451 .0044451

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 9.26
Prob > chi2 = 0.4137

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 7.30
 Prob > chi2 = 0.6064

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_interaction_unemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: eperoll24, unemployment:
 unemp

Summary results for first-stage regressions

Variable	F(18, 51)	P-val	(Underid)		(Weak id)	
			AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_pl1_adj	855.85	0.0000	1641.18	0.0000	1608.64	
mm_pl3_adj	492.47	0.0000	2649.88	0.0000	2597.33	
mm_pl4_adj	500.48	0.0000	2919.16	0.0000	2861.28	
mm_pl5_adj	453.92	0.0000	2923.38	0.0000	2865.41	
mm_pl6_adj	406.87	0.0000	3182.87	0.0000	3119.76	
mm_pl7_adj	404.00	0.0000	2946.37	0.0000	2887.94	
mm_pl8_adj	422.41	0.0000	3150.09	0.0000	3087.62	
mm_pl9_adj	484.40	0.0000	2977.40	0.0000	2918.36	
mm_pl10_adj	508.29	0.0000	2961.46	0.0000	2902.73	
int_mm_pl1_a	499.91	0.0000	2938.93	0.0000	2880.66	
int_mm_pl3_a	446.42	0.0000	3643.89	0.0000	3571.63	
int_mm_pl4_a	393.69	0.0000	4123.12	0.0000	4041.36	
int_mm_pl5_a	358.50	0.0000	3598.75	0.0000	3527.39	
int_mm_pl6_a	443.76	0.0000	3900.60	0.0000	3823.25	
int_mm_pl7_a	448.42	0.0000	4160.51	0.0000	4078.00	
int_mm_pl8_a	443.05	0.0000	3582.26	0.0000	3511.22	
int_mm_pl9_a	470.37	0.0000	3562.84	0.0000	3492.19	
int_mm_pl10_	371.09	0.0000	3793.93	0.0000	3718.69	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 21.34
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=18.05 P-val=0.0000

Weak identification test

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 39947.89
 Kleibergen-Paap Wald rk F statistic 199.26

Stock-Yogo weak ID test critical values for K1=18 and L1=18:
 <not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(18,51)= 5.54 P-val=0.0000
 Anderson-Rubin Wald test Chi-sq(18)= 101.74 P-val=0.0000
 Stock-Wright LM S statistic Chi-sq(18)= 21.46 P-val=0.2570

NB: Underidentification, weak identification and weak-identification-robust
 test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 191505
 Number of regressors K = 19
 Number of endogenous regressors K1 = 18
 Number of instruments L = 19
 Number of excluded instruments L1 = 18
 Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 191505
 F(19, 51) = 5.21
 Prob > F = 0.0000
 Total (centered) SS = 7662.896702 Centered R2 = 0.0001
 Total (uncentered) SS = 7662.896702 Uncentered R2 = 0.0001
 Residual SS = 7661.972874 Root MSE = .2

eperoll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_p11_adj	-.0018453	.0017875	-1.03	0.302	-.0053487	.0016581
mm_p13_adj	.0040725	.0025556	1.59	0.111	-.0009363	.0090813
mm_p14_adj	.0000896	.0018793	0.05	0.962	-.0035938	.0037729
mm_p15_adj	.0016519	.0013488	1.22	0.221	-.0009917	.0042955
mm_p16_adj	-.0000618	.0023535	-0.03	0.979	-.0046747	.004551
mm_p17_adj	.0001821	.0018952	0.10	0.923	-.0035323	.0038965
mm_p18_adj	-.0008578	.0017248	-0.50	0.619	-.0042383	.0025227
mm_p19_adj	-.0023255	.0017466	-1.33	0.183	-.0057488	.0010978
mm_p110_adj	-.0009753	.0020246	-0.48	0.630	-.0049436	.0029929
int_mm_p11_adj	.0025506	.0034244	0.74	0.456	-.0041612	.0092624
int_mm_p13_adj	-.0032101	.0030869	-1.04	0.298	-.0092603	.0028401
int_mm_p14_adj	-.0016905	.0027731	-0.61	0.542	-.0071257	.0037447
int_mm_p15_adj	-.005683	.0028089	-2.02	0.043	-.0111884	-.0001776
int_mm_p16_adj	.0041867	.0026164	1.60	0.110	-.0009414	.0093148
int_mm_p17_adj	-.0029387	.0024582	-1.20	0.232	-.0077567	.0018793
int_mm_p18_adj	.0021952	.0026036	0.84	0.399	-.0029079	.0072982
int_mm_p19_adj	.0001703	.0022786	0.07	0.940	-.0042957	.0046363
int_mm_p110_adj	.0024964	.0026331	0.95	0.343	-.0026644	.0076571
phase2_st	.0035329	.0039644	0.89	0.373	-.0042372	.011303

Underidentification test (Kleibergen-Paap rk LM statistic): 18.052
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 4.0e+04
 (Kleibergen-Paap rk Wald F statistic): 199.261
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm_p11_adj mm_p13_adj mm_p14_adj mm_p15_adj mm_p16_adj
mm_p17_adj mm_p18_adj mm_p19_adj mm_p110_adj
int_mm_p11_adj int_mm_p13_adj int_mm_p14_adj
int_mm_p15_adj int_mm_p16_adj int_mm_p17_adj
int_mm_p18_adj int_mm_p19_adj int_mm_p110_adj

Included instruments: phase2_st

Excluded instruments: imm_p11_adj imm_p13_adj imm_p14_adj imm_p15_adj
imm_p16_adj imm_p17_adj imm_p18_adj imm_p19_adj
imm_p110_adj int_imm_p11_adj int_imm_p13_adj
int_imm_p14_adj int_imm_p15_adj int_imm_p16_adj
int_imm_p17_adj int_imm_p18_adj int_imm_p19_adj
int_imm_p110_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_p11_adj - mm_p13_adj - mm_p14_adj - mm_p15_adj - mm_p16_adj - mm_p17_adj
- mm_p18_adj - mm_p19_adj - mm_p110_adj = 0

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0000698	.0019516	0.04	0.971	-.0037552 .0038947

(1) mm_p11_adj + mm_p13_adj + mm_p14_adj + mm_p15_adj + mm_p16_adj + mm_p17_adj +
mm_p18_adj + mm_p19_adj + mm_p110_adj = -.0000698

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	4.12e-17	.0019516	0.00	1.000	-.003825 .003825

(1) - int_mm_p11_adj - int_mm_p13_adj - int_mm_p14_adj - int_mm_p15_adj -
int_mm_p16_adj - int_mm_p17_adj - int_mm_p18_adj - int_mm_p19_adj - int_mm_p110_adj =
0

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0019232	.0028071	0.69	0.493	-.0035787 .0074251

(1) int_mm_p11_adj + int_mm_p13_adj + int_mm_p14_adj + int_mm_p15_adj +
int_mm_p16_adj + int_mm_p17_adj + int_mm_p18_adj + int_mm_p19_adj + int_mm_p110_adj =
-.0019232

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	3.34e-17	.0028071	0.00	1.000	-.0055019	.0055019

- (1) mm_p11_adj = 0
- (2) mm_p13_adj = 0
- (3) mm_p14_adj = 0
- (4) mm_p15_adj = 0
- (5) mm_p16_adj = 0
- (6) mm_p17_adj = 0
- (7) mm_p18_adj = 0
- (8) mm_p19_adj = 0
- (9) mm_p110_adj = 0

chi2(9) = 20.04
 Prob > chi2 = 0.0177

- (1) int_mm_p11_adj = 0
- (2) int_mm_p13_adj = 0
- (3) int_mm_p14_adj = 0
- (4) int_mm_p15_adj = 0
- (5) int_mm_p16_adj = 0
- (6) int_mm_p17_adj = 0
- (7) int_mm_p18_adj = 0
- (8) int_mm_p19_adj = 0
- (9) int_mm_p110_adj = 0

chi2(9) = 18.65
 Prob > chi2 = 0.0283

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_interaction_unemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: eperoll36, unemployment:
 unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(18, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_p11_adj	855.85	0.0000	1641.18	0.0000	1608.64	
mm_p13_adj	492.47	0.0000	2649.88	0.0000	2597.33	
mm_p14_adj	500.48	0.0000	2919.16	0.0000	2861.28	
mm_p15_adj	453.92	0.0000	2923.38	0.0000	2865.41	
mm_p16_adj	406.87	0.0000	3182.87	0.0000	3119.76	
mm_p17_adj	404.00	0.0000	2946.37	0.0000	2887.94	
mm_p18_adj	422.41	0.0000	3150.09	0.0000	3087.62	
mm_p19_adj	484.40	0.0000	2977.40	0.0000	2918.36	
mm_p110_adj	508.29	0.0000	2961.46	0.0000	2902.73	
int_mm_p11_a	499.91	0.0000	2938.93	0.0000	2880.66	
int_mm_p13_a	446.42	0.0000	3643.89	0.0000	3571.63	
int_mm_p14_a	393.69	0.0000	4123.12	0.0000	4041.36	
int_mm_p15_a	358.50	0.0000	3598.75	0.0000	3527.39	
int_mm_p16_a	443.76	0.0000	3900.60	0.0000	3823.25	
int_mm_p17_a	448.42	0.0000	4160.51	0.0000	4078.00	
int_mm_p18_a	443.05	0.0000	3582.26	0.0000	3511.22	

```
int_mm_p19_a |      470.37    0.0000 |      3562.84    0.0000 |      3492.19
int_mm_p110_ |      371.09    0.0000 |      3793.93    0.0000 |      3718.69
```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias 21.34
10% maximal IV size 16.38
15% maximal IV size 8.96
20% maximal IV size 6.66
25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
Ha: matrix has rank=K1 (identified)
Kleibergen-Paap rk LM statistic Chi-sq(1)=18.05 P-val=0.0000

Weak identification test
Ho: equation is weakly identified
Cragg-Donald Wald F statistic 39947.89
Kleibergen-Paap Wald rk F statistic 199.26

Stock-Yogo weak ID test critical values for K1=18 and L1=18: <not available>

Weak-instrument-robust inference
Tests of joint significance of endogenous regressors B1 in main equation
Ho: B1=0 and orthogonality conditions are valid
Anderson-Rubin Wald test F(18,51)= 3.19 P-val=0.0006
Anderson-Rubin Wald test Chi-sq(18)= 58.52 P-val=0.0000
Stock-Wright LM S statistic Chi-sq(18)= 18.01 P-val=0.4548

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
Number of observations N = 191505
Number of regressors K = 19
Number of endogenous regressors K1 = 18
Number of instruments L = 19
Number of excluded instruments L1 = 18
Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 191505
F(19, 51) = 3.09
Prob > F = 0.0007
Total (centered) SS = 10647.60048 Centered R2 = 0.0001
Total (uncentered) SS = 10647.60048 Uncentered R2 = 0.0001
Residual SS = 10646.31233 Root MSE = .2358

```
-----  
          |           Robust  
          |           Coef.   Std. Err.      z    P>|z|      [95% Conf. Interval]  
-----+-----  
 eperoll36 | -0.0006009   .0018436   -0.33   0.744   -0.0042143   .0030125  
-----
```

mm_pl3_adj	.0041908	.0029314	1.43	0.153	-.0015547	.0099363
mm_pl4_adj	.0002615	.0020696	0.13	0.899	-.0037949	.0043179
mm_pl5_adj	.0010893	.0021322	0.51	0.609	-.0030897	.0052683
mm_pl6_adj	.0002046	.0028444	0.07	0.943	-.0053703	.0057795
mm_pl7_adj	.0021848	.0015767	1.39	0.166	-.0009054	.005275
mm_pl8_adj	-.0009291	.0018289	-0.51	0.611	-.0045138	.0026555
mm_pl9_adj	-.0050492	.0020985	-2.41	0.016	-.0091622	-.0009363
mm_pl10_adj	-.0001862	.0025145	-0.07	0.941	-.0051145	.0047421
int_mm_pl1_adj	.0007765	.0037641	0.21	0.837	-.006601	.008154
int_mm_pl3_adj	-.0029796	.0039273	-0.76	0.448	-.0106769	.0047177
int_mm_pl4_adj	-.0024019	.0033364	-0.72	0.472	-.0089411	.0041373
int_mm_pl5_adj	-.0069601	.0031197	-2.23	0.026	-.0130747	-.0008455
int_mm_pl6_adj	.0066761	.0035453	1.88	0.060	-.0002725	.0136247
int_mm_pl7_adj	-.0034004	.0028077	-1.21	0.226	-.0089034	.0021026
int_mm_pl8_adj	.0014157	.0028643	0.49	0.621	-.0041983	.0070297
int_mm_pl9_adj	.0022877	.0027417	0.83	0.404	-.0030859	.0076612
int_mm_pl10_adj	.0022029	.0035429	0.62	0.534	-.0047411	.009147
phase2_st	-.0006804	.0038369	-0.18	0.859	-.0082006	.0068399

Underidentification test (Kleibergen-Paap rk LM statistic): 18.052
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 4.0e+04
(Kleibergen-Paap rk Wald F statistic): 199.261
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

eperoll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0011655	.0022046	-0.53	0.597	-.0054864 .0031554

(1) mm_p11_adj + mm_p13_adj + mm_p14_adj + mm_p15_adj + mm_p16_adj + mm_p17_adj + mm_p18_adj + mm_p19_adj + mm_p110_adj = .0011655

eperoll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-4.55e-18	.0022046	-0.00	1.000	-.0043209 .0043209

(1) - int_mm_p11_adj - int_mm_p13_adj - int_mm_p14_adj - int_mm_p15_adj - int_mm_p16_adj - int_mm_p17_adj - int_mm_p18_adj - int_mm_p19_adj - int_mm_p110_adj = 0

eperoll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0023831	.0030698	0.78	0.438	-.0036336 .0083999

(1) int_mm_p11_adj + int_mm_p13_adj + int_mm_p14_adj + int_mm_p15_adj + int_mm_p16_adj + int_mm_p17_adj + int_mm_p18_adj + int_mm_p19_adj + int_mm_p110_adj = -.0023831

eperoll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-2.91e-17	.0030698	-0.00	1.000	-.0060167 .0060167

- (1) mm_p11_adj = 0
- (2) mm_p13_adj = 0
- (3) mm_p14_adj = 0
- (4) mm_p15_adj = 0
- (5) mm_p16_adj = 0
- (6) mm_p17_adj = 0
- (7) mm_p18_adj = 0
- (8) mm_p19_adj = 0
- (9) mm_p110_adj = 0

chi2(9) = 30.80
Prob > chi2 = 0.0003

- (1) int_mm_p11_adj = 0
- (2) int_mm_p13_adj = 0
- (3) int_mm_p14_adj = 0
- (4) int_mm_p15_adj = 0
- (5) int_mm_p16_adj = 0
- (6) int_mm_p17_adj = 0
- (7) int_mm_p18_adj = 0
- (8) int_mm_p19_adj = 0
- (9) int_mm_p110_adj = 0

chi2(9) = 18.24
Prob > chi2 = 0.0325


```

int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

```

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

eperoll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0020047	.0024961	-0.80	0.422	-.006897 .0028876

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0020047

eperoll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	4.47e-17	.0024961	0.00	1.000	-.0048923 .0048923

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
0

eperoll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0011274	.003713	0.30	0.761	-.0061498 .0084047

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
-.0011274

eperoll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
-----------	-------	-----------	---	------	----------------------

```
-----+-----
(1) | -2.17e-18 .003713 -0.00 1.000 -.0072773 .0072773
-----+-----
```

- (1) mm_p11_adj = 0
- (2) mm_p13_adj = 0
- (3) mm_p14_adj = 0
- (4) mm_p15_adj = 0
- (5) mm_p16_adj = 0
- (6) mm_p17_adj = 0
- (7) mm_p18_adj = 0
- (8) mm_p19_adj = 0
- (9) mm_p110_adj = 0

```
chi2( 9) = 15.52
Prob > chi2 = 0.0777
```

- (1) int_mm_p11_adj = 0
- (2) int_mm_p13_adj = 0
- (3) int_mm_p14_adj = 0
- (4) int_mm_p15_adj = 0
- (5) int_mm_p16_adj = 0
- (6) int_mm_p17_adj = 0
- (7) int_mm_p18_adj = 0
- (8) int_mm_p19_adj = 0
- (9) int_mm_p110_adj = 0

```
chi2( 9) = 12.70
Prob > chi2 = 0.1768
```

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_interaction_unemp.xls

dir : seeout

2 and phase 3 with interactions dependent variable: twproll12, unemployment: unemp

Summary results for first-stage regressions

```
-----+-----
```

Variable				(Underid)		(Weak id)		
	F(18,	51)	P-val	AP Chi-sq(1)	P-val	AP F(1,	51)	
mm_p11_adj	855.85		0.0000	1641.18	0.0000		1608.64	
mm_p13_adj	492.47		0.0000	2649.88	0.0000		2597.33	
mm_p14_adj	500.48		0.0000	2919.16	0.0000		2861.28	
mm_p15_adj	453.92		0.0000	2923.38	0.0000		2865.41	
mm_p16_adj	406.87		0.0000	3182.87	0.0000		3119.76	
mm_p17_adj	404.00		0.0000	2946.37	0.0000		2887.94	
mm_p18_adj	422.41		0.0000	3150.09	0.0000		3087.62	
mm_p19_adj	484.40		0.0000	2977.40	0.0000		2918.36	
mm_p110_adj	508.29		0.0000	2961.46	0.0000		2902.73	
int_mm_p11_a	499.91		0.0000	2938.93	0.0000		2880.66	
int_mm_p13_a	446.42		0.0000	3643.89	0.0000		3571.63	
int_mm_p14_a	393.69		0.0000	4123.12	0.0000		4041.36	
int_mm_p15_a	358.50		0.0000	3598.75	0.0000		3527.39	
int_mm_p16_a	443.76		0.0000	3900.60	0.0000		3823.25	
int_mm_p17_a	448.42		0.0000	4160.51	0.0000		4078.00	
int_mm_p18_a	443.05		0.0000	3582.26	0.0000		3511.22	
int_mm_p19_a	470.37		0.0000	3562.84	0.0000		3492.19	
int_mm_p110_	371.09		0.0000	3793.93	0.0000		3718.69	

```
-----+-----
```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	21.34
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=18.05 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 39947.89

Kleibergen-Paap Wald rk F statistic 199.26

Stock-Yogo weak ID test critical values for K1=18 and L1=18:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(18,51)= 0.96 P-val=0.5204

Anderson-Rubin Wald test Chi-sq(18)= 17.57 P-val=0.4846

Stock-Wright LM S statistic Chi-sq(18)= 10.46 P-val=0.9157

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
Number of observations N = 191505
Number of regressors K = 19
Number of endogenous regressors K1 = 18
Number of instruments L = 19
Number of excluded instruments L1 = 18
Number of partialled-out regressors/IVs = 99
NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	191505
		F(19, 51) =	1.00
		Prob > F =	0.4772
Total (centered) SS =	6143.39241	Centered R2 =	0.0000
Total (uncentered) SS =	6143.39241	Uncentered R2 =	0.0000
Residual SS =	6143.088125	Root MSE =	.1791

twproll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mm_p11_adj	-.0005631	.0019059	-0.30	0.768	-.0042985 .0031724
mm_p13_adj	-.0010741	.0012679	-0.85	0.397	-.0035591 .001411
mm_p14_adj	-.0003405	.0013413	-0.25	0.800	-.0029693 .0022883
mm_p15_adj	-.0006995	.0011112	-0.63	0.529	-.0028774 .0014784

mm_pl6_adj	-.0012042	.0016106	-0.75	0.455	-.0043608	.0019524
mm_pl7_adj	.003863	.0016913	2.28	0.022	.0005481	.0071779
mm_pl8_adj	-.0002906	.0018218	-0.16	0.873	-.0038613	.00328
mm_pl9_adj	-.0000794	.0012645	-0.06	0.950	-.0025578	.0023989
mm_pl10_adj	-.0000466	.0015025	-0.03	0.975	-.0029914	.0028982
int_mm_pl11_adj	.0033304	.0030008	1.11	0.267	-.0025512	.0092119
int_mm_pl3_adj	.001109	.0020251	0.55	0.584	-.0028601	.0050782
int_mm_pl4_adj	-.0012459	.0029665	-0.42	0.675	-.00706	.0045683
int_mm_pl5_adj	.0003259	.0019038	0.17	0.864	-.0034053	.0040572
int_mm_pl6_adj	.0030013	.003246	0.92	0.355	-.0033607	.0093632
int_mm_pl7_adj	-.0064696	.0027752	-2.33	0.020	-.0119089	-.0010302
int_mm_pl8_adj	.0000514	.0033342	0.02	0.988	-.0064835	.0065863
int_mm_pl9_adj	.0003334	.002436	0.14	0.891	-.004441	.0051078
int_mm_pl10_adj	.0007954	.0023454	0.34	0.735	-.0038016	.0053923
phase2_st	-.0040902	.0035553	-1.15	0.250	-.0110584	.002878

Underidentification test (Kleibergen-Paap rk LM statistic): 18.052
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 4.0e+04
(Kleibergen-Paap rk Wald F statistic): 199.261

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl11_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
int_mm_pl11_adj int_mm_pl3_adj int_mm_pl4_adj
int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl11_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl11_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl11_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

twproll12 | Coef. Std. Err. z P>|z| [95% Conf. Interval]

```
-----+-----
(1) | .0004349 .0021895 0.20 0.843 -.0038564 .0047263
-----+-----
```

(1) mm_p11_adj + mm_p13_adj + mm_p14_adj + mm_p15_adj + mm_p16_adj + mm_p17_adj + mm_p18_adj + mm_p19_adj + mm_p110_adj = -.0004349

```
-----+-----
twproll12 | Coef. Std. Err. z P>|z| [95% Conf. Interval]
-----+-----
(1) | -2.23e-17 .0021895 -0.00 1.000 -.0042914 .0042914
-----+-----
```

(1) - int_mm_p11_adj - int_mm_p13_adj - int_mm_p14_adj - int_mm_p15_adj - int_mm_p16_adj - int_mm_p17_adj - int_mm_p18_adj - int_mm_p19_adj - int_mm_p110_adj = 0

```
-----+-----
twproll12 | Coef. Std. Err. z P>|z| [95% Conf. Interval]
-----+-----
(1) | -.0012314 .0031392 -0.39 0.695 -.007384 .0049213
-----+-----
```

(1) int_mm_p11_adj + int_mm_p13_adj + int_mm_p14_adj + int_mm_p15_adj + int_mm_p16_adj + int_mm_p17_adj + int_mm_p18_adj + int_mm_p19_adj + int_mm_p110_adj = .0012314

```
-----+-----
twproll12 | Coef. Std. Err. z P>|z| [95% Conf. Interval]
-----+-----
(1) | 2.17e-18 .0031392 0.00 1.000 -.0061527 .0061527
-----+-----
```

- (1) mm_p11_adj = 0
- (2) mm_p13_adj = 0
- (3) mm_p14_adj = 0
- (4) mm_p15_adj = 0
- (5) mm_p16_adj = 0
- (6) mm_p17_adj = 0
- (7) mm_p18_adj = 0
- (8) mm_p19_adj = 0
- (9) mm_p110_adj = 0

chi2(9) = 8.27
 Prob > chi2 = 0.5070

- (1) int_mm_p11_adj = 0
- (2) int_mm_p13_adj = 0
- (3) int_mm_p14_adj = 0
- (4) int_mm_p15_adj = 0
- (5) int_mm_p16_adj = 0
- (6) int_mm_p17_adj = 0
- (7) int_mm_p18_adj = 0
- (8) int_mm_p19_adj = 0
- (9) int_mm_p110_adj = 0

chi2(9) = 10.54
 Prob > chi2 = 0.3087

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_interaction_unemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: twproll24, unemployment:
unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(18, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_pl1_adj	855.85	0.0000	1641.18	0.0000	1608.64	
mm_pl3_adj	492.47	0.0000	2649.88	0.0000	2597.33	
mm_pl4_adj	500.48	0.0000	2919.16	0.0000	2861.28	
mm_pl5_adj	453.92	0.0000	2923.38	0.0000	2865.41	
mm_pl6_adj	406.87	0.0000	3182.87	0.0000	3119.76	
mm_pl7_adj	404.00	0.0000	2946.37	0.0000	2887.94	
mm_pl8_adj	422.41	0.0000	3150.09	0.0000	3087.62	
mm_pl9_adj	484.40	0.0000	2977.40	0.0000	2918.36	
mm_pl10_adj	508.29	0.0000	2961.46	0.0000	2902.73	
int_mm_pl1_a	499.91	0.0000	2938.93	0.0000	2880.66	
int_mm_pl3_a	446.42	0.0000	3643.89	0.0000	3571.63	
int_mm_pl4_a	393.69	0.0000	4123.12	0.0000	4041.36	
int_mm_pl5_a	358.50	0.0000	3598.75	0.0000	3527.39	
int_mm_pl6_a	443.76	0.0000	3900.60	0.0000	3823.25	
int_mm_pl7_a	448.42	0.0000	4160.51	0.0000	4078.00	
int_mm_pl8_a	443.05	0.0000	3582.26	0.0000	3511.22	
int_mm_pl9_a	470.37	0.0000	3562.84	0.0000	3492.19	
int_mm_pl10_a	371.09	0.0000	3793.93	0.0000	3718.69	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	21.34
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=18.05 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 39947.89

Kleibergen-Paap Wald rk F statistic 199.26

Stock-Yogo weak ID test critical values for K1=18 and L1=18:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(18,51)= 0.64 P-val=0.8471

Anderson-Rubin Wald test Chi-sq(18)= 11.82 P-val=0.8564

Stock-Wright LM S statistic Chi-sq(18)= 8.65 P-val=0.9673

NB: Underidentification, weak identification and weak-identification-robust
test statistics cluster-robust

Number of clusters N_clust = 52


```

imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

```

```

-----
( 1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

```

twproll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0006867	.0027596	-0.25	0.803	-.0060954 .004722

```

( 1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0006867

```

twproll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-5.20e-18	.0027596	-0.00	1.000	-.0054087 .0054087

```

( 1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
0

```

twproll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0008405	.0038781	-0.22	0.828	-.0084415 .0067605

```

( 1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
.0008405

```

twproll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-3.46e-17	.0038781	-0.00	1.000	-.007601 .007601

```

( 1) mm_pl1_adj = 0

```

(2) mm_pl3_adj = 0
 (3) mm_pl4_adj = 0
 (4) mm_pl5_adj = 0
 (5) mm_pl6_adj = 0
 (6) mm_pl7_adj = 0
 (7) mm_pl8_adj = 0
 (8) mm_pl9_adj = 0
 (9) mm_pl10_adj = 0

chi2(9) = 8.31
 Prob > chi2 = 0.5028

(1) int_mm_pl1_adj = 0
 (2) int_mm_pl3_adj = 0
 (3) int_mm_pl4_adj = 0
 (4) int_mm_pl5_adj = 0
 (5) int_mm_pl6_adj = 0
 (6) int_mm_pl7_adj = 0
 (7) int_mm_pl8_adj = 0
 (8) int_mm_pl9_adj = 0
 (9) int_mm_pl10_adj = 0

chi2(9) = 4.48
 Prob > chi2 = 0.8773

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_interaction_unemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: twproll36, unemployment:
 unemp

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(18, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_pl1_adj	855.85	0.0000	1641.18	0.0000	1608.64	
mm_pl3_adj	492.47	0.0000	2649.88	0.0000	2597.33	
mm_pl4_adj	500.48	0.0000	2919.16	0.0000	2861.28	
mm_pl5_adj	453.92	0.0000	2923.38	0.0000	2865.41	
mm_pl6_adj	406.87	0.0000	3182.87	0.0000	3119.76	
mm_pl7_adj	404.00	0.0000	2946.37	0.0000	2887.94	
mm_pl8_adj	422.41	0.0000	3150.09	0.0000	3087.62	
mm_pl9_adj	484.40	0.0000	2977.40	0.0000	2918.36	
mm_pl10_adj	508.29	0.0000	2961.46	0.0000	2902.73	
int_mm_pl1_a	499.91	0.0000	2938.93	0.0000	2880.66	
int_mm_pl3_a	446.42	0.0000	3643.89	0.0000	3571.63	
int_mm_pl4_a	393.69	0.0000	4123.12	0.0000	4041.36	
int_mm_pl5_a	358.50	0.0000	3598.75	0.0000	3527.39	
int_mm_pl6_a	443.76	0.0000	3900.60	0.0000	3823.25	
int_mm_pl7_a	448.42	0.0000	4160.51	0.0000	4078.00	
int_mm_pl8_a	443.05	0.0000	3582.26	0.0000	3511.22	
int_mm_pl9_a	470.37	0.0000	3562.84	0.0000	3492.19	
int_mm_pl10_a	371.09	0.0000	3793.93	0.0000	3718.69	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 21.34
 10% maximal IV size 16.38

15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=18.05 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 39947.89

Kleibergen-Paap Wald rk F statistic 199.26

Stock-Yogo weak ID test critical values for K1=18 and L1=18:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(18,51)= 0.79 P-val=0.7071

Anderson-Rubin Wald test Chi-sq(18)= 14.42 P-val=0.7016

Stock-Wright LM S statistic Chi-sq(18)= 10.01 P-val=0.9317

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 191505
 Number of regressors K = 19
 Number of endogenous regressors K1 = 18
 Number of instruments L = 19
 Number of excluded instruments L1 = 18
 Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 191505
 F(19, 51) = 1.24
 Prob > F = 0.2661
 Total (centered) SS = 13319.35584 Centered R2 = 0.0001
 Total (uncentered) SS = 13319.35584 Uncentered R2 = 0.0001
 Residual SS = 13317.75516 Root MSE = .2637

twproll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_p11_adj	.0023726	.0020997	1.13	0.258	-.0017427	.0064879
mm_p13_adj	.0020057	.0022726	0.88	0.377	-.0024485	.0064598
mm_p14_adj	2.98e-06	.0023194	0.00	0.999	-.004543	.004549
mm_p15_adj	-.0023286	.0024554	-0.95	0.343	-.0071411	.002484
mm_p16_adj	-.0028263	.0022173	-1.27	0.202	-.0071722	.0015195
mm_p17_adj	.0031635	.0031089	1.02	0.309	-.0029299	.0092568
mm_p18_adj	-.0010807	.0023624	-0.46	0.647	-.0057109	.0035495
mm_p19_adj	-.0005662	.0019381	-0.29	0.770	-.0043648	.0032324
mm_p110_adj	-4.75e-06	.0023321	-0.00	0.998	-.0045755	.004566

int_mm_pl1_adj	-.0008038	.0036378	-0.22	0.825	-.0079336	.0063261
int_mm_pl3_adj	.000468	.0032156	0.15	0.884	-.0058345	.0067705
int_mm_pl4_adj	.0025484	.0032575	0.78	0.434	-.0038361	.0089329
int_mm_pl5_adj	-.0009477	.0038913	-0.24	0.808	-.0085745	.006679
int_mm_pl6_adj	.0035709	.004567	0.78	0.434	-.0053803	.0125221
int_mm_pl7_adj	-.0023204	.0041312	-0.56	0.574	-.0104175	.0057767
int_mm_pl8_adj	-.002056	.004678	-0.44	0.660	-.0112247	.0071127
int_mm_pl9_adj	.0000582	.0033768	0.02	0.986	-.0065602	.0066766
int_mm_pl10_adj	-.0003094	.0041643	-0.07	0.941	-.0084712	.0078525
phase2_st	-.0144642	.0056994	-2.54	0.011	-.0256348	-.0032937

Underidentification test (Kleibergen-Paap rk LM statistic): 18.052
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 4.0e+04
(Kleibergen-Paap rk Wald F statistic): 199.261
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj

Included instruments: phase2_st

Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0007382	.0021056	-0.35	0.726	-.004865 .0033886

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0007382

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	8.24e-18	.0021056	0.00	1.000	-.0041268 .0041268

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj - int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj = 0

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0002082	.0037307	-0.06	0.955	-.0075202 .0071038

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj + int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj = .0002082

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	4.52e-17	.0037307	0.00	1.000	-.007312 .007312

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 3.49
 Prob > chi2 = 0.9415

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 4.31
 Prob > chi2 = 0.8902

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_interaction_unemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: twproll48, unemployment:
 unemp

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm_p11_adj - mm_p13_adj - mm_p14_adj - mm_p15_adj - mm_p16_adj - mm_p17_adj
 - mm_p18_adj - mm_p19_adj - mm_p110_adj = 0

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0009041	.0019451	-0.46	0.642	-.0047164 .0029082

(1) mm_p11_adj + mm_p13_adj + mm_p14_adj + mm_p15_adj + mm_p16_adj + mm_p17_adj +
 mm_p18_adj + mm_p19_adj + mm_p110_adj = .0009041

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-2.54e-17	.0019451	-0.00	1.000	-.0038123 .0038123

(1) - int_mm_p11_adj - int_mm_p13_adj - int_mm_p14_adj - int_mm_p15_adj -
 int_mm_p16_adj - int_mm_p17_adj - int_mm_p18_adj - int_mm_p19_adj - int_mm_p110_adj =
 0

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0007995	.0037187	0.21	0.830	-.0064891 .008088

(1) int_mm_p11_adj + int_mm_p13_adj + int_mm_p14_adj + int_mm_p15_adj +
 int_mm_p16_adj + int_mm_p17_adj + int_mm_p18_adj + int_mm_p19_adj + int_mm_p110_adj =
 -.0007995

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	2.26e-17	.0037187	0.00	1.000	-.0072885 .0072885

- (1) mm_p11_adj = 0
- (2) mm_p13_adj = 0
- (3) mm_p14_adj = 0
- (4) mm_p15_adj = 0
- (5) mm_p16_adj = 0

(6) mm_pl7_adj = 0
 (7) mm_pl8_adj = 0
 (8) mm_pl9_adj = 0
 (9) mm_pl10_adj = 0

chi2(9) = 7.08
 Prob > chi2 = 0.6289

(1) int_mm_pl1_adj = 0
 (2) int_mm_pl3_adj = 0
 (3) int_mm_pl4_adj = 0
 (4) int_mm_pl5_adj = 0
 (5) int_mm_pl6_adj = 0
 (6) int_mm_pl7_adj = 0
 (7) int_mm_pl8_adj = 0
 (8) int_mm_pl9_adj = 0
 (9) int_mm_pl10_adj = 0

chi2(9) = 10.85
 Prob > chi2 = 0.2865

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_interaction_unemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: srvroll12, unemployment:
 unemp

Summary results for first-stage regressions

Variable	F(18, 51) P-val		(Underid) AP Chi-sq(1) P-val		(Weak id) AP F(1, 51)	
	mm_pl1_adj	855.85	0.0000	1641.18	0.0000	1608.64
mm_pl3_adj	492.47	0.0000	2649.88	0.0000	2597.33	
mm_pl4_adj	500.48	0.0000	2919.16	0.0000	2861.28	
mm_pl5_adj	453.92	0.0000	2923.38	0.0000	2865.41	
mm_pl6_adj	406.87	0.0000	3182.87	0.0000	3119.76	
mm_pl7_adj	404.00	0.0000	2946.37	0.0000	2887.94	
mm_pl8_adj	422.41	0.0000	3150.09	0.0000	3087.62	
mm_pl9_adj	484.40	0.0000	2977.40	0.0000	2918.36	
mm_pl10_adj	508.29	0.0000	2961.46	0.0000	2902.73	
int_mm_pl1_a	499.91	0.0000	2938.93	0.0000	2880.66	
int_mm_pl3_a	446.42	0.0000	3643.89	0.0000	3571.63	
int_mm_pl4_a	393.69	0.0000	4123.12	0.0000	4041.36	
int_mm_pl5_a	358.50	0.0000	3598.75	0.0000	3527.39	
int_mm_pl6_a	443.76	0.0000	3900.60	0.0000	3823.25	
int_mm_pl7_a	448.42	0.0000	4160.51	0.0000	4078.00	
int_mm_pl8_a	443.05	0.0000	3582.26	0.0000	3511.22	
int_mm_pl9_a	470.37	0.0000	3562.84	0.0000	3492.19	
int_mm_pl10_a	371.09	0.0000	3793.93	0.0000	3718.69	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 21.34
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.

int_mm_pl6_adj		.0009658	.0017863	0.54	0.589	-.0025352	.0044669
int_mm_pl7_adj		.0005907	.001773	0.33	0.739	-.0028845	.0040658
int_mm_pl8_adj		.0000974	.0020877	0.05	0.963	-.0039945	.0041893
int_mm_pl9_adj		-.003245	.0020931	-1.55	0.121	-.0073475	.0008575
int_mm_pl10_adj		.0020372	.0022005	0.93	0.355	-.0022757	.0063501
phase2_st		.0001057	.0022639	0.05	0.963	-.0043316	.0045429

Underidentification test (Kleibergen-Paap rk LM statistic): 18.052
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 4.0e+04
(Kleibergen-Paap rk Wald F statistic): 199.261

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

srveroll12		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		-.0026039	.0009499	-2.74	0.006	-.0044657 - .0007421

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0026039

srveroll12		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
------------	--	-------	-----------	---	------	----------------------

```
-----+-----
(1) | -1.47e-17 .0009499 -0.00 1.000 -.0018618 .0018618
-----+-----
```

(1) - int_mm_pl11_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
0

```
-----+-----
srvroll12 |      Coef.   Std. Err.      z    P>|z|      [95% Conf. Interval]
-----+-----
(1) | -.0006738   .002229   -0.30   0.762   -.0050425   .003695
-----+-----
```

(1) int_mm_pl11_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
.0006738

```
-----+-----
srvroll12 |      Coef.   Std. Err.      z    P>|z|      [95% Conf. Interval]
-----+-----
(1) | 3.06e-17   .002229    0.00   1.000   -.0043687   .0043687
-----+-----
```

- (1) mm_pl11_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 46.25
Prob > chi2 = 0.0000

- (1) int_mm_pl11_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 7.65
Prob > chi2 = 0.5699

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_interaction_unemp.xls
dir : seeout

2 and phase 3 with interactions dependent variable: srvroll24, unemployment:
unemp

Summary results for first-stage regressions

```
-----+-----
(Underid)                                (Weak id)
```

Variable	F(18, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)
mm_pl1_adj	855.85	0.0000	1641.18	0.0000	1608.64
mm_pl3_adj	492.47	0.0000	2649.88	0.0000	2597.33
mm_pl4_adj	500.48	0.0000	2919.16	0.0000	2861.28
mm_pl5_adj	453.92	0.0000	2923.38	0.0000	2865.41
mm_pl6_adj	406.87	0.0000	3182.87	0.0000	3119.76
mm_pl7_adj	404.00	0.0000	2946.37	0.0000	2887.94
mm_pl8_adj	422.41	0.0000	3150.09	0.0000	3087.62
mm_pl9_adj	484.40	0.0000	2977.40	0.0000	2918.36
mm_pl10_adj	508.29	0.0000	2961.46	0.0000	2902.73
int_mm_pl1_a	499.91	0.0000	2938.93	0.0000	2880.66
int_mm_pl3_a	446.42	0.0000	3643.89	0.0000	3571.63
int_mm_pl4_a	393.69	0.0000	4123.12	0.0000	4041.36
int_mm_pl5_a	358.50	0.0000	3598.75	0.0000	3527.39
int_mm_pl6_a	443.76	0.0000	3900.60	0.0000	3823.25
int_mm_pl7_a	448.42	0.0000	4160.51	0.0000	4078.00
int_mm_pl8_a	443.05	0.0000	3582.26	0.0000	3511.22
int_mm_pl9_a	470.37	0.0000	3562.84	0.0000	3492.19
int_mm_pl10_	371.09	0.0000	3793.93	0.0000	3718.69

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	21.34
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=18.05 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 39947.89

Kleibergen-Paap Wald rk F statistic 199.26

Stock-Yogo weak ID test critical values for K1=18 and L1=18:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(18,51)= 5.49 P-val=0.0000

Anderson-Rubin Wald test Chi-sq(18)= 100.83 P-val=0.0000

Stock-Wright LM S statistic Chi-sq(18)= 27.19 P-val=0.0756

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	191505
Number of regressors	K =	19
Number of endogenous regressors	K1 =	18
Number of instruments	L =	19
Number of excluded instruments	L1 =	18
Number of partialled-out regressors/IVs =		99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation


```

pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
    partialled-out variables

```

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

srvroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.001667	.0012845	-1.30	0.194	-.0041846	.0008505

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .001667

srvroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-3.79e-17	.0012845	-0.00	1.000	-.0025176	.0025176

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
0

srvroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.000648	.0023661	-0.27	0.784	-.0052855	.0039895

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
.000648

srvroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-4.88e-17	.0023661	-0.00	1.000	-.0046375	.0046375

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 17.34
 Prob > chi2 = 0.0436

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 29.42
 Prob > chi2 = 0.0006

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_interaction_unemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: srvroll36, unemployment:
 unemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)		
	F(18, 51)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)	
mm_pl1_adj	855.85	0.0000		1641.18	0.0000		1608.64	
mm_pl3_adj	492.47	0.0000		2649.88	0.0000		2597.33	
mm_pl4_adj	500.48	0.0000		2919.16	0.0000		2861.28	
mm_pl5_adj	453.92	0.0000		2923.38	0.0000		2865.41	
mm_pl6_adj	406.87	0.0000		3182.87	0.0000		3119.76	
mm_pl7_adj	404.00	0.0000		2946.37	0.0000		2887.94	
mm_pl8_adj	422.41	0.0000		3150.09	0.0000		3087.62	
mm_pl9_adj	484.40	0.0000		2977.40	0.0000		2918.36	
mm_pl10_adj	508.29	0.0000		2961.46	0.0000		2902.73	
int_mm_pl1_a	499.91	0.0000		2938.93	0.0000		2880.66	
int_mm_pl3_a	446.42	0.0000		3643.89	0.0000		3571.63	
int_mm_pl4_a	393.69	0.0000		4123.12	0.0000		4041.36	
int_mm_pl5_a	358.50	0.0000		3598.75	0.0000		3527.39	
int_mm_pl6_a	443.76	0.0000		3900.60	0.0000		3823.25	
int_mm_pl7_a	448.42	0.0000		4160.51	0.0000		4078.00	
int_mm_pl8_a	443.05	0.0000		3582.26	0.0000		3511.22	
int_mm_pl9_a	470.37	0.0000		3562.84	0.0000		3492.19	
int_mm_pl10_a	371.09	0.0000		3793.93	0.0000		3718.69	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	21.34
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)

phase2_st | -.0133454 .0038272 -3.49 0.000 -.0208466 -.0058442

 Underidentification test (Kleibergen-Paap rk LM statistic): 18.052
 Chi-sq(1) P-val = 0.0000

 Weak identification test (Cragg-Donald Wald F statistic): 4.0e+04
 (Kleibergen-Paap rk Wald F statistic): 199.261

 Stock-Yogo weak ID test critical values: <not available>

 Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

 Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
 mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
 int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
 int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
 int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj

Included instruments: phase2_st

Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
 imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
 imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
 int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
 int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
 int_imm_pl10_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

 (1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
 - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

 srvroll36 | Coef. Std. Err. z P>|z| [95% Conf. Interval]
 -----+-----
 (1) | -.0003181 .001427 -0.22 0.824 -.003115 .0024788

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
 mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0003181

 srvroll36 | Coef. Std. Err. z P>|z| [95% Conf. Interval]
 -----+-----
 (1) | 2.74e-17 .001427 0.00 1.000 -.0027969 .0027969

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
0

srvroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0012484	.0023165	-0.54	0.590	-.0057886 .0032919

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
.0012484

srvroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-2.71e-17	.0023165	-0.00	1.000	-.0045403 .0045403

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 10.53
Prob > chi2 = 0.3091

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 11.08
Prob > chi2 = 0.2704

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_interaction_unemp.xls
dir : seeout

2 and phase 3 with interactions dependent variable: srvroll48, unemployment:
unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(18, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_pl1_adj	855.85	0.0000	1641.18	0.0000	1608.64	
mm_pl3_adj	492.47	0.0000	2649.88	0.0000	2597.33	
mm_pl4_adj	500.48	0.0000	2919.16	0.0000	2861.28	

mm_pl5_adj	453.92	0.0000	2923.38	0.0000	2865.41
mm_pl6_adj	406.87	0.0000	3182.87	0.0000	3119.76
mm_pl7_adj	404.00	0.0000	2946.37	0.0000	2887.94
mm_pl8_adj	422.41	0.0000	3150.09	0.0000	3087.62
mm_pl9_adj	484.40	0.0000	2977.40	0.0000	2918.36
mm_pl10_adj	508.29	0.0000	2961.46	0.0000	2902.73
int_mm_pl1_a	499.91	0.0000	2938.93	0.0000	2880.66
int_mm_pl3_a	446.42	0.0000	3643.89	0.0000	3571.63
int_mm_pl4_a	393.69	0.0000	4123.12	0.0000	4041.36
int_mm_pl5_a	358.50	0.0000	3598.75	0.0000	3527.39
int_mm_pl6_a	443.76	0.0000	3900.60	0.0000	3823.25
int_mm_pl7_a	448.42	0.0000	4160.51	0.0000	4078.00
int_mm_pl8_a	443.05	0.0000	3582.26	0.0000	3511.22
int_mm_pl9_a	470.37	0.0000	3562.84	0.0000	3492.19
int_mm_pl10_a	371.09	0.0000	3793.93	0.0000	3718.69

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	21.34
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=18.05 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 39947.89

Kleibergen-Paap Wald rk F statistic 199.26

Stock-Yogo weak ID test critical values for K1=18 and L1=18:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(18,51)= 1.67 P-val=0.0772

Anderson-Rubin Wald test Chi-sq(18)= 30.67 P-val=0.0314

Stock-Wright LM S statistic Chi-sq(18)= 16.78 P-val=0.5384

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 191505

Number of regressors K = 19

Number of endogenous regressors K1 = 18

Number of instruments L = 19

Number of excluded instruments L1 = 18

Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state


```

st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons

```

nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

srvroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0002448	.0016065	-0.15	0.879	-.0033935	.0029039

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0002448

srvroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	3.40e-17	.0016065	0.00	1.000	-.0031487	.0031487

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
0

srvroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0001966	.0023087	-0.09	0.932	-.0047215	.0043284

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
.0001966

srvroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	2.88e-17	.0023087	0.00	1.000	-.0045249	.0045249

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 9.15
Prob > chi2 = 0.4237

(1) int_mm_pl1_adj = 0


```
( 2) int_mm_pl3_adj = 0
( 3) int_mm_pl4_adj = 0
( 4) int_mm_pl5_adj = 0
( 5) int_mm_pl6_adj = 0
( 6) int_mm_pl7_adj = 0
( 7) int_mm_pl8_adj = 0
( 8) int_mm_pl9_adj = 0
( 9) int_mm_pl10_adj = 0
```

```
chi2( 9) = 8.99
Prob > chi2 = 0.4381
```

```
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_interaction_unemp.xls
dir : seeout
```

2 and phase 3 with interactions dependent variable: nstwl2, unemployment: unemp

Summary results for first-stage regressions

```
-----
```

Variable			(Underid)		(Weak id)	
	F(18, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_pl1_adj	855.85	0.0000	1641.18	0.0000	1608.64	
mm_pl3_adj	492.47	0.0000	2649.88	0.0000	2597.33	
mm_pl4_adj	500.48	0.0000	2919.16	0.0000	2861.28	
mm_pl5_adj	453.92	0.0000	2923.38	0.0000	2865.41	
mm_pl6_adj	406.87	0.0000	3182.87	0.0000	3119.76	
mm_pl7_adj	404.00	0.0000	2946.37	0.0000	2887.94	
mm_pl8_adj	422.41	0.0000	3150.09	0.0000	3087.62	
mm_pl9_adj	484.40	0.0000	2977.40	0.0000	2918.36	
mm_pl10_adj	508.29	0.0000	2961.46	0.0000	2902.73	
int_mm_pl1_a	499.91	0.0000	2938.93	0.0000	2880.66	
int_mm_pl3_a	446.42	0.0000	3643.89	0.0000	3571.63	
int_mm_pl4_a	393.69	0.0000	4123.12	0.0000	4041.36	
int_mm_pl5_a	358.50	0.0000	3598.75	0.0000	3527.39	
int_mm_pl6_a	443.76	0.0000	3900.60	0.0000	3823.25	
int_mm_pl7_a	448.42	0.0000	4160.51	0.0000	4078.00	
int_mm_pl8_a	443.05	0.0000	3582.26	0.0000	3511.22	
int_mm_pl9_a	470.37	0.0000	3562.84	0.0000	3492.19	
int_mm_pl10_a	371.09	0.0000	3793.93	0.0000	3718.69	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

```
5% maximal IV relative bias 21.34
10% maximal IV size 16.38
15% maximal IV size 8.96
20% maximal IV size 6.66
25% maximal IV size 5.53
```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=18.05 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 39947.89

Kleibergen-Paap Wald rk F statistic

199.26

Stock-Yogo weak ID test critical values for K1=18 and L1=18:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(18,51)= 3.60 P-val=0.0002

Anderson-Rubin Wald test Chi-sq(18)= 66.07 P-val=0.0000

Stock-Wright LM S statistic Chi-sq(18)= 14.57 P-val=0.6915

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 191505

Number of regressors K = 19

Number of endogenous regressors K1 = 18

Number of instruments L = 19

Number of excluded instruments L1 = 18

Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 191505

F(19, 51) = 6.56

Prob > F = 0.0000

Total (centered) SS = 223175.489 Centered R2 = 0.0003

Total (uncentered) SS = 223175.489 Uncentered R2 = 0.0003

Residual SS = 223097.9203 Root MSE = 1.079

nstw12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mm_p11_adj	-.0043642	.0102349	-0.43	0.670	-.0244243 .0156959
mm_p13_adj	.0170313	.0086186	1.98	0.048	.0001391 .0339235
mm_p14_adj	-.0100223	.007074	-1.42	0.157	-.0238871 .0038426
mm_p15_adj	-.0047144	.0096779	-0.49	0.626	-.0236826 .0142538
mm_p16_adj	-.0006138	.0073684	-0.08	0.934	-.0150555 .0138279
mm_p17_adj	-.0271585	.0094232	-2.88	0.004	-.0456277 -.0086893
mm_p18_adj	.0127466	.0121199	1.05	0.293	-.0110079 .0365012
mm_p19_adj	.0035725	.0057745	0.62	0.536	-.0077453 .0148903
mm_p110_adj	.012304	.0095124	1.29	0.196	-.0063399 .030948
int_mm_p11_adj	-.020103	.0157863	-1.27	0.203	-.0510436 .0108375
int_mm_p13_adj	-.0115323	.0129264	-0.89	0.372	-.0368675 .013803
int_mm_p14_adj	.0164707	.0101253	1.63	0.104	-.0033745 .0363159
int_mm_p15_adj	.0002983	.0169656	0.02	0.986	-.0329537 .0335502
int_mm_p16_adj	-.0051614	.0127964	-0.40	0.687	-.0302418 .019919
int_mm_p17_adj	.0275351	.0147679	1.86	0.062	-.0014095 .0564796
int_mm_p18_adj	.0047458	.0163897	0.29	0.772	-.0273773 .036869
int_mm_p19_adj	-.001733	.015953	-0.11	0.913	-.0330003 .0295342
int_mm_p110_adj	-.0081522	.0155086	-0.53	0.599	-.0385486 .0222442
phase2_st	.1319452	.0246177	5.36	0.000	.0836954 .1801949

Underidentification test (Kleibergen-Paap rk LM statistic): 18.052

Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 4.0e+04
 (Kleibergen-Paap rk Wald F statistic): 199.261
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

 Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
 mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
 int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
 int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
 int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj
 Included instruments: phase2_st
 Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
 imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
 imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
 int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
 int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
 int_imm_pl10_adj
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss imel
 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

 (1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
 - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

nstwl2	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0012187	.007138	0.17	0.864	-.0127715 .0152089

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
 mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0012187

nstwl2	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	8.67e-19	.007138	0.00	1.000	-.0139902 .0139902

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
 int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
 0

nstwl2	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)					

```
-----+-----
(1) | -.0023679 .0178563 -0.13 0.895 -.0373656 .0326298
-----+-----
```

(1) int_mm_pl11_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
.0023679

```
-----+-----
nstw12 | Coef. Std. Err. z P>|z| [95% Conf. Interval]
-----+-----
(1) | -2.99e-17 .0178563 -0.00 1.000 -.0349977 .0349977
-----+-----
```

- (1) mm_pl11_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 48.39
Prob > chi2 = 0.0000

- (1) int_mm_pl11_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 17.49
Prob > chi2 = 0.0415

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_interaction_unemp.xls
dir : seeout

2 and phase 3 with interactions dependent variable: nstw24, unemployment: unemp

Summary results for first-stage regressions

```
-----+-----
Variable | F( 18, 51) P-val | AP Chi-sq( 1) P-val | (Underid) | (Weak id)
AP F( 1, 51)
-----+-----
mm_pl11_adj | 855.85 0.0000 | 1641.18 0.0000 | 1608.64
mm_pl3_adj | 492.47 0.0000 | 2649.88 0.0000 | 2597.33
mm_pl4_adj | 500.48 0.0000 | 2919.16 0.0000 | 2861.28
mm_pl5_adj | 453.92 0.0000 | 2923.38 0.0000 | 2865.41
mm_pl6_adj | 406.87 0.0000 | 3182.87 0.0000 | 3119.76
mm_pl7_adj | 404.00 0.0000 | 2946.37 0.0000 | 2887.94
mm_pl8_adj | 422.41 0.0000 | 3150.09 0.0000 | 3087.62
mm_pl9_adj | 484.40 0.0000 | 2977.40 0.0000 | 2918.36
mm_pl10_adj | 508.29 0.0000 | 2961.46 0.0000 | 2902.73
int_mm_pl11_a | 499.91 0.0000 | 2938.93 0.0000 | 2880.66
-----+-----
```


nstw24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mm_pl1_adj	-.0264362	.02425	-1.09	0.276	-.0739653 .0210929
mm_pl3_adj	.038091	.0180975	2.10	0.035	.0026204 .0735615
mm_pl4_adj	-.0291653	.0198751	-1.47	0.142	-.0681198 .0097891
mm_pl5_adj	-.0054661	.021565	-0.25	0.800	-.0477328 .0368006
mm_pl6_adj	-.0110109	.0219696	-0.50	0.616	-.0540706 .0320487
mm_pl7_adj	-.0390849	.0238346	-1.64	0.101	-.0858 .0076301
mm_pl8_adj	.0288188	.0283855	1.02	0.310	-.0268157 .0844532
mm_pl9_adj	.0104478	.0181785	0.57	0.565	-.0251814 .046077
mm_pl10_adj	.0216341	.0225431	0.96	0.337	-.0225496 .0658177
int_mm_pl1_adj	-.0158043	.0336075	-0.47	0.638	-.0816738 .0500651
int_mm_pl3_adj	-.0210503	.0329281	-0.64	0.523	-.0855882 .0434876
int_mm_pl4_adj	.0413525	.0295367	1.40	0.162	-.0165383 .0992433
int_mm_pl5_adj	-.0208786	.0434321	-0.48	0.631	-.1060039 .0642467
int_mm_pl6_adj	-.0018785	.0339197	-0.06	0.956	-.0683598 .0646028
int_mm_pl7_adj	.0503917	.035175	1.43	0.152	-.01855 .1193334
int_mm_pl8_adj	.0098732	.038103	0.26	0.796	-.0648072 .0845537
int_mm_pl9_adj	-.0113561	.036158	-0.31	0.753	-.0822244 .0595122
int_mm_pl10_adj	-.0213681	.0388804	-0.55	0.583	-.0975723 .054836
phase2_st	.2890606	.0522084	5.54	0.000	.186734 .3913873

Underidentification test (Kleibergen-Paap rk LM statistic): 18.052
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 4.0e+04
(Kleibergen-Paap rk Wald F statistic): 199.261

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj

Included instruments: phase2_st

Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss _cons

nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0121719	.0194156	0.63	0.531	-.0258819	.0502258

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0121719

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-4.51e-17	.0194156	-0.00	1.000	-.0380538	.0380538

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
0

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0092815	.042064	-0.22	0.825	-.0917255	.0731625

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
.0092815

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-3.47e-17	.042064	-0.00	1.000	-.082444	.082444

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 22.56
Prob > chi2 = 0.0073

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0

(9) int_mm_pl10_adj = 0

chi2(9) = 9.35
Prob > chi2 = 0.4060

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_interaction_unemp.xls
dir : seeout

2 and phase 3 with interactions dependent variable: nstw36, unemployment: unemp

Summary results for first-stage regressions

Variable	F(18, 51)	P-val	(Underid)		(Weak id)	
			AP Chi-sq(1)	P-val	AP F(1, 51)	
mm_pl1_adj	855.85	0.0000	1641.18	0.0000	1608.64	
mm_pl3_adj	492.47	0.0000	2649.88	0.0000	2597.33	
mm_pl4_adj	500.48	0.0000	2919.16	0.0000	2861.28	
mm_pl5_adj	453.92	0.0000	2923.38	0.0000	2865.41	
mm_pl6_adj	406.87	0.0000	3182.87	0.0000	3119.76	
mm_pl7_adj	404.00	0.0000	2946.37	0.0000	2887.94	
mm_pl8_adj	422.41	0.0000	3150.09	0.0000	3087.62	
mm_pl9_adj	484.40	0.0000	2977.40	0.0000	2918.36	
mm_pl10_adj	508.29	0.0000	2961.46	0.0000	2902.73	
int_mm_pl1_a	499.91	0.0000	2938.93	0.0000	2880.66	
int_mm_pl3_a	446.42	0.0000	3643.89	0.0000	3571.63	
int_mm_pl4_a	393.69	0.0000	4123.12	0.0000	4041.36	
int_mm_pl5_a	358.50	0.0000	3598.75	0.0000	3527.39	
int_mm_pl6_a	443.76	0.0000	3900.60	0.0000	3823.25	
int_mm_pl7_a	448.42	0.0000	4160.51	0.0000	4078.00	
int_mm_pl8_a	443.05	0.0000	3582.26	0.0000	3511.22	
int_mm_pl9_a	470.37	0.0000	3562.84	0.0000	3492.19	
int_mm_pl10_	371.09	0.0000	3793.93	0.0000	3718.69	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	21.34
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=18.05 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 39947.89

Kleibergen-Paap Wald rk F statistic 199.26

Stock-Yogo weak ID test critical values for K1=18 and L1=18:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj

Included instruments: phase2_st

Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss imel
ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0156033	.0313079	0.50	0.618	-.0457591 .0769656

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0156033

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-3.12e-17	.0313079	-0.00	1.000	-.0613624 .0613624

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
0

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0122411	.0645142	-0.19	0.850	-.1386867 .1142044

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
.0122411

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-4.16e-17	.0645142	-0.00	1.000	-.1264456	.1264456

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 19.20
 Prob > chi2 = 0.0236

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 9.22
 Prob > chi2 = 0.4173

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_interaction_unemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: nstw48, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(18, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	P-val
mm_pl1_adj	855.85	0.0000	1641.18	0.0000	1608.64	
mm_pl3_adj	492.47	0.0000	2649.88	0.0000	2597.33	
mm_pl4_adj	500.48	0.0000	2919.16	0.0000	2861.28	
mm_pl5_adj	453.92	0.0000	2923.38	0.0000	2865.41	
mm_pl6_adj	406.87	0.0000	3182.87	0.0000	3119.76	
mm_pl7_adj	404.00	0.0000	2946.37	0.0000	2887.94	
mm_pl8_adj	422.41	0.0000	3150.09	0.0000	3087.62	
mm_pl9_adj	484.40	0.0000	2977.40	0.0000	2918.36	
mm_pl10_adj	508.29	0.0000	2961.46	0.0000	2902.73	
int_mm_pl1_a	499.91	0.0000	2938.93	0.0000	2880.66	
int_mm_pl3_a	446.42	0.0000	3643.89	0.0000	3571.63	
int_mm_pl4_a	393.69	0.0000	4123.12	0.0000	4041.36	
int_mm_pl5_a	358.50	0.0000	3598.75	0.0000	3527.39	
int_mm_pl6_a	443.76	0.0000	3900.60	0.0000	3823.25	
int_mm_pl7_a	448.42	0.0000	4160.51	0.0000	4078.00	
int_mm_pl8_a	443.05	0.0000	3582.26	0.0000	3511.22	
int_mm_pl9_a	470.37	0.0000	3562.84	0.0000	3492.19	

int_mm_pl10_ | 371.09 0.0000 | 3793.93 0.0000 | 3718.69

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 21.34
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=18.05 P-val=0.0000

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 39947.89
 Kleibergen-Paap Wald rk F statistic 199.26

Stock-Yogo weak ID test critical values for K1=18 and L1=18: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(18,51)= 1.46 P-val=0.1459
 Anderson-Rubin Wald test Chi-sq(18)= 26.78 P-val=0.0833
 Stock-Wright LM S statistic Chi-sq(18)= 9.49 P-val=0.9472

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 191505
 Number of regressors K = 19
 Number of endogenous regressors K1 = 18
 Number of instruments L = 19
 Number of excluded instruments L1 = 18
 Number of partialled-out regressors/IVs = 99
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 191505
 F(19, 51) = 4.50
 Prob > F = 0.0000
 Total (centered) SS = 6677294.677 Centered R2 = 0.0002
 Total (uncentered) SS = 6677294.677 Uncentered R2 = 0.0002
 Residual SS = 6676017.986 Root MSE = 5.904

	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
nstw48						
mm_pl1_adj	-.0645879	.0572766	-1.13	0.259	-.176848	.0476722
mm_pl3_adj	.0946065	.0539698	1.75	0.080	-.0111723	.2003854

mm_pl4_adj	-.0537516	.0546549	-0.98	0.325	-.1608733	.05337
mm_pl5_adj	-.0367461	.0480039	-0.77	0.444	-.130832	.0573399
mm_pl6_adj	-.0284834	.070799	-0.40	0.687	-.1672468	.1102801
mm_pl7_adj	-.0111399	.0534045	-0.21	0.835	-.1158108	.0935309
mm_pl8_adj	.0684822	.0511326	1.34	0.180	-.031736	.1687003
mm_pl9_adj	-.0253248	.0354547	-0.71	0.475	-.0948147	.0441651
mm_pl10_adj	.0278142	.0612136	0.45	0.650	-.0921621	.1477906
int_mm_pl1_adj	.0339426	.0808622	0.42	0.675	-.1245444	.1924296
int_mm_pl3_adj	-.0908204	.0886658	-1.02	0.306	-.2646022	.0829615
int_mm_pl4_adj	.1166651	.0769086	1.52	0.129	-.0340729	.2674031
int_mm_pl5_adj	-.0196706	.1024556	-0.19	0.848	-.2204799	.1811388
int_mm_pl6_adj	.0299399	.0937735	0.32	0.750	-.1538528	.2137325
int_mm_pl7_adj	.0569905	.0829469	0.69	0.492	-.1055823	.2195634
int_mm_pl8_adj	-.0317435	.0849743	-0.37	0.709	-.1982901	.1348031
int_mm_pl9_adj	.0032788	.0656261	0.05	0.960	-.125346	.1319036
int_mm_pl10_adj	-.0794472	.1005411	-0.79	0.429	-.2765042	.1176097
phase2_st	.4699795	.1086877	4.32	0.000	.2569554	.6830035

Underidentification test (Kleibergen-Paap rk LM statistic): 18.052
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 4.0e+04
(Kleibergen-Paap rk Wald F statistic): 199.261

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0291308	.0458003	0.64	0.525	-.0606362	.1188978

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0291308

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-3.47e-18	.0458003	-0.00	1.000	-.089767	.089767

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj - int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj = 0

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0191352	.0873952	-0.22	0.827	-.1904268	.1521563

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj + int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj = .0191352

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-4.86e-17	.0873952	-0.00	1.000	-.1712915	.1712915

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 23.09
Prob > chi2 = 0.0060

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 6.02
Prob > chi2 = 0.7380

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_interaction_unemp.xls

dir : seeout

Phase 1 NO NY dependent variable: ldwroll12, unemployment: nounemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mml_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
F(3, 51) = 1.3e+06
Prob > F = 0.0000
Total (centered) SS = 17561.71918 Centered R2 = 0.9865
Total (uncentered) SS = 17561.71918 Uncentered R2 = 0.9865
Residual SS = 237.8712816 Root MSE = .07439

mml_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9970825	.0005095	1957.10	0.000	.9960597	.9981053
imm3_adj	-.0021054	.000305	-6.90	0.000	-.0027177	-.0014931
imm4_adj	-.0026682	.0004632	-5.76	0.000	-.0035981	-.0017383

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 1.3e+06
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 3.8e+06
Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
F(3, 51) = 2.8e+05
Prob > F = 0.0000
Total (centered) SS = 23969.87288 Centered R2 = 0.9860
Total (uncentered) SS = 23969.87288 Uncentered R2 = 0.9860
Residual SS = 335.5645681 Root MSE = .08836

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009354	.0002769	-3.38	0.001	-.0014913	-.0003796
imm3_adj	.991287	.0011619	853.16	0.000	.9889544	.9936197

```
imm4_adj | -.0002019 .0004136 -0.49 0.628 -.0010323 .0006284
```

```
-----
Included instruments: imm1_adj imm3_adj imm4_adj
-----
```

F test of excluded instruments:

```
F( 3, 51) = 2.8e+05
Prob > F = 0.0000
```

Angrist-Pischke multivariate F test of excluded instruments:

```
F( 1, 51) = 7.3e+05
Prob > F = 0.0000
```

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

```
Number of clusters (tsd_state) = 52
Number of obs = 43080
F( 3, 51) = 3.3e+05
Prob > F = 0.0000
Centered R2 = 0.9876
Uncentered R2 = 0.9876
Root MSE = .09208

Total (centered) SS = 29483.33607
Total (uncentered) SS = 29483.33607
Residual SS = 364.4154244
```

```
-----
mm4_adj | Coef. Robust Std. Err. t P>|t| [95% Conf. Interval]
-----+-----
imm1_adj | -.0009814 .0003069 -3.20 0.002 -.0015976 -.0003652
imm3_adj | .0003089 .0007098 0.44 0.665 -.0011162 .0017339
imm4_adj | .9910805 .0011894 833.28 0.000 .9886927 .9934682
-----
```

```
Included instruments: imm1_adj imm3_adj imm4_adj
-----
```

F test of excluded instruments:

```
F( 3, 51) = 3.3e+05
Prob > F = 0.0000
```

Angrist-Pischke multivariate F test of excluded instruments:

```
F( 1, 51) = 6.9e+05
Prob > F = 0.0000
```

Summary results for first-stage regressions

```
-----
Variable | F( 3, 51) P-val | (Underid) AP Chi-sq( 1) P-val | (Weak id) AP F( 1, 51)
-----+-----+-----+-----
mm1_adj | 1.3e+06 0.0000 | 3.9e+06 0.0000 | 3.8e+06
mm3_adj | 2.8e+05 0.0000 | 7.4e+05 0.0000 | 7.3e+05
mm4_adj | 3.3e+05 0.0000 | 7.1e+05 0.0000 | 6.9e+05
-----
```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

```
5% maximal IV relative bias 13.91
10% maximal IV size 16.38
15% maximal IV size 8.96
20% maximal IV size 6.66
25% maximal IV size 5.53
```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=7.50 P-val=0.0062

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 9.4e+05

Kleibergen-Paap Wald rk F statistic 1.9e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,51)= 3.46 P-val=0.0230

Anderson-Rubin Wald test Chi-sq(3)= 10.59 P-val=0.0141

Stock-Wright LM S statistic Chi-sq(3)= 5.48 P-val=0.1398

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 43080

Number of regressors K = 3

Number of endogenous regressors K1 = 3

Number of instruments L = 3

Number of excluded instruments L1 = 3

Number of partialled-out regressors/IVs = 95

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080

F(3, 51) = 3.46

Prob > F = 0.0230

Total (centered) SS = 889.403882 Centered R2 = 0.0001

Total (uncentered) SS = 889.403882 Uncentered R2 = 0.0001

Residual SS = 889.293413 Root MSE = .1437

ldwroll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj	.0025877	.002029	1.28	0.202	-.0013891	.0065645
mm3_adj	-.0009897	.0009872	-1.00	0.316	-.0029246	.0009452
mm4_adj	-.0020957	.0007603	-2.76	0.006	-.0035859	-.0006056

Underidentification test (Kleibergen-Paap rk LM statistic): 7.500

Chi-sq(1) P-val = 0.0062

Weak identification test (Cragg-Donald Wald F statistic): 9.4e+05

(Kleibergen-Paap rk Wald F statistic): 1.9e+05

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000

(equation exactly identified)

```

-----
Instrumented:      mm1_adj mm3_adj mm4_adj
Included instruments:
Excluded instruments: imm1_adj imm3_adj imm4_adj
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
                  st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
                  st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial
                  pia_miss ime1 ime_miss_cons
                  nb: small-sample adjustments account for
                       partialled-out variables
Dropped collinear: st_ND st_NY
-----

```

(1) - mm1_adj - mm3_adj - mm4_adj = 0

ldwroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0004978	.0017985	0.28	0.782	-.0030272	.0040227

(1) mm1_adj + mm3_adj + mm4_adj = -.0004978

ldwroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	2.93e-17	.0017985	0.00	1.000	-.003525	.003525

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

```

      chi2( 1) =    0.07
Prob > chi2 =    0.7863

```

(1) mm1_adj = 0
(2) mm3_adj = 0
(3) mm4_adj = 0

```

      chi2( 3) =   10.60
Prob > chi2 =    0.0141

```

(1) mm1_adj + mm3_adj + mm4_adj = 0

```

      chi2( 1) =    0.08
Prob > chi2 =    0.7820

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\Mode1D\IV
_PH1NONY_nounemp.xls
dir : seeout

```

Phase 1 NO NY dependent variable: ldwroll24, unemployment: nounemp

F test of excluded instruments:

F(3, 51) = 2.8e+05

Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 7.3e+05

Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52

Number of obs = 43080

F(3, 51) = 3.3e+05

Prob > F = 0.0000

Total (centered) SS = 29483.33607

Centered R2 = 0.9876

Total (uncentered) SS = 29483.33607

Uncentered R2 = 0.9876

Residual SS = 364.4154244

Root MSE = .09208

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009814	.0003069	-3.20	0.002	-.0015976	-.0003652
imm3_adj	.0003089	.0007098	0.44	0.665	-.0011162	.0017339
imm4_adj	.9910805	.0011894	833.28	0.000	.9886927	.9934682

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 3.3e+05

Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 6.9e+05

Prob > F = 0.0000

Summary results for first-stage regressions

Variable	F(3, 51)		(Underid)		(Weak id)	
	F	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm1_adj	1.3e+06	0.0000	3.9e+06	0.0000	3.8e+06	
mm3_adj	2.8e+05	0.0000	7.4e+05	0.0000	7.3e+05	
mm4_adj	3.3e+05	0.0000	7.1e+05	0.0000	6.9e+05	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pia1
 pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables
 Dropped collinear: st_ND st_NY

(1) - mm1_adj - mm3_adj - mm4_adj = 0

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0000599	.0029192	0.02	0.984	-.0056615 .0057813

(1) mm1_adj + mm3_adj + mm4_adj = -.0000599

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	1.84e-17	.0029192	0.00	1.000	-.0057214 .0057214

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.63
 Prob > chi2 = 0.4266

(1) mm1_adj = 0
 (2) mm3_adj = 0
 (3) mm4_adj = 0

chi2(3) = 0.77
 Prob > chi2 = 0.8571

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.00
 Prob > chi2 = 0.9836

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NONY_nounemp.xls
 dir : seeout

Phase 1 NO NY dependent variable: ldwroll36, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
F(3, 51) = 1.3e+06
Prob > F = 0.0000
Total (centered) SS = 17561.71918 Centered R2 = 0.9865
Total (uncentered) SS = 17561.71918 Uncentered R2 = 0.9865
Residual SS = 237.8712816 Root MSE = .07439

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9970825	.0005095	1957.10	0.000	.9960597	.9981053
imm3_adj	-.0021054	.000305	-6.90	0.000	-.0027177	-.0014931
imm4_adj	-.0026682	.0004632	-5.76	0.000	-.0035981	-.0017383

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 1.3e+06
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 3.8e+06
Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
F(3, 51) = 2.8e+05
Prob > F = 0.0000
Total (centered) SS = 23969.87288 Centered R2 = 0.9860
Total (uncentered) SS = 23969.87288 Uncentered R2 = 0.9860
Residual SS = 335.5645681 Root MSE = .08836

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009354	.0002769	-3.38	0.001	-.0014913	-.0003796
imm3_adj	.991287	.0011619	853.16	0.000	.9889544	.9936197
imm4_adj	-.0002019	.0004136	-0.49	0.628	-.0010323	.0006284

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 2.8e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 9.4e+05
 Kleibergen-Paap Wald rk F statistic 1.9e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(3,51)= 0.77 P-val=0.5161
 Anderson-Rubin Wald test Chi-sq(3)= 2.36 P-val=0.5009
 Stock-Wright LM S statistic Chi-sq(3)= 1.32 P-val=0.7254

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 43080
 Number of regressors K = 3
 Number of endogenous regressors K1 = 3
 Number of instruments L = 3
 Number of excluded instruments L1 = 3
 Number of partialled-out regressors/IVs = 95
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
 F(3, 51) = 0.77
 Prob > F = 0.5161
 Total (centered) SS = 2313.204494 Centered R2 = 0.0000
 Total (uncentered) SS = 2313.204494 Uncentered R2 = 0.0000
 Residual SS = 2313.125824 Root MSE = .2317

ldwroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj	.0029798	.0026955	1.11	0.269	-.0023033	.0082629
mm3_adj	-.0020381	.0018154	-1.12	0.262	-.0055962	.0015201
mm4_adj	.0001949	.0029798	0.07	0.948	-.0056455	.0060352

Underidentification test (Kleibergen-Paap rk LM statistic): 7.500
 Chi-sq(1) P-val = 0.0062

Weak identification test (Cragg-Donald Wald F statistic): 9.4e+05
 (Kleibergen-Paap rk Wald F statistic): 1.9e+05
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm1_adj mm3_adj mm4_adj
 Included instruments:
 Excluded instruments: imm1_adj imm3_adj imm4_adj
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1

```

tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial
pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables

```

Dropped collinear: st_ND st_NY

(1) - mm1_adj - mm3_adj - mm4_adj = 0

ldwroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0011366	.0023378	-0.49	0.627	-.0057186 .0034455

(1) mm1_adj + mm3_adj + mm4_adj = .0011366

ldwroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-1.06e-17	.0023378	-0.00	1.000	-.004582 .004582

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

```

chi2( 1) = 1.31
Prob > chi2 = 0.2533

```

(1) mm1_adj = 0
(2) mm3_adj = 0
(3) mm4_adj = 0

```

chi2( 3) = 2.36
Prob > chi2 = 0.5009

```

(1) mm1_adj + mm3_adj + mm4_adj = 0

```

chi2( 1) = 0.24
Prob > chi2 = 0.6268

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PHLNONY_nounemp.xls
dir : seeout

```

```

***Phase 1 NO NY*** dependent variable: ldwroll48, unemployment: nounemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

```

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	1.3e+06
		Prob > F =	0.0000
Total (centered) SS =	17561.71918	Centered R2 =	0.9865
Total (uncentered) SS =	17561.71918	Uncentered R2 =	0.9865
Residual SS =	237.8712816	Root MSE =	.07439

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9970825	.0005095	1957.10	0.000	.9960597	.9981053
imm3_adj	-.0021054	.000305	-6.90	0.000	-.0027177	-.0014931
imm4_adj	-.0026682	.0004632	-5.76	0.000	-.0035981	-.0017383

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 1.3e+06
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 3.8e+06
 Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	2.8e+05
		Prob > F =	0.0000
Total (centered) SS =	23969.87288	Centered R2 =	0.9860
Total (uncentered) SS =	23969.87288	Uncentered R2 =	0.9860
Residual SS =	335.5645681	Root MSE =	.08836

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009354	.0002769	-3.38	0.001	-.0014913	-.0003796
imm3_adj	.991287	.0011619	853.16	0.000	.9889544	.9936197
imm4_adj	-.0002019	.0004136	-0.49	0.628	-.0010323	.0006284

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 2.8e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 7.3e+05
 Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	3.3e+05
		Prob > F =	0.0000
Total (centered) SS =	29483.33607	Centered R2 =	0.9876
Total (uncentered) SS =	29483.33607	Uncentered R2 =	0.9876
Residual SS =	364.4154244	Root MSE =	.09208

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009814	.0003069	-3.20	0.002	-.0015976	-.0003652
imm3_adj	.0003089	.0007098	0.44	0.665	-.0011162	.0017339
imm4_adj	.9910805	.0011894	833.28	0.000	.9886927	.9934682

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 3.3e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 6.9e+05
 Prob > F = 0.0000

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(3, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm1_adj	1.3e+06	0.0000	3.9e+06	0.0000	3.8e+06	
mm3_adj	2.8e+05	0.0000	7.4e+05	0.0000	7.3e+05	
mm4_adj	3.3e+05	0.0000	7.1e+05	0.0000	6.9e+05	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=7.50 P-val=0.0062

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 9.4e+05

Kleibergen-Paap Wald rk F statistic 1.9e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(3,51)=	1.12	P-val=0.3513
Anderson-Rubin Wald test	Chi-sq(3)=	3.42	P-val=0.3311
Stock-Wright LM S statistic	Chi-sq(3)=	1.83	P-val=0.6092

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	43080
Number of regressors	K =	3
Number of endogenous regressors	K1 =	3
Number of instruments	L =	3
Number of excluded instruments	L1 =	3
Number of partialled-out regressors/IVs	=	95

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	1.12
		Prob > F =	0.3511
Total (centered) SS =	2818.174104	Centered R2 =	0.0000
Total (uncentered) SS =	2818.174104	Uncentered R2 =	0.0000
Residual SS =	2818.05842	Root MSE =	.2558

ldwroll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj	.0024973	.0031866	0.78	0.433	-.0037482	.0087429
mm3_adj	-.0028138	.0017656	-1.59	0.111	-.0062743	.0006466
mm4_adj	.0014713	.0035087	0.42	0.675	-.0054056	.0083481

Underidentification test (Kleibergen-Paap rk LM statistic): 7.500
 Chi-sq(1) P-val = 0.0062

Weak identification test (Cragg-Donald Wald F statistic): 9.4e+05
 (Kleibergen-Paap rk Wald F statistic): 1.9e+05

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm1_adj mm3_adj mm4_adj
 Included instruments:
 Excluded instruments: imm1_adj imm3_adj imm4_adj
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag

```

twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial
pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables

```

Dropped collinear: st_ND st_NY

(1) - mm1_adj - mm3_adj - mm4_adj = 0

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0011548	.002421	-0.48	0.633	-.0058999	.0035904

(1) mm1_adj + mm3_adj + mm4_adj = .0011548

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	2.71e-17	.002421	0.00	1.000	-.0047451	.0047451

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

```

chi2( 1) = 2.60
Prob > chi2 = 0.1067

```

(1) mm1_adj = 0
(2) mm3_adj = 0
(3) mm4_adj = 0

```

chi2( 3) = 3.42
Prob > chi2 = 0.3309

```

(1) mm1_adj + mm3_adj + mm4_adj = 0

```

chi2( 1) = 0.23
Prob > chi2 = 0.6334

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH1NONY_nounemp.xls
dir : seeout

```

```

***Phase 1 NO NY*** dependent variable: eperoll12, unemployment: nounemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

```

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
F(3, 51) = 1.3e+06
Prob > F = 0.0000
Total (centered) SS = 17561.71918 Centered R2 = 0.9865
Total (uncentered) SS = 17561.71918 Uncentered R2 = 0.9865
Residual SS = 237.8712816 Root MSE = .07439

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9970825	.0005095	1957.10	0.000	.9960597	.9981053
imm3_adj	-.0021054	.000305	-6.90	0.000	-.0027177	-.0014931
imm4_adj	-.0026682	.0004632	-5.76	0.000	-.0035981	-.0017383

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 1.3e+06
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 3.8e+06
Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
F(3, 51) = 2.8e+05
Prob > F = 0.0000
Total (centered) SS = 23969.87288 Centered R2 = 0.9860
Total (uncentered) SS = 23969.87288 Uncentered R2 = 0.9860
Residual SS = 335.5645681 Root MSE = .08836

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009354	.0002769	-3.38	0.001	-.0014913	-.0003796
imm3_adj	.991287	.0011619	853.16	0.000	.9889544	.9936197
imm4_adj	-.0002019	.0004136	-0.49	0.628	-.0010323	.0006284

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 2.8e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 7.3e+05
Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Ho: B1=0 and orthogonality conditions are valid
Anderson-Rubin Wald test F(3,51)= 0.14 P-val=0.9377
Anderson-Rubin Wald test Chi-sq(3)= 0.42 P-val=0.9363
Stock-Wright LM S statistic Chi-sq(3)= 0.41 P-val=0.9382

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
Number of observations N = 43080
Number of regressors K = 3
Number of endogenous regressors K1 = 3
Number of instruments L = 3
Number of excluded instruments L1 = 3
Number of partialled-out regressors/IVs = 95
NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
F(3, 51) = 0.14
Prob > F = 0.9377
Total (centered) SS = 1065.087866 Centered R2 = 0.0000
Total (uncentered) SS = 1065.087866 Uncentered R2 = 0.0000
Residual SS = 1065.073588 Root MSE = .1572

eperoll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj	.0002767	.0014222	0.19	0.846	-.0025108	.0030641
mm3_adj	.0005848	.00103	0.57	0.570	-.001434	.0026036
mm4_adj	-.0002786	.0012946	-0.22	0.830	-.002816	.0022588

Underidentification test (Kleibergen-Paap rk LM statistic): 7.500
Chi-sq(1) P-val = 0.0062

Weak identification test (Cragg-Donald Wald F statistic): 9.4e+05
(Kleibergen-Paap rk Wald F statistic): 1.9e+05
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm1_adj mm3_adj mm4_adj
Included instruments:
Excluded instruments: imm1_adj imm3_adj imm4_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV

Total (centered) SS	=	17561.71918	Prob > F	=	0.0000
Total (uncentered) SS	=	17561.71918	Centered R2	=	0.9865
Residual SS	=	237.8712816	Uncentered R2	=	0.9865
			Root MSE	=	.07439

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9970825	.0005095	1957.10	0.000	.9960597	.9981053
imm3_adj	-.0021054	.000305	-6.90	0.000	-.0027177	-.0014931
imm4_adj	-.0026682	.0004632	-5.76	0.000	-.0035981	-.0017383

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 1.3e+06

Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 3.8e+06

Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52

Number of obs = 43080

F(3, 51) = 2.8e+05

Prob > F = 0.0000

Total (centered) SS = 23969.87288

Centered R2 = 0.9860

Total (uncentered) SS = 23969.87288

Uncentered R2 = 0.9860

Residual SS = 335.5645681

Root MSE = .08836

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009354	.0002769	-3.38	0.001	-.0014913	-.0003796
imm3_adj	.991287	.0011619	853.16	0.000	.9889544	.9936197
imm4_adj	-.0002019	.0004136	-0.49	0.628	-.0010323	.0006284

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 2.8e+05

Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 7.3e+05

Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52

Number of obs = 43080

		F(3, 51) = 3.3e+05
		Prob > F = 0.0000
Total (centered) SS	= 29483.33607	Centered R2 = 0.9876
Total (uncentered) SS	= 29483.33607	Uncentered R2 = 0.9876
Residual SS	= 364.4154244	Root MSE = .09208

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009814	.0003069	-3.20	0.002	-.0015976	-.0003652
imm3_adj	.0003089	.0007098	0.44	0.665	-.0011162	.0017339
imm4_adj	.9910805	.0011894	833.28	0.000	.9886927	.9934682

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 3.3e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 6.9e+05
 Prob > F = 0.0000

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 51)	P-val	AP Chi-sq(1)	P-val
mm1_adj	1.3e+06	0.0000	3.9e+06	0.0000
mm3_adj	2.8e+05	0.0000	7.4e+05	0.0000
mm4_adj	3.3e+05	0.0000	7.1e+05	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=7.50 P-val=0.0062

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 9.4e+05

Kleibergen-Paap Wald rk F statistic 1.9e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,51)= 0.33 P-val=0.8036

Anderson-Rubin Wald test Chi-sq(3)= 1.01 P-val=0.7983

Stock-Wright LM S statistic Chi-sq(3)= 0.72 P-val=0.8690

partialled-out variables

Dropped collinear: st_ND st_NY

(1) - mm1_adj - mm3_adj - mm4_adj = 0

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0008574	.0012809	-0.67	0.503	-.0033679 .0016531

(1) mm1_adj + mm3_adj + mm4_adj = .0008574

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-5.00e-17	.0012809	-0.00	1.000	-.0025105 .0025105

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.69
 Prob > chi2 = 0.4076

- (1) mm1_adj = 0
- (2) mm3_adj = 0
- (3) mm4_adj = 0

chi2(3) = 1.01
 Prob > chi2 = 0.7984

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.45
 Prob > chi2 = 0.5032

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NONY_nounemp.xls
 dir : seeout

Phase 1 NO NY dependent variable: eperoll36, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	1.3e+06
		Prob > F =	0.0000
Total (centered) SS =	17561.71918	Centered R2 =	0.9865
Total (uncentered) SS =	17561.71918	Uncentered R2 =	0.9865
Residual SS =	237.8712816	Root MSE =	.07439

```
-----
```

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9970825	.0005095	1957.10	0.000	.9960597	.9981053
imm3_adj	-.0021054	.000305	-6.90	0.000	-.0027177	-.0014931
imm4_adj	-.0026682	.0004632	-5.76	0.000	-.0035981	-.0017383

```
-----
```

Included instruments: imm1_adj imm3_adj imm4_adj

```
-----
```

F test of excluded instruments:

F(3, 51) = 1.3e+06
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 3.8e+06
 Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

```
-----
```

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	2.8e+05
		Prob > F =	0.0000
Total (centered) SS	= 23969.87288	Centered R2 =	0.9860
Total (uncentered) SS	= 23969.87288	Uncentered R2 =	0.9860
Residual SS	= 335.5645681	Root MSE =	.08836

```
-----
```

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009354	.0002769	-3.38	0.001	-.0014913	-.0003796
imm3_adj	.991287	.0011619	853.16	0.000	.9889544	.9936197
imm4_adj	-.0002019	.0004136	-0.49	0.628	-.0010323	.0006284

```
-----
```

Included instruments: imm1_adj imm3_adj imm4_adj

```
-----
```

F test of excluded instruments:

F(3, 51) = 2.8e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 7.3e+05
 Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

```
-----
```

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	3.3e+05
		Prob > F =	0.0000
Total (centered) SS	= 29483.33607	Centered R2 =	0.9876
Total (uncentered) SS	= 29483.33607	Uncentered R2 =	0.9876

Residual SS = 364.4154244 Root MSE = .09208

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009814	.0003069	-3.20	0.002	-.0015976	-.0003652
imm3_adj	.0003089	.0007098	0.44	0.665	-.0011162	.0017339
imm4_adj	.9910805	.0011894	833.28	0.000	.9886927	.9934682

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 3.3e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 6.9e+05
 Prob > F = 0.0000

Summary results for first-stage regressions

Variable	F(3, 51)		(Underid)		(Weak id)	
	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 51)
mm1_adj	1.3e+06	0.0000	3.9e+06	0.0000		3.8e+06
mm3_adj	2.8e+05	0.0000	7.4e+05	0.0000		7.3e+05
mm4_adj	3.3e+05	0.0000	7.1e+05	0.0000		6.9e+05

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias 13.91
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=7.50 P-val=0.0062

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 9.4e+05

Kleibergen-Paap Wald rk F statistic 1.9e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,51)= 0.14 P-val=0.9353

Anderson-Rubin Wald test Chi-sq(3)= 0.43 P-val=0.9338

Stock-Wright LM S statistic Chi-sq(3)= 0.35 P-val=0.9495

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust


```

Number of clusters          N_clust =      52
Number of observations      N =      43080
Number of regressors       K =      3
Number of endogenous regressors K1 =      3
Number of instruments       L =      3
Number of excluded instruments L1 =      3
Number of partialled-out regressors/IVs =      95
NB: K & L do not included partialled-out variables

```

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) =      52          Number of obs =      43080
                                                F( 3, 51) =      0.14
                                                Prob > F =      0.9353
Total (centered) SS = 2741.868216          Centered R2 =      0.0000
Total (uncentered) SS = 2741.868216      Uncentered R2 =      0.0000
Residual SS = 2741.848388                Root MSE =      .2523

```

```

-----
          |          Robust
          |          Coef.  Std. Err.      z    P>|z|    [95% Conf. Interval]
-----+-----
 eperoll36 |
 mm1_adj |   .0017521   .0030968    0.57   0.572   -.0043175   .0078218
 mm3_adj |  -.0013695   .0029312   -0.47   0.640   -.0071146   .0043755
 mm4_adj |  -.0000254   .002613    -0.01   0.992   -.0051469   .0050961
-----

```

```

Underidentification test (Kleibergen-Paap rk LM statistic):      7.500
Chi-sq(1) P-val =      0.0062

```

```

Weak identification test (Cragg-Donald Wald F statistic):      9.4e+05
(Kleibergen-Paap rk Wald F statistic):      1.9e+05
Stock-Yogo weak ID test critical values:      <not available>

```

```

Hansen J statistic (overidentification test of all instruments):      0.000
(equation exactly identified)

```

```

-----
Instrumented:      mm1_adj mm3_adj mm4_adj
Included instruments:
Excluded instruments: imm1_adj imm3_adj imm4_adj
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pia1
pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables
Dropped collinear: st_ND st_NY
-----

```

(1) - mm1_adj - mm3_adj - mm4_adj = 0

eperoll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0003572	.0019437	-0.18	0.854	-.0041668 .0034525

(1) mm1_adj + mm3_adj + mm4_adj = .0003572

eperoll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	1.98e-17	.0019437	0.00	1.000	-.0038096 .0038096

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.24
Prob > chi2 = 0.6215

(1) mm1_adj = 0
(2) mm3_adj = 0
(3) mm4_adj = 0

chi2(3) = 0.43
Prob > chi2 = 0.9338

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.03
Prob > chi2 = 0.8542

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH1NONY_nounemp.xls
dir : seeout

Phase 1 NO NY dependent variable: eperoll48, unemployment: nounemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	1.3e+06
		Prob > F =	0.0000
Total (centered) SS =	17561.71918	Centered R2 =	0.9865
Total (uncentered) SS =	17561.71918	Uncentered R2 =	0.9865
Residual SS =	237.8712816	Root MSE =	.07439

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
---------	-------	------------------	---	------	----------------------

imm1_adj		.9970825	.0005095	1957.10	0.000	.9960597	.9981053
imm3_adj		-.0021054	.000305	-6.90	0.000	-.0027177	-.0014931
imm4_adj		-.0026682	.0004632	-5.76	0.000	-.0035981	-.0017383

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 1.3e+06

Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 3.8e+06

Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52

Number of obs = 43080

F(3, 51) = 2.8e+05

Prob > F = 0.0000

Total (centered) SS = 23969.87288

Centered R2 = 0.9860

Total (uncentered) SS = 23969.87288

Uncentered R2 = 0.9860

Residual SS = 335.5645681

Root MSE = .08836

mm3_adj		Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj		-.0009354	.0002769	-3.38	0.001	-.0014913	-.0003796
imm3_adj		.991287	.0011619	853.16	0.000	.9889544	.9936197
imm4_adj		-.0002019	.0004136	-0.49	0.628	-.0010323	.0006284

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 2.8e+05

Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 7.3e+05

Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52

Number of obs = 43080

F(3, 51) = 3.3e+05

Prob > F = 0.0000

Total (centered) SS = 29483.33607

Centered R2 = 0.9876

Total (uncentered) SS = 29483.33607

Uncentered R2 = 0.9876

Residual SS = 364.4154244

Root MSE = .09208

| Robust

mm4_adj	Coef.	Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009814	.0003069	-3.20	0.002	-.0015976	-.0003652
imm3_adj	.0003089	.0007098	0.44	0.665	-.0011162	.0017339
imm4_adj	.9910805	.0011894	833.28	0.000	.9886927	.9934682

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 3.3e+05

Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 6.9e+05

Prob > F = 0.0000

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 51)	P-val	AP Chi-sq(1)	P-val
mm1_adj	1.3e+06	0.0000	3.9e+06	0.0000
mm3_adj	2.8e+05	0.0000	7.4e+05	0.0000
mm4_adj	3.3e+05	0.0000	7.1e+05	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=7.50 P-val=0.0062

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 9.4e+05

Kleibergen-Paap Wald rk F statistic 1.9e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,51)= 0.23 P-val=0.8785

Anderson-Rubin Wald test Chi-sq(3)= 0.69 P-val=0.8755

Stock-Wright LM S statistic Chi-sq(3)= 0.51 P-val=0.9168

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 43080

Number of regressors K = 3

Number of endogenous regressors K1 = 3

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 1.3e+06
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 3.8e+06
Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52

Number of obs = 43080

F(3, 51) = 2.8e+05

Prob > F = 0.0000

Total (centered) SS = 23969.87288

Centered R2 = 0.9860

Total (uncentered) SS = 23969.87288

Uncentered R2 = 0.9860

Residual SS = 335.5645681

Root MSE = .08836

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009354	.0002769	-3.38	0.001	-.0014913	-.0003796
imm3_adj	.991287	.0011619	853.16	0.000	.9889544	.9936197
imm4_adj	-.0002019	.0004136	-0.49	0.628	-.0010323	.0006284

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 2.8e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 7.3e+05
Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52

Number of obs = 43080

F(3, 51) = 3.3e+05

Prob > F = 0.0000

Total (centered) SS = 29483.33607

Centered R2 = 0.9876

Total (uncentered) SS = 29483.33607

Uncentered R2 = 0.9876

Residual SS = 364.4154244

Root MSE = .09208

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009814	.0003069	-3.20	0.002	-.0015976	-.0003652
imm3_adj	.0003089	.0007098	0.44	0.665	-.0011162	.0017339

```

imm4_adj | .9910805 .0011894 833.28 0.000 .9886927 .9934682
-----
Included instruments: imm1_adj imm3_adj imm4_adj
-----
F test of excluded instruments:
F( 3, 51) = 3.3e+05
Prob > F = 0.0000
Angrist-Pischke multivariate F test of excluded instruments:
F( 1, 51) = 6.9e+05
Prob > F = 0.0000

```

Summary results for first-stage regressions

```

-----
Variable | F( 3, 51) P-val | (Underid) AP Chi-sq( 1) P-val | (Weak id) AP F( 1, 51)
mm1_adj | 1.3e+06 0.0000 | 3.9e+06 0.0000 | 3.8e+06
mm3_adj | 2.8e+05 0.0000 | 7.4e+05 0.0000 | 7.3e+05
mm4_adj | 3.3e+05 0.0000 | 7.1e+05 0.0000 | 6.9e+05

```

NB: first-stage test statistics cluster-robust

```

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias 13.91
10% maximal IV size 16.38
15% maximal IV size 8.96
20% maximal IV size 6.66
25% maximal IV size 5.53

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=7.50 P-val=0.0062

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 9.4e+05

Kleibergen-Paap Wald rk F statistic 1.9e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,51)= 3.16 P-val=0.0322

Anderson-Rubin Wald test Chi-sq(3)= 9.70 P-val=0.0213

Stock-Wright LM S statistic Chi-sq(3)= 4.30 P-val=0.2309

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 43080

Number of regressors K = 3

Number of endogenous regressors K1 = 3

Number of instruments L = 3

Number of excluded instruments L1 = 3

Number of partialled-out regressors/IVs = 95

NB: K & L do not included partialled-out variables

(1) mm1_adj + mm3_adj + mm4_adj = .0002378

twproll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-1.39e-17	.0020866	-0.00	1.000	-.0040897	.0040897

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 2.79
 Prob > chi2 = 0.0946

(1) mm1_adj = 0
 (2) mm3_adj = 0
 (3) mm4_adj = 0

chi2(3) = 9.70
 Prob > chi2 = 0.0213

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.01
 Prob > chi2 = 0.9093

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NONY_nounemp.xls
 dir : seeout

Phase 1 NO NY dependent variable: twproll24, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	1.3e+06
		Prob > F =	0.0000
Total (centered) SS =	17561.71918	Centered R2 =	0.9865
Total (uncentered) SS =	17561.71918	Uncentered R2 =	0.9865
Residual SS =	237.8712816	Root MSE =	.07439

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9970825	.0005095	1957.10	0.000	.9960597	.9981053
imm3_adj	-.0021054	.000305	-6.90	0.000	-.0027177	-.0014931
imm4_adj	-.0026682	.0004632	-5.76	0.000	-.0035981	-.0017383

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F test of excluded instruments:

F(3, 51) = 3.3e+05

Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 6.9e+05

Prob > F = 0.0000

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(3, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm1_adj	1.3e+06	0.0000	3.9e+06	0.0000	3.8e+06	
mm3_adj	2.8e+05	0.0000	7.4e+05	0.0000	7.3e+05	
mm4_adj	3.3e+05	0.0000	7.1e+05	0.0000	6.9e+05	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=7.50 P-val=0.0062

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 9.4e+05

Kleibergen-Paap Wald rk F statistic 1.9e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,51)= 0.57 P-val=0.6398

Anderson-Rubin Wald test Chi-sq(3)= 1.74 P-val=0.6290

Stock-Wright LM S statistic Chi-sq(3)= 1.76 P-val=0.6235

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 43080

Number of regressors K = 3

Number of endogenous regressors K1 = 3

Number of instruments L = 3

Number of excluded instruments L1 = 3

Number of partialled-out regressors/IVs = 95

NB: K & L do not include partialled-out variables

IV (2SLS) estimation

```
-----+-----
(1) | -4.09e-17 .0017423 -0.00 1.000 -.0034148 .0034148
-----+-----
```

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

```
chi2( 1) = 0.01
Prob > chi2 = 0.9417
```

```
( 1) mm1_adj = 0
( 2) mm3_adj = 0
( 3) mm4_adj = 0
```

```
chi2( 3) = 1.74
Prob > chi2 = 0.6289
```

(1) mm1_adj + mm3_adj + mm4_adj = 0

```
chi2( 1) = 0.07
Prob > chi2 = 0.7961
```

```
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PhlNONY_nounemp.xls
dir : seeout
```

```
***Phase 1 NO NY*** dependent variable: twproll36, unemployment: nounemp
Warning - collinearities detected
Vars dropped: st_ND st_NY
```

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

```
Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state
```

```
Number of clusters (tsd_state) = 52 Number of obs = 43080
F( 3, 51) = 1.3e+06
Total (centered) SS = 17561.71918 Prob > F = 0.0000
Total (uncentered) SS = 17561.71918 Centered R2 = 0.9865
Residual SS = 237.8712816 Uncentered R2 = 0.9865
Root MSE = .07439
```

```
-----+-----
mm1_adj | Coef. Robust Std. Err. t P>|t| [95% Conf. Interval]
-----+-----
imm1_adj | .9970825 .0005095 1957.10 0.000 .9960597 .9981053
imm3_adj | -.0021054 .000305 -6.90 0.000 -.0027177 -.0014931
imm4_adj | -.0026682 .0004632 -5.76 0.000 -.0035981 -.0017383
-----+-----
```

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

```
F( 3, 51) = 1.3e+06
Prob > F = 0.0000
```

Angrist-Pischke multivariate F test of excluded instruments:

```
F( 1, 51) = 3.8e+06
```

Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
F(3, 51) = 2.8e+05
Prob > F = 0.0000
Total (centered) SS = 23969.87288 Centered R2 = 0.9860
Total (uncentered) SS = 23969.87288 Uncentered R2 = 0.9860
Residual SS = 335.5645681 Root MSE = .08836

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009354	.0002769	-3.38	0.001	-.0014913	-.0003796
imm3_adj	.991287	.0011619	853.16	0.000	.9889544	.9936197
imm4_adj	-.0002019	.0004136	-0.49	0.628	-.0010323	.0006284

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 2.8e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 7.3e+05
Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
F(3, 51) = 3.3e+05
Prob > F = 0.0000
Total (centered) SS = 29483.33607 Centered R2 = 0.9876
Total (uncentered) SS = 29483.33607 Uncentered R2 = 0.9876
Residual SS = 364.4154244 Root MSE = .09208

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009814	.0003069	-3.20	0.002	-.0015976	-.0003652
imm3_adj	.0003089	.0007098	0.44	0.665	-.0011162	.0017339
imm4_adj	.9910805	.0011894	833.28	0.000	.9886927	.9934682

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 3.3e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 6.9e+05
 Prob > F = 0.0000

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(3, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm1_adj	1.3e+06	0.0000	3.9e+06	0.0000	3.8e+06	
mm3_adj	2.8e+05	0.0000	7.4e+05	0.0000	7.3e+05	
mm4_adj	3.3e+05	0.0000	7.1e+05	0.0000	6.9e+05	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=7.50 P-val=0.0062

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 9.4e+05

Kleibergen-Paap Wald rk F statistic 1.9e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,51)= 0.62 P-val=0.6055

Anderson-Rubin Wald test Chi-sq(3)= 1.90 P-val=0.5935

Stock-Wright LM S statistic Chi-sq(3)= 1.51 P-val=0.6793

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 43080

Number of regressors K = 3

Number of endogenous regressors K1 = 3

Number of instruments L = 3

Number of excluded instruments L1 = 3

Number of partialled-out regressors/IVs = 95

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52

Number of obs = 43080

		F(3, 51) = 0.62
		Prob > F = 0.6054
Total (centered) SS	= 3526.418082	Centered R2 = 0.0000
Total (uncentered) SS	= 3526.418082	Uncentered R2 = 0.0000
Residual SS	= 3526.414215	Root MSE = .2861

```
-----+-----
```

twproll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj	-.0016162	.0035356	-0.46	0.648	-.008546	.0053135
mm3_adj	-.0010828	.0031783	-0.34	0.733	-.0073123	.0051466
mm4_adj	.0017599	.002026	0.87	0.385	-.002211	.0057308

```
-----+-----
```

Underidentification test (Kleibergen-Paap rk LM statistic): 7.500
Chi-sq(1) P-val = 0.0062

Weak identification test (Cragg-Donald Wald F statistic): 9.4e+05
(Kleibergen-Paap rk Wald F statistic): 1.9e+05
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

```
-----+-----
```

Instrumented: mm1_adj mm3_adj mm4_adj
Included instruments:
Excluded instruments: imm1_adj imm3_adj imm4_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial
pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables
Dropped collinear: st_ND st_NY

(1) - mm1_adj - mm3_adj - mm4_adj = 0

```
-----+-----
```

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0009392	.0018182	0.52	0.605	-.0026245	.0045028

```
-----+-----
```

(1) mm1_adj + mm3_adj + mm4_adj = -.0009392

```
-----+-----
```

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	2.82e-17	.0018182	0.00	1.000	-.0035636	.0035636

```
-----+-----
```

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.20
Prob > chi2 = 0.6548

(1) mm1_adj = 0
(2) mm3_adj = 0
(3) mm4_adj = 0

chi2(3) = 1.90
Prob > chi2 = 0.5933

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.27
Prob > chi2 = 0.6055

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH1NONY_nounemp.xls
dir : seeout

Phase 1 NO NY dependent variable: twproll48, unemployment: nounemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
F(3, 51) = 1.3e+06
Prob > F = 0.0000
Total (centered) SS = 17561.71918 Centered R2 = 0.9865
Total (uncentered) SS = 17561.71918 Uncentered R2 = 0.9865
Residual SS = 237.8712816 Root MSE = .07439

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9970825	.0005095	1957.10	0.000	.9960597	.9981053
imm3_adj	-.0021054	.000305	-6.90	0.000	-.0027177	-.0014931
imm4_adj	-.0026682	.0004632	-5.76	0.000	-.0035981	-.0017383

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 1.3e+06
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 3.8e+06
Prob > F = 0.0000

First-stage regression of mm3_adj:

Residual SS = 4095.097542 Root MSE = .3083

twproll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj	-.0036088	.0034694	-1.04	0.298	-.0104087	.0031911
mm3_adj	.0008323	.0030915	0.27	0.788	-.0052269	.0068916
mm4_adj	.0012587	.0028462	0.44	0.658	-.0043198	.0068373

Underidentification test (Kleibergen-Paap rk LM statistic): 7.500
Chi-sq(1) P-val = 0.0062

Weak identification test (Cragg-Donald Wald F statistic): 9.4e+05
(Kleibergen-Paap rk Wald F statistic): 1.9e+05

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm1_adj mm3_adj mm4_adj
Included instruments:
Excluded instruments: imm1_adj imm3_adj imm4_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pia1 pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for partialled-out variables
Dropped collinear: st_ND st_NY

(1) - mm1_adj - mm3_adj - mm4_adj = 0

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0015178	.0024332	0.62	0.533	-.0032513	.0062868

(1) mm1_adj + mm3_adj + mm4_adj = -.0015178

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-2.95e-17	.0024332	-0.00	1.000	-.004769	.004769

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.10
Prob > chi2 = 0.7463

(1) mm1_adj = 0
 (2) mm3_adj = 0
 (3) mm4_adj = 0

chi2(3) = 2.33
 Prob > chi2 = 0.5070

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.39
 Prob > chi2 = 0.5328

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NONY_nounemp.xls
 dir : seeout

Phase 1 NO NY dependent variable: srvroll12, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	1.3e+06
		Prob > F =	0.0000
Total (centered) SS	= 17561.71918	Centered R2 =	0.9865
Total (uncentered) SS	= 17561.71918	Uncentered R2 =	0.9865
Residual SS	= 237.8712816	Root MSE =	.07439

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9970825	.0005095	1957.10	0.000	.9960597	.9981053
imm3_adj	-.0021054	.000305	-6.90	0.000	-.0027177	-.0014931
imm4_adj	-.0026682	.0004632	-5.76	0.000	-.0035981	-.0017383

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 1.3e+06
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 3.8e+06
 Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Variable	(Underid)			(Weak id)		
	F(3, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm1_adj	1.3e+06	0.0000	3.9e+06	0.0000	3.8e+06	
mm3_adj	2.8e+05	0.0000	7.4e+05	0.0000	7.3e+05	
mm4_adj	3.3e+05	0.0000	7.1e+05	0.0000	6.9e+05	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=7.50 P-val=0.0062

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 9.4e+05

Kleibergen-Paap Wald rk F statistic 1.9e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,51)= 0.67 P-val=0.5774

Anderson-Rubin Wald test Chi-sq(3)= 2.04 P-val=0.5644

Stock-Wright LM S statistic Chi-sq(3)= 1.85 P-val=0.6045

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 43080

Number of regressors K = 3

Number of endogenous regressors K1 = 3

Number of instruments L = 3

Number of excluded instruments L1 = 3

Number of partialled-out regressors/IVs = 95

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080

F(3, 51) = 0.67

Prob > F = 0.5771

Centered R2 = 0.0001

Uncentered R2 = 0.0001

Root MSE = .1579

Total (centered) SS = 1074.402101

Total (uncentered) SS = 1074.402101

Residual SS = 1074.29658

| Robust

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj	-.0004005	.0011534	-0.35	0.728	-.0026611	.0018601
mm3_adj	.0017778	.0015872	1.12	0.263	-.0013331	.0048886
mm4_adj	-.0000831	.0008895	-0.09	0.926	-.0018264	.0016603

Underidentification test (Kleibergen-Paap rk LM statistic): 7.500
Chi-sq(1) P-val = 0.0062

Weak identification test (Cragg-Donald Wald F statistic): 9.4e+05
(Kleibergen-Paap rk Wald F statistic): 1.9e+05

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm1_adj mm3_adj mm4_adj
Included instruments:
Excluded instruments: imm1_adj imm3_adj imm4_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pia1 pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for partialled-out variables
Dropped collinear: st_ND st_NY

(1) - mm1_adj - mm3_adj - mm4_adj = 0

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0012943	.0011719	-1.10	0.269	-.0035911	.0010026

(1) mm1_adj + mm3_adj + mm4_adj = .0012943

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	2.28e-17	.0011719	0.00	1.000	-.0022968	.0022968

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.82
Prob > chi2 = 0.3641

- (1) mm1_adj = 0
- (2) mm3_adj = 0
- (3) mm4_adj = 0

chi2(3) = 2.04
Prob > chi2 = 0.5641

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 1.22
Prob > chi2 = 0.2694

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH1NONY_nounemp.xls
dir : seeout

Phase 1 NO NY dependent variable: srvroll24, unemployment: nounemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	1.3e+06
		Prob > F =	0.0000
Total (centered) SS =	17561.71918	Centered R2 =	0.9865
Total (uncentered) SS =	17561.71918	Uncentered R2 =	0.9865
Residual SS =	237.8712816	Root MSE =	.07439

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9970825	.0005095	1957.10	0.000	.9960597	.9981053
imm3_adj	-.0021054	.000305	-6.90	0.000	-.0027177	-.0014931
imm4_adj	-.0026682	.0004632	-5.76	0.000	-.0035981	-.0017383

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 1.3e+06
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 3.8e+06
Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	2.8e+05

Total (centered) SS	=	23969.87288	Prob > F	=	0.0000
Total (uncentered) SS	=	23969.87288	Centered R2	=	0.9860
Residual SS	=	335.5645681	Uncentered R2	=	0.9860
			Root MSE	=	.08836

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009354	.0002769	-3.38	0.001	-.0014913	-.0003796
imm3_adj	.991287	.0011619	853.16	0.000	.9889544	.9936197
imm4_adj	-.0002019	.0004136	-0.49	0.628	-.0010323	.0006284

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 2.8e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 7.3e+05
 Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080	
		F(3, 51) =	3.3e+05	
		Prob > F =	0.0000	
Total (centered) SS	=	29483.33607	Centered R2 =	0.9876
Total (uncentered) SS	=	29483.33607	Uncentered R2 =	0.9876
Residual SS	=	364.4154244	Root MSE =	.09208

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009814	.0003069	-3.20	0.002	-.0015976	-.0003652
imm3_adj	.0003089	.0007098	0.44	0.665	-.0011162	.0017339
imm4_adj	.9910805	.0011894	833.28	0.000	.9886927	.9934682

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 3.3e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 6.9e+05
 Prob > F = 0.0000

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 51)	P-val	AP Chi-sq(1)	P-val
mm1_adj	1.3e+06	0.0000	3.9e+06	0.0000
mm3_adj	2.8e+05	0.0000	7.4e+05	0.0000

mm4_adj | 3.3e+05 0.0000 | 7.1e+05 0.0000 | 6.9e+05

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=7.50 P-val=0.0062

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 9.4e+05

Kleibergen-Paap Wald rk F statistic 1.9e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,51)= 0.12 P-val=0.9478

Anderson-Rubin Wald test Chi-sq(3)= 0.37 P-val=0.9467

Stock-Wright LM S statistic Chi-sq(3)= 0.37 P-val=0.9468

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 43080

Number of regressors K = 3

Number of endogenous regressors K1 = 3

Number of instruments L = 3

Number of excluded instruments L1 = 3

Number of partialled-out regressors/IVs = 95

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080

F(3, 51) = 0.12

Prob > F = 0.9478

Total (centered) SS = 1372.869852 Centered R2 = 0.0000

Total (uncentered) SS = 1372.869852 Uncentered R2 = 0.0000

Residual SS = 1372.845367 Root MSE = .1785

srvroll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj	-.000401	.0018892	-0.21	0.832	-.0041038	.0033019
mm3_adj	.0010031	.0024991	0.40	0.688	-.0038951	.0059013

```

mm4_adj | -.0000364 .0012126 -0.03 0.976 -.002413 .0023403
-----
Underidentification test (Kleibergen-Paap rk LM statistic):          7.500
                                                                Chi-sq(1) P-val =    0.0062
-----
Weak identification test (Cragg-Donald Wald F statistic):          9.4e+05
(Kleibergen-Paap rk Wald F statistic):          1.9e+05
Stock-Yogo weak ID test critical values:          <not available>
-----
Hansen J statistic (overidentification test of all instruments):    0.000
                                                                (equation exactly identified)
-----
Instrumented:          mm1_adj mm3_adj mm4_adj
Included instruments:
Excluded instruments: imm1_adj imm3_adj imm4_adj
Partialled-out:       male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pia1
pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables
Dropped collinear:    st_ND st_NY
-----

```

(1) - mm1_adj - mm3_adj - mm4_adj = 0

```

-----
srvroll24 |      Coef.   Std. Err.      z    P>|z|      [95% Conf. Interval]
-----+-----
(1) | -0.0005658   .0010474   -0.54   0.589   -0.0026187   .0014872
-----

```

(1) mm1_adj + mm3_adj + mm4_adj = .0005658

```

-----
srvroll24 |      Coef.   Std. Err.      z    P>|z|      [95% Conf. Interval]
-----+-----
(1) | 1.92e-17   .0010474    0.00   1.000   -0.002053   .002053
-----

```

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

```

chi2( 1) = 0.11
Prob > chi2 = 0.7392

```

(1) mm1_adj = 0
(2) mm3_adj = 0
(3) mm4_adj = 0

```

chi2( 3) = 0.37
Prob > chi2 = 0.9466

```

(1) mml_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.29
Prob > chi2 = 0.5891

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH1NONY_nounemp.xls
dir : seeout

Phase 1 NO NY dependent variable: srvroll36, unemployment: nounemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mml_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
F(3, 51) = 1.3e+06
Prob > F = 0.0000
Total (centered) SS = 17561.71918 Centered R2 = 0.9865
Total (uncentered) SS = 17561.71918 Uncentered R2 = 0.9865
Residual SS = 237.8712816 Root MSE = .07439

mml_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9970825	.0005095	1957.10	0.000	.9960597	.9981053
imm3_adj	-.0021054	.000305	-6.90	0.000	-.0027177	-.0014931
imm4_adj	-.0026682	.0004632	-5.76	0.000	-.0035981	-.0017383

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 1.3e+06
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 3.8e+06
Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
F(3, 51) = 2.8e+05
Prob > F = 0.0000
Total (centered) SS = 23969.87288 Centered R2 = 0.9860
Total (uncentered) SS = 23969.87288 Uncentered R2 = 0.9860
Residual SS = 335.5645681 Root MSE = .08836

```
-----
```

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009354	.0002769	-3.38	0.001	-.0014913	-.0003796
imm3_adj	.991287	.0011619	853.16	0.000	.9889544	.9936197
imm4_adj	-.0002019	.0004136	-0.49	0.628	-.0010323	.0006284

```
-----
```

Included instruments: imm1_adj imm3_adj imm4_adj

```
-----
```

F test of excluded instruments:

F(3, 51) = 2.8e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 7.3e+05
 Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

```
-----
```

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	3.3e+05
		Prob > F =	0.0000
Total (centered) SS	= 29483.33607	Centered R2 =	0.9876
Total (uncentered) SS	= 29483.33607	Uncentered R2 =	0.9876
Residual SS	= 364.4154244	Root MSE =	.09208

```
-----
```

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009814	.0003069	-3.20	0.002	-.0015976	-.0003652
imm3_adj	.0003089	.0007098	0.44	0.665	-.0011162	.0017339
imm4_adj	.9910805	.0011894	833.28	0.000	.9886927	.9934682

```
-----
```

Included instruments: imm1_adj imm3_adj imm4_adj

```
-----
```

F test of excluded instruments:

F(3, 51) = 3.3e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 6.9e+05
 Prob > F = 0.0000

Summary results for first-stage regressions

```
-----
```

Variable	(Underid)			(Weak id)		
	F(3, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	P-val
mm1_adj	1.3e+06	0.0000	3.9e+06	0.0000	3.8e+06	
mm3_adj	2.8e+05	0.0000	7.4e+05	0.0000	7.3e+05	
mm4_adj	3.3e+05	0.0000	7.1e+05	0.0000	6.9e+05	

NB: first-stage test statistics cluster-robust


```
-----
Weak identification test (Cragg-Donald Wald F statistic):          9.4e+05
      (Kleibergen-Paap rk Wald F statistic):                    1.9e+05
Stock-Yogo weak ID test critical values:                          <not available>
-----
```

```
Hansen J statistic (overidentification test of all instruments):    0.000
      (equation exactly identified)
-----
```

```
Instrumented:      mm1_adj mm3_adj mm4_adj
Included instruments:
Excluded instruments: imm1_adj imm3_adj imm4_adj
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
                  st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
                  st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pia1
                  pia_miss ime1 ime_miss _cons
                  nb: small-sample adjustments account for
                      partialled-out variables
Dropped collinear: st_ND st_NY
-----
```

(1) - mm1_adj - mm3_adj - mm4_adj = 0

srvroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0015727	.0016391	-0.96	0.337	-.0047853 .00164

(1) mm1_adj + mm3_adj + mm4_adj = .0015727

srvroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-3.95e-17	.0016391	-0.00	1.000	-.0032126 .0032126

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

```
chi2( 1) = 0.09
Prob > chi2 = 0.7685
```

(1) mm1_adj = 0
(2) mm3_adj = 0
(3) mm4_adj = 0

```
chi2( 3) = 2.04
Prob > chi2 = 0.5633
```

(1) mm1_adj + mm3_adj + mm4_adj = 0

```
chi2( 1) = 0.92
Prob > chi2 = 0.3373
```

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NONY_nounemp.xls
 dir : seeout

Phase 1 NO NY dependent variable: srvroll48, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mml_adj:

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	1.3e+06
		Prob > F =	0.0000
Total (centered) SS =	17561.71918	Centered R2 =	0.9865
Total (uncentered) SS =	17561.71918	Uncentered R2 =	0.9865
Residual SS =	237.8712816	Root MSE =	.07439

mml_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9970825	.0005095	1957.10	0.000	.9960597	.9981053
imm3_adj	-.0021054	.000305	-6.90	0.000	-.0027177	-.0014931
imm4_adj	-.0026682	.0004632	-5.76	0.000	-.0035981	-.0017383

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 1.3e+06
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 3.8e+06
 Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	2.8e+05
		Prob > F =	0.0000
Total (centered) SS =	23969.87288	Centered R2 =	0.9860
Total (uncentered) SS =	23969.87288	Uncentered R2 =	0.9860
Residual SS =	335.5645681	Root MSE =	.08836

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	

	imm1_adj	imm3_adj	imm4_adj
imm1_adj	-.0009354	.0002769	-3.38
imm3_adj	.991287	.0011619	853.16
imm4_adj	-.0002019	.0004136	-0.49

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 2.8e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 7.3e+05
 Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	3.3e+05
		Prob > F =	0.0000
Total (centered) SS =	29483.33607	Centered R2 =	0.9876
Total (uncentered) SS =	29483.33607	Uncentered R2 =	0.9876
Residual SS =	364.4154244	Root MSE =	.09208

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]
imm1_adj	-.0009814	.0003069	-3.20	0.002	-.0015976 -.0003652
imm3_adj	.0003089	.0007098	0.44	0.665	-.0011162 .0017339
imm4_adj	.9910805	.0011894	833.28	0.000	.9886927 .9934682

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 3.3e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 6.9e+05
 Prob > F = 0.0000

Summary results for first-stage regressions

Variable	F(3, 51)		(Underid)		(Weak id)	
	P-val	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	P-val
mm1_adj	1.3e+06	0.0000	3.9e+06	0.0000	3.8e+06	
mm3_adj	2.8e+05	0.0000	7.4e+05	0.0000	7.3e+05	
mm4_adj	3.3e+05	0.0000	7.1e+05	0.0000	6.9e+05	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV size	16.38
15% maximal IV size	8.96

20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=7.50 P-val=0.0062

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 9.4e+05
 Kleibergen-Paap Wald rk F statistic 1.9e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(3,51)= 1.80 P-val=0.1594
 Anderson-Rubin Wald test Chi-sq(3)= 5.51 P-val=0.1380
 Stock-Wright LM S statistic Chi-sq(3)= 3.65 P-val=0.3012

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 43080
 Number of regressors K = 3
 Number of endogenous regressors K1 = 3
 Number of instruments L = 3
 Number of excluded instruments L1 = 3
 Number of partialled-out regressors/IVs = 95
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
 F(3, 51) = 1.80
 Prob > F = 0.1593
 Total (centered) SS = 1377.620141 Centered R2 = 0.0001
 Total (uncentered) SS = 1377.620141 Uncentered R2 = 0.0001
 Residual SS = 1377.491377 Root MSE = .1788

srvroll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj	-.000367	.001654	-0.22	0.824	-.0036087	.0028748
mm3_adj	-.000578	.0028896	-0.20	0.841	-.0062414	.0050855
mm4_adj	.0022825	.0012601	1.81	0.070	-.0001873	.0047522

Underidentification test (Kleibergen-Paap rk LM statistic): 7.500
 Chi-sq(1) P-val = 0.0062

Weak identification test (Cragg-Donald Wald F statistic): 9.4e+05
 (Kleibergen-Paap rk Wald F statistic): 1.9e+05

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm1_adj mm3_adj mm4_adj
Included instruments:
Excluded instruments: imm1_adj imm3_adj imm4_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial
pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables
Dropped collinear: st_ND st_NY

(1) - mm1_adj - mm3_adj - mm4_adj = 0

srvroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0013376	.0013975	-0.96	0.339	-.0040766 .0014015

(1) mm1_adj + mm3_adj + mm4_adj = .0013376

srvroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-8.46e-18	.0013975	-0.00	1.000	-.0027391 .0027391

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.26
Prob > chi2 = 0.6115

(1) mm1_adj = 0
(2) mm3_adj = 0
(3) mm4_adj = 0

chi2(3) = 5.51
Prob > chi2 = 0.1379

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.92
Prob > chi2 = 0.3385

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH1NONY_nounemp.xls
dir : seeout

Phase 1 NO NY dependent variable: nstwl2, unemployment: nounemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mml_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	1.3e+06
		Prob > F =	0.0000
Total (centered) SS =	17561.71918	Centered R2 =	0.9865
Total (uncentered) SS =	17561.71918	Uncentered R2 =	0.9865
Residual SS =	237.8712816	Root MSE =	.07439

mml_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9970825	.0005095	1957.10	0.000	.9960597	.9981053
imm3_adj	-.0021054	.000305	-6.90	0.000	-.0027177	-.0014931
imm4_adj	-.0026682	.0004632	-5.76	0.000	-.0035981	-.0017383

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 1.3e+06
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 3.8e+06
Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	2.8e+05
		Prob > F =	0.0000
Total (centered) SS =	23969.87288	Centered R2 =	0.9860
Total (uncentered) SS =	23969.87288	Uncentered R2 =	0.9860
Residual SS =	335.5645681	Root MSE =	.08836

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009354	.0002769	-3.38	0.001	-.0014913	-.0003796
imm3_adj	.991287	.0011619	853.16	0.000	.9889544	.9936197
imm4_adj	-.0002019	.0004136	-0.49	0.628	-.0010323	.0006284

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 2.8e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 7.3e+05
Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
F(3, 51) = 3.3e+05
Prob > F = 0.0000
Total (centered) SS = 29483.33607 Centered R2 = 0.9876
Total (uncentered) SS = 29483.33607 Uncentered R2 = 0.9876
Residual SS = 364.4154244 Root MSE = .09208

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009814	.0003069	-3.20	0.002	-.0015976	-.0003652
imm3_adj	.0003089	.0007098	0.44	0.665	-.0011162	.0017339
imm4_adj	.9910805	.0011894	833.28	0.000	.9886927	.9934682

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 3.3e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 6.9e+05
Prob > F = 0.0000

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)		
	F(3, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)
mm1_adj	1.3e+06	0.0000	3.9e+06	0.0000	3.8e+06
mm3_adj	2.8e+05	0.0000	7.4e+05	0.0000	7.3e+05
mm4_adj	3.3e+05	0.0000	7.1e+05	0.0000	6.9e+05

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias 13.91
10% maximal IV size 16.38
15% maximal IV size 8.96
20% maximal IV size 6.66
25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

Underidentification test
Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
Ha: matrix has rank=K1 (identified)
Kleibergen-Paap rk LM statistic          Chi-sq(1)=7.50      P-val=0.0062

Weak identification test
Ho: equation is weakly identified
Cragg-Donald Wald F statistic              9.4e+05
Kleibergen-Paap Wald rk F statistic        1.9e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3:
                                                <not available>

Weak-instrument-robust inference
Tests of joint significance of endogenous regressors B1 in main equation
Ho: B1=0 and orthogonality conditions are valid
Anderson-Rubin Wald test                   F(3,51)=           0.65      P-val=0.5837
Anderson-Rubin Wald test                   Chi-sq(3)=          2.01      P-val=0.5709
Stock-Wright LM S statistic                 Chi-sq(3)=          1.11      P-val=0.7738

NB: Underidentification, weak identification and weak-identification-robust
test statistics cluster-robust

Number of clusters          N_clust =           52
Number of observations      N =           43080
Number of regressors       K =              3
Number of endogenous regressors K1 =             3
Number of instruments      L =              3
Number of excluded instruments L1 =             3
Number of partialled-out regressors/IVs =           95
NB: K & L do not included partialled-out variables

IV (2SLS) estimation
-----

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =           52          Number of obs =           43080
                                                F( 3, 51) =           0.66
                                                Prob > F =           0.5835
Total (centered) SS = 54533.40518          Centered R2 =           0.0001
Total (uncentered) SS = 54533.40518       Uncentered R2 =           0.0001
Residual SS = 54530.09877                 Root MSE =           1.125

-----
      |               Robust
      |               Coef.   Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
mm1_adj |   -.0028697   .0232045   -0.12   0.902   -.0483497   .0426103
mm3_adj |    .0147449   .0141633    1.04   0.298   -.0130146   .0425044
mm4_adj |   -.0069944   .0076328   -0.92   0.359   -.0219544   .0079655
-----

Underidentification test (Kleibergen-Paap rk LM statistic):          7.500
                                                Chi-sq(1) P-val =           0.0062
-----

Weak identification test (Cragg-Donald Wald F statistic):          9.4e+05
(Kleibergen-Paap rk Wald F statistic):          1.9e+05
Stock-Yogo weak ID test critical values:          <not available>
-----

Hansen J statistic (overidentification test of all instruments):          0.000
(equation exactly identified)
-----

```



```

Instrumented:      mm1_adj mm3_adj mm4_adj
Included instruments:
Excluded instruments: imm1_adj imm3_adj imm4_adj
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
                  st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
                  st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pia1
                  pia_miss ime1 ime_miss_cons
                  nb: small-sample adjustments account for
                      partialled-out variables
Dropped collinear: st_ND st_NY

```

(1) - mm1_adj - mm3_adj - mm4_adj = 0

nstwl2	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0048808	.0141157	-0.35	0.730	-.0325471 .0227856

(1) mm1_adj + mm3_adj + mm4_adj = .0048808

nstwl2	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	2.60e-18	.0141157	0.00	1.000	-.0276663 .0276663

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.85
 Prob > chi2 = 0.3576

(1) mm1_adj = 0
 (2) mm3_adj = 0
 (3) mm4_adj = 0

chi2(3) = 2.01
 Prob > chi2 = 0.5707

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.12
 Prob > chi2 = 0.7295

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH1NONY_nounemp.xls
dir : seeout

```

Phase 1 NO NY dependent variable: nstw24, unemployment: nounemp
 Warning - collinearities detected

Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	1.3e+06
		Prob > F =	0.0000
Total (centered) SS	= 17561.71918	Centered R2 =	0.9865
Total (uncentered) SS	= 17561.71918	Uncentered R2 =	0.9865
Residual SS	= 237.8712816	Root MSE =	.07439

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9970825	.0005095	1957.10	0.000	.9960597	.9981053
imm3_adj	-.0021054	.000305	-6.90	0.000	-.0027177	-.0014931
imm4_adj	-.0026682	.0004632	-5.76	0.000	-.0035981	-.0017383

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 1.3e+06
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 3.8e+06
Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	2.8e+05
		Prob > F =	0.0000
Total (centered) SS	= 23969.87288	Centered R2 =	0.9860
Total (uncentered) SS	= 23969.87288	Uncentered R2 =	0.9860
Residual SS	= 335.5645681	Root MSE =	.08836

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009354	.0002769	-3.38	0.001	-.0014913	-.0003796
imm3_adj	.991287	.0011619	853.16	0.000	.9889544	.9936197
imm4_adj	-.0002019	.0004136	-0.49	0.628	-.0010323	.0006284

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:


```

race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial
pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables

```

Dropped collinear: st_ND st_NY

(1) - mm1_adj - mm3_adj - mm4_adj = 0

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0112671	.03786	-0.30	0.766	-.0854714 .0629372

(1) mm1_adj + mm3_adj + mm4_adj = .0112671

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-3.64e-17	.03786	-0.00	1.000	-.0742043 .0742043

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.99
 Prob > chi2 = 0.3189

- (1) mm1_adj = 0
- (2) mm3_adj = 0
- (3) mm4_adj = 0

chi2(3) = 3.52
 Prob > chi2 = 0.3177

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.09
 Prob > chi2 = 0.7660

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NONY_nounemp.xls
 dir : seeout

Phase 1 NO NY dependent variable: nstw36, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	1.3e+06
		Prob > F =	0.0000
Total (centered) SS =	17561.71918	Centered R2 =	0.9865
Total (uncentered) SS =	17561.71918	Uncentered R2 =	0.9865
Residual SS =	237.8712816	Root MSE =	.07439

mm1_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	.9970825	.0005095	1957.10	0.000	.9960597	.9981053
imm3_adj	-.0021054	.000305	-6.90	0.000	-.0027177	-.0014931
imm4_adj	-.0026682	.0004632	-5.76	0.000	-.0035981	-.0017383

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 1.3e+06
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 3.8e+06
Prob > F = 0.0000

First-stage regression of mm3_adj:

OLS estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	2.8e+05
		Prob > F =	0.0000
Total (centered) SS =	23969.87288	Centered R2 =	0.9860
Total (uncentered) SS =	23969.87288	Uncentered R2 =	0.9860
Residual SS =	335.5645681	Root MSE =	.08836

mm3_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009354	.0002769	-3.38	0.001	-.0014913	-.0003796
imm3_adj	.991287	.0011619	853.16	0.000	.9889544	.9936197
imm4_adj	-.0002019	.0004136	-0.49	0.628	-.0010323	.0006284

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 2.8e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 7.3e+05

Prob > F = 0.0000

First-stage regression of mm4_adj:

OLS estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	3.3e+05
		Prob > F =	0.0000
Total (centered) SS =	29483.33607	Centered R2 =	0.9876
Total (uncentered) SS =	29483.33607	Uncentered R2 =	0.9876
Residual SS =	364.4154244	Root MSE =	.09208

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009814	.0003069	-3.20	0.002	-.0015976	-.0003652
imm3_adj	.0003089	.0007098	0.44	0.665	-.0011162	.0017339
imm4_adj	.9910805	.0011894	833.28	0.000	.9886927	.9934682

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 3.3e+05
Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 6.9e+05
Prob > F = 0.0000

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 51)	P-val	AP Chi-sq(1)	P-val
mm1_adj	1.3e+06	0.0000	3.9e+06	0.0000
mm3_adj	2.8e+05	0.0000	7.4e+05	0.0000
mm4_adj	3.3e+05	0.0000	7.1e+05	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=7.50 P-val=0.0062

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 9.4e+05
 Kleibergen-Paap Wald rk F statistic 1.9e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(3,51)= 0.62 P-val=0.6040
 Anderson-Rubin Wald test Chi-sq(3)= 1.91 P-val=0.5920
 Stock-Wright LM S statistic Chi-sq(3)= 1.35 P-val=0.7173

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 43080
 Number of regressors K = 3
 Number of endogenous regressors K1 = 3
 Number of instruments L = 3
 Number of excluded instruments L1 = 3
 Number of partialled-out regressors/IVs = 95
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
 F(3, 51) = 0.62
 Prob > F = 0.6044
 Total (centered) SS = 827024.8905 Centered R2 = 0.0000
 Total (uncentered) SS = 827024.8905 Uncentered R2 = 0.0000
 Residual SS = 827007.623 Root MSE = 4.381

nstw36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm1_adj	-.0214899	.0705893	-0.30	0.761	-.1598425	.1168626
mm3_adj	.0301737	.0359343	0.84	0.401	-.0402562	.1006036
mm4_adj	.0082661	.0347951	0.24	0.812	-.0599309	.0764632

Underidentification test (Kleibergen-Paap rk LM statistic): 7.500
 Chi-sq(1) P-val = 0.0062

Weak identification test (Cragg-Donald Wald F statistic): 9.4e+05
 (Kleibergen-Paap rk Wald F statistic): 1.9e+05
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm1_adj mm3_adj mm4_adj
 Included instruments:
 Excluded instruments: imm1_adj imm3_adj imm4_adj
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss

pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial
 pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

Dropped collinear: st_ND st_NY

(1) - mm1_adj - mm3_adj - mm4_adj = 0

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0169499	.0584457	-0.29	0.772	-.1315013 .0976015

(1) mm1_adj + mm3_adj + mm4_adj = .0169499

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-3.47e-18	.0584457	-0.00	1.000	-.1145514 .1145514

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

chi2(1) = 0.21
 Prob > chi2 = 0.6431

- (1) mm1_adj = 0
- (2) mm3_adj = 0
- (3) mm4_adj = 0

chi2(3) = 1.90
 Prob > chi2 = 0.5924

(1) mm1_adj + mm3_adj + mm4_adj = 0

chi2(1) = 0.08
 Prob > chi2 = 0.7718

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH1NONY_nounemp.xls
 dir : seeout

Phase 1 NO NY dependent variable: nstw48, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

First-stage regressions

First-stage regression of mm1_adj:

OLS estimation

OLS estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	3.3e+05
		Prob > F =	0.0000
Total (centered) SS =	29483.33607	Centered R2 =	0.9876
Total (uncentered) SS =	29483.33607	Uncentered R2 =	0.9876
Residual SS =	364.4154244	Root MSE =	.09208

mm4_adj	Coef.	Robust Std. Err.	t	P> t	[95% Conf. Interval]	
imm1_adj	-.0009814	.0003069	-3.20	0.002	-.0015976	-.0003652
imm3_adj	.0003089	.0007098	0.44	0.665	-.0011162	.0017339
imm4_adj	.9910805	.0011894	833.28	0.000	.9886927	.9934682

Included instruments: imm1_adj imm3_adj imm4_adj

F test of excluded instruments:

F(3, 51) = 3.3e+05
 Prob > F = 0.0000

Angrist-Pischke multivariate F test of excluded instruments:

F(1, 51) = 6.9e+05
 Prob > F = 0.0000

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(3, 51)	P-val	AP Chi-sq(1)	P-val	AP F(1, 51)	
mm1_adj	1.3e+06	0.0000	3.9e+06	0.0000	3.8e+06	
mm3_adj	2.8e+05	0.0000	7.4e+05	0.0000	7.3e+05	
mm4_adj	3.3e+05	0.0000	7.1e+05	0.0000	6.9e+05	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=7.50 P-val=0.0062

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 9.4e+05

Kleibergen-Paap Wald rk F statistic 1.9e+05

Stock-Yogo weak ID test critical values for K1=3 and L1=3:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(3,51)=	0.62	P-val=0.6059
Anderson-Rubin Wald test	Chi-sq(3)=	1.90	P-val=0.5939
Stock-Wright LM S statistic	Chi-sq(3)=	1.54	P-val=0.6727

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	43080
Number of regressors	K =	3
Number of endogenous regressors	K1 =	3
Number of instruments	L =	3
Number of excluded instruments	L1 =	3
Number of partialled-out regressors/IVs	=	95

NB: K & L do not include partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(3, 51) =	0.62
		Prob > F =	0.6063
Total (centered) SS =	1733009.753	Centered R2 =	0.0000
Total (uncentered) SS =	1733009.753	Uncentered R2 =	0.0000
Residual SS =	1732974.009	Root MSE =	6.342

nstw48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	

mm1_adj	-.0253658	.0832743	-0.30	0.761	-.1885804	.1378489
mm3_adj	.0272626	.0499238	0.55	0.585	-.0705862	.1251114
mm4_adj	.0242937	.0564107	0.43	0.667	-.0862693	.1348566

Underidentification test (Kleibergen-Paap rk LM statistic):	7.500
Chi-sq(1) P-val =	0.0062

Weak identification test (Cragg-Donald Wald F statistic):	9.4e+05
(Kleibergen-Paap rk Wald F statistic):	1.9e+05
Stock-Yogo weak ID test critical values:	<not available>

Hansen J statistic (overidentification test of all instruments):	0.000
(equation exactly identified)	

Instrumented:	mm1_adj mm3_adj mm4_adj
Included instruments:	
Excluded instruments:	imm1_adj imm3_adj imm4_adj
Partialled-out:	male gendermiss_flag tsd_age doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO

```

st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial
pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables

```

Dropped collinear: st_ND st_NY

(1) - mm1_adj - mm3_adj - mm4_adj = 0

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0261905	.0785828	-0.33	0.739	-.1802099 .127829

(1) mm1_adj + mm3_adj + mm4_adj = .0261905

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	2.08e-17	.0785828	0.00	1.000	-.1540195 .1540195

(1) - .5*mm1_adj + 1.5*mm3_adj - mm4_adj = 0

```

chi2( 1) = 0.04
Prob > chi2 = 0.8449

```

- (1) mm1_adj = 0
- (2) mm3_adj = 0
- (3) mm4_adj = 0

```

chi2( 3) = 1.90
Prob > chi2 = 0.5944

```

(1) mm1_adj + mm3_adj + mm4_adj = 0

```

chi2( 1) = 0.11
Prob > chi2 = 0.7389

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PhlNONY_nounemp.xls
dir : seeout

```

Phase 2 dependent variable: ldwroll12, unemployment: nounemp

Summary results for first-stage regressions

Variable	F(9, 53)	P-val	(Underid)		(Weak id)	
			AP Chi-sq(1)	P-val	AP F(1, 53)	
mm10_adj	819.56	0.0000	4110.82	0.0000	4029.21	
mm12_adj	590.32	0.0000	4180.69	0.0000	4097.68	
mm13_adj	611.75	0.0000	4454.72	0.0000	4366.28	
mm14_adj	533.80	0.0000	4051.00	0.0000	3970.57	
mm15_adj	540.72	0.0000	4269.51	0.0000	4184.74	
mm16_adj	536.32	0.0000	4357.12	0.0000	4270.61	

mm10_adj	-.0016407	.001124	-1.46	0.144	-.0038437	.0005624
mm12_adj	.0009201	.0008956	1.03	0.304	-.0008352	.0026754
mm13_adj	.0012073	.0012711	0.95	0.342	-.001284	.0036986
mm14_adj	-.0007129	.0015848	-0.45	0.653	-.0038191	.0023932
mm15_adj	-.0005362	.0010642	-0.50	0.614	-.002622	.0015496
mm16_adj	.0008117	.0012458	0.65	0.515	-.00163	.0032534
mm17_adj	.0004706	.0011071	0.43	0.671	-.0016994	.0026405
mm18_adj	.0019763	.0015415	1.28	0.200	-.001045	.0049975
mm19_adj	-.0006821	.0011359	-0.60	0.548	-.0029083	.0015442

Underidentification test (Kleibergen-Paap rk LM statistic): 13.720
Chi-sq(1) P-val = 0.0002

Weak identification test (Cragg-Donald Wald F statistic): 9.8e+04
(Kleibergen-Paap rk Wald F statistic): 451.091

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
mm17_adj mm18_adj mm19_adj
Included instruments:
Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
imm16_adj imm17_adj imm18_adj imm19_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0

ldwroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0018141	.0017193	-1.06	0.291	-.0051838 .0015555

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = .0018141

ldwroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-3.66e-17	.0017193	-0.00	1.000	-.0033697 .0033697

(1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0

(2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
 (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
 (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
 (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
 (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
 (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 8.54
 Prob > chi2 = 0.2877

(1) mm10_adj = 0
 (2) mm12_adj = 0
 (3) mm13_adj = 0
 (4) mm14_adj = 0
 (5) mm15_adj = 0
 (6) mm16_adj = 0
 (7) mm17_adj = 0
 (8) mm18_adj = 0
 (9) mm19_adj = 0

chi2(9) = 9.90
 Prob > chi2 = 0.3586

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = 0

chi2(1) = 1.11
 Prob > chi2 = 0.2913

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_nounemp.xls
 dir : seeout

Phase 2 dependent variable: ldwroll24, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm10_adj	819.56	0.0000	4110.82	0.0000	4029.21	
mm12_adj	590.32	0.0000	4180.69	0.0000	4097.68	
mm13_adj	611.75	0.0000	4454.72	0.0000	4366.28	
mm14_adj	533.80	0.0000	4051.00	0.0000	3970.57	
mm15_adj	540.72	0.0000	4269.51	0.0000	4184.74	
mm16_adj	536.32	0.0000	4357.12	0.0000	4270.61	
mm17_adj	527.46	0.0000	3687.07	0.0000	3613.87	
mm18_adj	552.87	0.0000	3592.39	0.0000	3521.06	
mm19_adj	494.34	0.0000	3914.77	0.0000	3837.04	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
mm17_adj mm18_adj mm19_adj
Included instruments:
Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
imm16_adj imm17_adj imm18_adj imm19_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0028091	.0016795	-1.67	0.094	-.0061008 .0004826

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = .0028091

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	3.56e-17	.0016795	0.00	1.000	-.0032917 .0032917

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 11.16
Prob > chi2 = 0.1316

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0

(6) mm16_adj = 0
 (7) mm17_adj = 0
 (8) mm18_adj = 0
 (9) mm19_adj = 0

chi2(9) = 13.19
 Prob > chi2 = 0.1543

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
 mm18_adj + mm19_adj = 0

chi2(1) = 2.80
 Prob > chi2 = 0.0944

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_nounemp.xls
 dir : seeout

Phase 2 dependent variable: ldwroll36, unemployment: nounemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)	
	F(9, 53)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 53)
mm10_adj	819.56	0.0000		4110.82	0.0000		4029.21
mm12_adj	590.32	0.0000		4180.69	0.0000		4097.68
mm13_adj	611.75	0.0000		4454.72	0.0000		4366.28
mm14_adj	533.80	0.0000		4051.00	0.0000		3970.57
mm15_adj	540.72	0.0000		4269.51	0.0000		4184.74
mm16_adj	536.32	0.0000		4357.12	0.0000		4270.61
mm17_adj	527.46	0.0000		3687.07	0.0000		3613.87
mm18_adj	552.87	0.0000		3592.39	0.0000		3521.06
mm19_adj	494.34	0.0000		3914.77	0.0000		3837.04

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=13.72 P-val=0.0002

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 97883.71

Kleibergen-Paap Wald rk F statistic 451.09

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid


```

pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
( 1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0

```

```

-----
ldwroll36 |      Coef.   Std. Err.      z    P>|z|      [95% Conf. Interval]
-----+-----
( 1) |   -.0033622   .0016781    -2.00   0.045    -.0066511   -.0000733
-----

```

```

( 1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = .0033622

```

```

-----
ldwroll36 |      Coef.   Std. Err.      z    P>|z|      [95% Conf. Interval]
-----+-----
( 1) |    6.07e-18   .0016781     0.00   1.000    -.0032889   .0032889
-----

```

- ```

(1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
(2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
(3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
(4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
(5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
(6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
(7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

```

```

 chi2(7) = 4.14
Prob > chi2 = 0.7635

```

- ```

( 1) mm10_adj = 0
( 2) mm12_adj = 0
( 3) mm13_adj = 0
( 4) mm14_adj = 0
( 5) mm15_adj = 0
( 6) mm16_adj = 0
( 7) mm17_adj = 0
( 8) mm18_adj = 0
( 9) mm19_adj = 0

```

```

      chi2( 9) =     12.56
Prob > chi2 =      0.1836

```

```

( 1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = 0

```

```

      chi2( 1) =      4.01
Prob > chi2 =      0.0451

```

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_nounemp.xls
 dir : seeout

Phase 2 dependent variable: ldwroll48, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm10_adj	819.56	0.0000	4110.82	0.0000	4029.21	
mm12_adj	590.32	0.0000	4180.69	0.0000	4097.68	
mm13_adj	611.75	0.0000	4454.72	0.0000	4366.28	
mm14_adj	533.80	0.0000	4051.00	0.0000	3970.57	
mm15_adj	540.72	0.0000	4269.51	0.0000	4184.74	
mm16_adj	536.32	0.0000	4357.12	0.0000	4270.61	
mm17_adj	527.46	0.0000	3687.07	0.0000	3613.87	
mm18_adj	552.87	0.0000	3592.39	0.0000	3521.06	
mm19_adj	494.34	0.0000	3914.77	0.0000	3837.04	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=13.72 P-val=0.0002

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 97883.71

Kleibergen-Paap Wald rk F statistic 451.09

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 1.78 P-val=0.0951

Anderson-Rubin Wald test Chi-sq(9)= 16.30 P-val=0.0608

Stock-Wright LM S statistic Chi-sq(9)= 8.73 P-val=0.4624

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	77161
Number of regressors	K =	9
Number of endogenous regressors	K1 =	9
Number of instruments	L =	9
Number of excluded instruments	L1 =	9

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj - mm18_adj - mm19_adj = 0

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0044913	.0018718	-2.40	0.016	-.0081599	-.0008227

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = .0044913

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	0	.0018718	0.00	1.000	-.0036686	.0036686

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 5.19
 Prob > chi2 = 0.6365

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0
- (6) mm16_adj = 0
- (7) mm17_adj = 0
- (8) mm18_adj = 0
- (9) mm19_adj = 0

chi2(9) = 16.29
 Prob > chi2 = 0.0610

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = 0

chi2(1) = 5.76
 Prob > chi2 = 0.0164

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_nounemp.xls
 dir : seeout

Phase 2 dependent variable: eperoll12, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm10_adj	819.56	0.0000	4110.82	0.0000	4029.21	

eperoll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm10_adj	-.0003503	.0019943	-0.18	0.861	-.004259	.0035584
mm12_adj	.0010779	.0010679	1.01	0.313	-.0010153	.003171
mm13_adj	-.0007152	.0013418	-0.53	0.594	-.0033451	.0019147
mm14_adj	-.0031219	.0019368	-1.61	0.107	-.006918	.0006742
mm15_adj	.0032944	.0014776	2.23	0.026	.0003984	.0061905
mm16_adj	.0001108	.0011918	0.09	0.926	-.0022251	.0024467
mm17_adj	-.0005564	.0013461	-0.41	0.679	-.0031946	.0020819
mm18_adj	-.0013323	.0014403	-0.93	0.355	-.0041552	.0014905
mm19_adj	.0007327	.0016695	0.44	0.661	-.0025393	.0040048

Underidentification test (Kleibergen-Paap rk LM statistic): 13.720
Chi-sq(1) P-val = 0.0002

Weak identification test (Cragg-Donald Wald F statistic): 9.8e+04
(Kleibergen-Paap rk Wald F statistic): 451.091

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
mm17_adj mm18_adj mm19_adj

Included instruments:

Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
imm16_adj imm17_adj imm18_adj imm19_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0008601	.0017095	0.50	0.615	-.0024905	.0042108

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = -.0008601

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
-----------	-------	-----------	---	------	----------------------	--

```
-----+-----
(1) | 2.84e-17 .0017095 0.00 1.000 -.0033506 .0033506
-----+-----
```

```
( 1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
( 2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
( 3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
( 4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
( 5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
( 6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
( 7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0
```

```
chi2( 7) = 9.74
Prob > chi2 = 0.2037
```

```
( 1) mm10_adj = 0
( 2) mm12_adj = 0
( 3) mm13_adj = 0
( 4) mm14_adj = 0
( 5) mm15_adj = 0
( 6) mm16_adj = 0
( 7) mm17_adj = 0
( 8) mm18_adj = 0
( 9) mm19_adj = 0
```

```
chi2( 9) = 14.59
Prob > chi2 = 0.1028
```

```
( 1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = 0
```

```
chi2( 1) = 0.25
Prob > chi2 = 0.6149
```

```
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH2_nounemp.xls
dir : seeout
```

Phase 2 dependent variable: eperoll24, unemployment: nounemp

Summary results for first-stage regressions

```
-----+-----
Variable | F( 9, 53) P-val | (Underid) AP Chi-sq( 1) P-val | (Weak id) AP F( 1, 53)
mm10_adj | 819.56 0.0000 | 4110.82 0.0000 | 4029.21
mm12_adj | 590.32 0.0000 | 4180.69 0.0000 | 4097.68
mm13_adj | 611.75 0.0000 | 4454.72 0.0000 | 4366.28
mm14_adj | 533.80 0.0000 | 4051.00 0.0000 | 3970.57
mm15_adj | 540.72 0.0000 | 4269.51 0.0000 | 4184.74
mm16_adj | 536.32 0.0000 | 4357.12 0.0000 | 4270.61
mm17_adj | 527.46 0.0000 | 3687.07 0.0000 | 3613.87
mm18_adj | 552.87 0.0000 | 3592.39 0.0000 | 3521.06
mm19_adj | 494.34 0.0000 | 3914.77 0.0000 | 3837.04
```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

```
5% maximal IV relative bias 20.53
10% maximal IV size 16.38
15% maximal IV size 8.96
```

20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=13.72 P-val=0.0002

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 97883.71
 Kleibergen-Paap Wald rk F statistic 451.09

Stock-Yogo weak ID test critical values for K1=9 and L1=9: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,53)= 5.98 P-val=0.0000
 Anderson-Rubin Wald test Chi-sq(9)= 54.91 P-val=0.0000
 Stock-Wright LM S statistic Chi-sq(9)= 14.25 P-val=0.1138

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 77161
 Number of regressors K = 9
 Number of endogenous regressors K1 = 9
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 77161
 F(9, 53) = 5.68
 Prob > F = 0.0000
 Total (centered) SS = 2905.232777 Centered R2 = 0.0001
 Total (uncentered) SS = 2905.232777 Uncentered R2 = 0.0001
 Residual SS = 2904.857479 Root MSE = .194

eperoll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm10_adj	.0007152	.0023597	0.30	0.762	-.0039098	.0053402
mm12_adj	.0011783	.0015811	0.75	0.456	-.0019206	.0042772
mm13_adj	-.0011271	.0021406	-0.53	0.599	-.0053225	.0030683
mm14_adj	-.0034843	.0022742	-1.53	0.126	-.0079417	.0009731
mm15_adj	.0046	.0012939	3.56	0.000	.0020641	.0071359
mm16_adj	-.0024718	.0014584	-1.69	0.090	-.0053303	.0003867
mm17_adj	.0012572	.0019572	0.64	0.521	-.0025789	.0050932
mm18_adj	-.0024022	.0012994	-1.85	0.065	-.004949	.0001446
mm19_adj	.0007672	.0015823	0.48	0.628	-.0023341	.0038685

Underidentification test (Kleibergen-Paap rk LM statistic): 13.720
 Chi-sq(1) P-val = 0.0002

Weak identification test (Cragg-Donald Wald F statistic): 9.8e+04
 (Kleibergen-Paap rk Wald F statistic): 451.091
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mmm10_adj mmm12_adj mmm13_adj mmm14_adj mmm15_adj mmm16_adj
 mmm17_adj mmm18_adj mmm19_adj
 Included instruments:
 Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
 imm16_adj imm17_adj imm18_adj imm19_adj
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mmm10_adj - mmm12_adj - mmm13_adj - mmm14_adj - mmm15_adj - mmm16_adj - mmm17_adj -
 mmm18_adj - mmm19_adj = 0

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0009675	.0017246	0.56	0.575	-.0024127 .0043477

(1) mmm10_adj + mmm12_adj + mmm13_adj + mmm14_adj + mmm15_adj + mmm16_adj + mmm17_adj +
 mmm18_adj + mmm19_adj = -.0009675

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	3.08e-17	.0017246	0.00	1.000	-.0033802 .0033802

- (1) - .5*mmm10_adj + 1.5*mmm12_adj - mmm13_adj = 0
- (2) - .5*mmm10_adj + .5*mmm12_adj + mmm13_adj - mmm14_adj = 0
- (3) - .5*mmm10_adj + .5*mmm12_adj + mmm14_adj - mmm15_adj = 0
- (4) - .5*mmm10_adj + .5*mmm12_adj + mmm15_adj - mmm16_adj = 0
- (5) - .5*mmm10_adj + .5*mmm12_adj + mmm16_adj - mmm17_adj = 0
- (6) - .5*mmm10_adj + .5*mmm12_adj + mmm17_adj - mmm18_adj = 0
- (7) - .5*mmm10_adj + .5*mmm12_adj + mmm18_adj - mmm19_adj = 0

chi2(7) = 36.06
 Prob > chi2 = 0.0000

```
( 1) mm10_adj = 0
( 2) mm12_adj = 0
( 3) mm13_adj = 0
( 4) mm14_adj = 0
( 5) mm15_adj = 0
( 6) mm16_adj = 0
( 7) mm17_adj = 0
( 8) mm18_adj = 0
( 9) mm19_adj = 0
```

```
chi2( 9) = 52.16
Prob > chi2 = 0.0000
```

```
( 1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = 0
```

```
chi2( 1) = 0.31
Prob > chi2 = 0.5748
```

```
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH2_nounemp.xls
dir : seeout
```

Phase 2 dependent variable: eperoll36, unemployment: nounemp

Summary results for first-stage regressions

```
-----
```

Variable				(Underid)		(Weak id)	
	F(9, 53)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 53)
mm10_adj	819.56	0.0000		4110.82	0.0000		4029.21
mm12_adj	590.32	0.0000		4180.69	0.0000		4097.68
mm13_adj	611.75	0.0000		4454.72	0.0000		4366.28
mm14_adj	533.80	0.0000		4051.00	0.0000		3970.57
mm15_adj	540.72	0.0000		4269.51	0.0000		4184.74
mm16_adj	536.32	0.0000		4357.12	0.0000		4270.61
mm17_adj	527.46	0.0000		3687.07	0.0000		3613.87
mm18_adj	552.87	0.0000		3592.39	0.0000		3521.06
mm19_adj	494.34	0.0000		3914.77	0.0000		3837.04

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=13.72 P-val=0.0002

Weak identification test

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 97883.71
 Kleibergen-Paap Wald rk F statistic 451.09

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,53)=	3.14	P-val=0.0042
Anderson-Rubin Wald test	Chi-sq(9)=	28.87	P-val=0.0007
Stock-Wright LM S statistic	Chi-sq(9)=	13.24	P-val=0.1519

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	77161
Number of regressors	K =	9
Number of endogenous regressors	K1 =	9
Number of instruments	L =	9
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	77161
		F(9, 53) =	3.01
		Prob > F =	0.0056
Total (centered) SS =	4173.912049	Centered R2 =	0.0001
Total (uncentered) SS =	4173.912049	Uncentered R2 =	0.0001
Residual SS =	4173.317492	Root MSE =	.2326

eperoll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm10_adj	.0005225	.0025707	0.20	0.839	-.004516	.005561
mm12_adj	.0017496	.0023449	0.75	0.456	-.0028463	.0063455
mm13_adj	-.001653	.00269	-0.61	0.539	-.0069253	.0036193
mm14_adj	-.0053454	.0022497	-2.38	0.017	-.0097548	-.0009361
mm15_adj	.0072513	.0019989	3.63	0.000	.0033336	.0111691
mm16_adj	-.0010904	.0022889	-0.48	0.634	-.0055767	.0033958
mm17_adj	.0002376	.0024448	0.10	0.923	-.0045541	.0050294
mm18_adj	-.0031944	.0015321	-2.08	0.037	-.0061972	-.0001915
mm19_adj	.0012441	.0021629	0.58	0.565	-.002995	.0054833

Underidentification test (Kleibergen-Paap rk LM statistic): 13.720
Chi-sq(1) P-val = 0.0002

Weak identification test (Cragg-Donald Wald F statistic): 9.8e+04
(Kleibergen-Paap rk Wald F statistic): 451.091

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
mm17_adj mm18_adj mm19_adj

Included instruments:

Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
imm16_adj imm17_adj imm18_adj imm19_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for partialled-out variables

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj - mm18_adj - mm19_adj = 0

eperoll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0002781	.0018136	0.15	0.878	-.0032766 .0038327

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = -.0002781

eperoll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	4.13e-17	.0018136	0.00	1.000	-.0035546 .0035546

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 24.40
 Prob > chi2 = 0.0010

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0
- (6) mm16_adj = 0
- (7) mm17_adj = 0
- (8) mm18_adj = 0
- (9) mm19_adj = 0

chi2(9) = 27.65
 Prob > chi2 = 0.0011

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = 0

chi2(1) = 0.02
 Prob > chi2 = 0.8782

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_nounemp.xls
 dir : seeout

Phase 2 dependent variable: eperoll48, unemployment: nounemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)		
	F(9, 53)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 53)	
mm10_adj	819.56	0.0000		4110.82	0.0000		4029.21	
mm12_adj	590.32	0.0000		4180.69	0.0000		4097.68	
mm13_adj	611.75	0.0000		4454.72	0.0000		4366.28	
mm14_adj	533.80	0.0000		4051.00	0.0000		3970.57	
mm15_adj	540.72	0.0000		4269.51	0.0000		4184.74	
mm16_adj	536.32	0.0000		4357.12	0.0000		4270.61	
mm17_adj	527.46	0.0000		3687.07	0.0000		3613.87	
mm18_adj	552.87	0.0000		3592.39	0.0000		3521.06	
mm19_adj	494.34	0.0000		3914.77	0.0000		3837.04	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=13.72 P-val=0.0002

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 97883.71

Kleibergen-Paap Wald rk F statistic 451.09

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 2.36 P-val=0.0250

Anderson-Rubin Wald test Chi-sq(9)= 21.71 P-val=0.0098

Stock-Wright LM S statistic Chi-sq(9)= 10.34 P-val=0.3234

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54

Number of observations N = 77161

Number of regressors K = 9

nb: small-sample adjustments account for
partialled-out variables

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0

eperoll148	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0010669	.0025284	-0.42	0.673	-.0060224	.0038887

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = .0010669

eperoll148	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-2.04e-17	.0025284	-0.00	1.000	-.0049555	.0049555

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 19.75
Prob > chi2 = 0.0061

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0
- (6) mm16_adj = 0
- (7) mm17_adj = 0
- (8) mm18_adj = 0
- (9) mm19_adj = 0

chi2(9) = 21.11
Prob > chi2 = 0.0122

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = 0

chi2(1) = 0.18
Prob > chi2 = 0.6731

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH2_nounemp.xls
dir : seeout

Phase 2 dependent variable: twproll12, unemployment: nounemp

Summary results for first-stage regressions

twproll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-2.86e-17	.0015828	-0.00	1.000	-.0031023	.0031023

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 4.61
 Prob > chi2 = 0.7072

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0
- (6) mm16_adj = 0
- (7) mm17_adj = 0
- (8) mm18_adj = 0
- (9) mm19_adj = 0

chi2(9) = 14.00
 Prob > chi2 = 0.1225

- (1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = 0

chi2(1) = 1.14
 Prob > chi2 = 0.2849

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_nounemp.xls
 dir : seeout

Phase 2 dependent variable: twproll24, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	P-val
mm10_adj	819.56	0.0000	4110.82	0.0000	4029.21	0.0000
mm12_adj	590.32	0.0000	4180.69	0.0000	4097.68	0.0000
mm13_adj	611.75	0.0000	4454.72	0.0000	4366.28	0.0000
mm14_adj	533.80	0.0000	4051.00	0.0000	3970.57	0.0000
mm15_adj	540.72	0.0000	4269.51	0.0000	4184.74	0.0000
mm16_adj	536.32	0.0000	4357.12	0.0000	4270.61	0.0000
mm17_adj	527.46	0.0000	3687.07	0.0000	3613.87	0.0000
mm18_adj	552.87	0.0000	3592.39	0.0000	3521.06	0.0000
mm19_adj	494.34	0.0000	3914.77	0.0000	3837.04	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=13.72 P-val=0.0002

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 97883.71

Kleibergen-Paap Wald rk F statistic 451.09

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 1.71 P-val=0.1102

Anderson-Rubin Wald test Chi-sq(9)= 15.68 P-val=0.0738

Stock-Wright LM S statistic Chi-sq(9)= 12.48 P-val=0.1877

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 77161
 Number of regressors K = 9
 Number of endogenous regressors K1 = 9
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 77161
 F(9, 53) = 1.62
 Prob > F = 0.1347
 Total (centered) SS = 4219.126413 Centered R2 = 0.0001
 Total (uncentered) SS = 4219.126413 Uncentered R2 = 0.0001
 Residual SS = 4218.89229 Root MSE = .2338

twproll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm10_adj	.0021674	.0020681	1.05	0.295	-.001886	.0062208
mm12_adj	.0015679	.0015856	0.99	0.323	-.0015399	.0046757
mm13_adj	.0009426	.0025082	0.38	0.707	-.0039733	.0058585
mm14_adj	-.0019476	.0022741	-0.86	0.392	-.0064046	.0025095
mm15_adj	.0026755	.0032458	0.82	0.410	-.0036861	.0090371
mm16_adj	-.0002765	.0023533	-0.12	0.906	-.004889	.0043359
mm17_adj	-.0001909	.0032667	-0.06	0.953	-.0065935	.0062117

```

mm18_adj | -.0015951 .0020063 -0.80 0.427 -.0055274 .0023373
mm19_adj | -.0004309 .0024645 -0.17 0.861 -.0052613 .0043995

```

```

-----
Underidentification test (Kleibergen-Paap rk LM statistic):          13.720
                               Chi-sq(1) P-val =          0.0002
-----

```

```

Weak identification test (Cragg-Donald Wald F statistic):          9.8e+04
(Kleibergen-Paap rk Wald F statistic):          451.091

```

```

Stock-Yogo weak ID test critical values:          <not available>
-----

```

```

Hansen J statistic (overidentification test of all instruments):    0.000
                               (equation exactly identified)
-----

```

```

Instrumented:      mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
                  mm17_adj mm18_adj mm19_adj

```

```

Included instruments:

```

```

Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
imm16_adj imm17_adj imm18_adj imm19_adj

```

```

Partialled-out:    male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY pia1 pia_miss ime1 ime_miss _cons
                  nb: small-sample adjustments account for
                  partialled-out variables
-----

```

```

( 1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0
-----

```

```

twproll24 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
( 1) |   -.0029124   .00214    -1.36   0.174    - .0071067   .001282
-----

```

```

( 1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = .0029124
-----

```

```

twproll24 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
( 1) |  3.60e-17   .00214     0.00   1.000    - .0041944   .0041944
-----

```

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 3.22
 Prob > chi2 = 0.8640

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0
- (6) mm16_adj = 0
- (7) mm17_adj = 0
- (8) mm18_adj = 0
- (9) mm19_adj = 0

chi2(9) = 14.84
 Prob > chi2 = 0.0956

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = 0

chi2(1) = 1.85
 Prob > chi2 = 0.1735

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_nounemp.xls
 dir : seeout

Phase 2 dependent variable: twproll36, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm10_adj	819.56	0.0000	4110.82	0.0000	4029.21	
mm12_adj	590.32	0.0000	4180.69	0.0000	4097.68	
mm13_adj	611.75	0.0000	4454.72	0.0000	4366.28	
mm14_adj	533.80	0.0000	4051.00	0.0000	3970.57	
mm15_adj	540.72	0.0000	4269.51	0.0000	4184.74	
mm16_adj	536.32	0.0000	4357.12	0.0000	4270.61	
mm17_adj	527.46	0.0000	3687.07	0.0000	3613.87	
mm18_adj	552.87	0.0000	3592.39	0.0000	3521.06	
mm19_adj	494.34	0.0000	3914.77	0.0000	3837.04	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=13.72 P-val=0.0002

Weak identification test
 Ho: equation is weakly identified

Cragg-Donald Wald F statistic 97883.71
 Kleibergen-Paap Wald rk F statistic 451.09

Stock-Yogo weak ID test critical values for K1=9 and L1=9: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,53)= 1.39 P-val=0.2180
 Anderson-Rubin Wald test Chi-sq(9)= 12.73 P-val=0.1753
 Stock-Wright LM S statistic Chi-sq(9)= 9.00 P-val=0.4372

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 77161
 Number of regressors K = 9
 Number of endogenous regressors K1 = 9
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 77161
 F(9, 53) = 1.34
 Prob > F = 0.2404
 Total (centered) SS = 5489.864626 Centered R2 = 0.0001
 Total (uncentered) SS = 5489.864626 Uncentered R2 = 0.0001
 Residual SS = 5489.462953 Root MSE = .2667

twproll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm10_adj	.0010994	.0027576	0.40	0.690	-.0043053	.0065042
mm12_adj	.002656	.0019854	1.34	0.181	-.0012354	.0065474
mm13_adj	.0030732	.0022044	1.39	0.163	-.0012474	.0073937
mm14_adj	-.0025455	.0029498	-0.86	0.388	-.008327	.003236
mm15_adj	.0016142	.0036959	0.44	0.662	-.0056297	.0088581
mm16_adj	.0016458	.0027707	0.59	0.553	-.0037846	.0070762
mm17_adj	-.0029742	.0037001	-0.80	0.422	-.0102263	.0042779
mm18_adj	-.0009266	.0027309	-0.34	0.734	-.0062791	.0044259
mm19_adj	-.0013244	.0030995	-0.43	0.669	-.0073994	.0047505

Underidentification test (Kleibergen-Paap rk LM statistic): 13.720
 Chi-sq(1) P-val = 0.0002

Weak identification test (Cragg-Donald Wald F statistic): 9.8e+04
 (Kleibergen-Paap rk Wald F statistic): 451.091
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
 mm17_adj mm18_adj mm19_adj

Included instruments:

Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
imm16_adj imm17_adj imm18_adj imm19_adj

Partialled-out:

male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0023179	.0028386	-0.82	0.414	-.0078815 .0032458

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = .0023179

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	2.78e-17	.0028386	0.00	1.000	-.0055636 .0055636

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 6.64
Prob > chi2 = 0.4675

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0
- (6) mm16_adj = 0
- (7) mm17_adj = 0
- (8) mm18_adj = 0
- (9) mm19_adj = 0

chi2(9) = 12.28
Prob > chi2 = 0.1978

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = 0

chi2(1) = 0.67
 Prob > chi2 = 0.4142

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_PH2_nounemp.xls

dir : seeout

Phase 2 dependent variable: twproll48, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm10_adj	819.56	0.0000	4110.82	0.0000	4029.21	
mm12_adj	590.32	0.0000	4180.69	0.0000	4097.68	
mm13_adj	611.75	0.0000	4454.72	0.0000	4366.28	
mm14_adj	533.80	0.0000	4051.00	0.0000	3970.57	
mm15_adj	540.72	0.0000	4269.51	0.0000	4184.74	
mm16_adj	536.32	0.0000	4357.12	0.0000	4270.61	
mm17_adj	527.46	0.0000	3687.07	0.0000	3613.87	
mm18_adj	552.87	0.0000	3592.39	0.0000	3521.06	
mm19_adj	494.34	0.0000	3914.77	0.0000	3837.04	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=13.72 P-val=0.0002

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 97883.71

Kleibergen-Paap Wald rk F statistic 451.09

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 1.50 P-val=0.1717

Anderson-Rubin Wald test Chi-sq(9)= 13.79 P-val=0.1301

Stock-Wright LM S statistic Chi-sq(9)= 9.14 P-val=0.4244

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
 mm18_adj - mm19_adj = 0

twpro1148	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0017036	.0028939	-0.59	0.556	-.0073756 .0039684

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
 mm18_adj + mm19_adj = .0017036

twpro1148	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-3.43e-17	.0028939	-0.00	1.000	-.005672 .005672

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 8.58
 Prob > chi2 = 0.2842

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0
- (6) mm16_adj = 0
- (7) mm17_adj = 0
- (8) mm18_adj = 0
- (9) mm19_adj = 0

chi2(9) = 13.41
 Prob > chi2 = 0.1449

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
 mm18_adj + mm19_adj = 0

chi2(1) = 0.35
 Prob > chi2 = 0.5561

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_nounemp.xls
 dir : seeout

Phase 2 dependent variable: srvroll12, unemployment: nounemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)	
	F(9, 53)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 53)
mm10_adj	819.56	0.0000		4110.82	0.0000		4029.21
mm12_adj	590.32	0.0000		4180.69	0.0000		4097.68
mm13_adj	611.75	0.0000		4454.72	0.0000		4366.28
mm14_adj	533.80	0.0000		4051.00	0.0000		3970.57
mm15_adj	540.72	0.0000		4269.51	0.0000		4184.74
mm16_adj	536.32	0.0000		4357.12	0.0000		4270.61
mm17_adj	527.46	0.0000		3687.07	0.0000		3613.87
mm18_adj	552.87	0.0000		3592.39	0.0000		3521.06
mm19_adj	494.34	0.0000		3914.77	0.0000		3837.04

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=13.72 P-val=0.0002

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 97883.71

Kleibergen-Paap Wald rk F statistic 451.09

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 5.19 P-val=0.0000

Anderson-Rubin Wald test Chi-sq(9)= 47.66 P-val=0.0000

Stock-Wright LM S statistic Chi-sq(9)= 11.45 P-val=0.2463

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54

Number of observations N = 77161

Number of regressors K = 9

Number of endogenous regressors K1 = 9

Number of instruments L = 9

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = .0033049

-----	-----	-----	-----	-----	-----	-----
srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	-----
(1)	-4.21e-17	.0018906	-0.00	1.000	-.0037055	.0037055

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 6.50
 Prob > chi2 = 0.4823

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0
- (6) mm16_adj = 0
- (7) mm17_adj = 0
- (8) mm18_adj = 0
- (9) mm19_adj = 0

chi2(9) = 49.68
 Prob > chi2 = 0.0000

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = 0

chi2(1) = 3.06
 Prob > chi2 = 0.0804

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_nounemp.xls
 dir : seeout

Phase 2 dependent variable: srvroll24, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm10_adj	819.56	0.0000	4110.82	0.0000	4029.21	
mm12_adj	590.32	0.0000	4180.69	0.0000	4097.68	
mm13_adj	611.75	0.0000	4454.72	0.0000	4366.28	
mm14_adj	533.80	0.0000	4051.00	0.0000	3970.57	
mm15_adj	540.72	0.0000	4269.51	0.0000	4184.74	
mm16_adj	536.32	0.0000	4357.12	0.0000	4270.61	
mm17_adj	527.46	0.0000	3687.07	0.0000	3613.87	
mm18_adj	552.87	0.0000	3592.39	0.0000	3521.06	
mm19_adj	494.34	0.0000	3914.77	0.0000	3837.04	

mm15_adj		.001924	.0017037	1.13	0.259	-.0014152	.0052633
mm16_adj		-.0019009	.0013855	-1.37	0.170	-.0046164	.0008147
mm17_adj		-.0014644	.0019017	-0.77	0.441	-.0051917	.0022629
mm18_adj		-.0063988	.0014923	-4.29	0.000	-.0093237	-.0034739
mm19_adj		.000532	.0020827	0.26	0.798	-.0035499	.004614

Underidentification test (Kleibergen-Paap rk LM statistic): 13.720
Chi-sq(1) P-val = 0.0002

Weak identification test (Cragg-Donald Wald F statistic): 9.8e+04
(Kleibergen-Paap rk Wald F statistic): 451.091
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
mm17_adj mm18_adj mm19_adj
Included instruments:
Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
imm16_adj imm17_adj imm18_adj imm19_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0

srvroll24		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		-.0004536	.0020729	-0.22	0.827	-.0045165 .0036093

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = .0004536

srvroll24		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		3.79e-17	.0020729	0.00	1.000	-.0040629 .0040629

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
(2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
(3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
(4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
(5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0

(6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
 (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 17.03
 Prob > chi2 = 0.0172

(1) mm10_adj = 0
 (2) mm12_adj = 0
 (3) mm13_adj = 0
 (4) mm14_adj = 0
 (5) mm15_adj = 0
 (6) mm16_adj = 0
 (7) mm17_adj = 0
 (8) mm18_adj = 0
 (9) mm19_adj = 0

chi2(9) = 45.06
 Prob > chi2 = 0.0000

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
 mm18_adj + mm19_adj = 0

chi2(1) = 0.05
 Prob > chi2 = 0.8268

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_nounemp.xls
 dir : seeout

Phase 2 dependent variable: srvroll36, unemployment: nounemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)	
	F(9, 53)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 53)
mm10_adj	819.56	0.0000		4110.82	0.0000		4029.21
mm12_adj	590.32	0.0000		4180.69	0.0000		4097.68
mm13_adj	611.75	0.0000		4454.72	0.0000		4366.28
mm14_adj	533.80	0.0000		4051.00	0.0000		3970.57
mm15_adj	540.72	0.0000		4269.51	0.0000		4184.74
mm16_adj	536.32	0.0000		4357.12	0.0000		4270.61
mm17_adj	527.46	0.0000		3687.07	0.0000		3613.87
mm18_adj	552.87	0.0000		3592.39	0.0000		3521.06
mm19_adj	494.34	0.0000		3914.77	0.0000		3837.04

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=13.72 P-val=0.0002

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 97883.71
 Kleibergen-Paap Wald rk F statistic 451.09

Stock-Yogo weak ID test critical values for K1=9 and L1=9: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,53)= 2.08 P-val=0.0483
 Anderson-Rubin Wald test Chi-sq(9)= 19.07 P-val=0.0246
 Stock-Wright LM S statistic Chi-sq(9)= 9.81 P-val=0.3663

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 77161
 Number of regressors K = 9
 Number of endogenous regressors K1 = 9
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 77161
 F(9, 53) = 2.07
 Prob > F = 0.0492
 Total (centered) SS = 1826.268156 Centered R2 = 0.0001
 Total (uncentered) SS = 1826.268156 Uncentered R2 = 0.0001
 Residual SS = 1826.017841 Root MSE = .1538

srvroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm10_adj	.001991	.0012376	1.61	0.108	-.0004347	.0044168
mm12_adj	.0029961	.001665	1.80	0.072	-.0002674	.0062595
mm13_adj	-.0016304	.0014865	-1.10	0.273	-.0045439	.0012831
mm14_adj	-.0006628	.0015078	-0.44	0.660	-.003618	.0022924
mm15_adj	.0002478	.0023994	0.10	0.918	-.0044548	.0049505
mm16_adj	-.0003175	.0016056	-0.20	0.843	-.0034645	.0028295
mm17_adj	.000022	.0021139	0.01	0.992	-.0041212	.0041652
mm18_adj	-.0035813	.0011881	-3.01	0.003	-.0059099	-.0012527
mm19_adj	.0011078	.0016931	0.65	0.513	-.0022105	.0044262

Underidentification test (Kleibergen-Paap rk LM statistic): 13.720
 Chi-sq(1) P-val = 0.0002

Weak identification test (Cragg-Donald Wald F statistic): 9.8e+04
 (Kleibergen-Paap rk Wald F statistic): 451.091
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

```
-----
Instrumented:      mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
                  mm17_adj mm18_adj mm19_adj
Included instruments:
Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
                    imm16_adj imm17_adj imm18_adj imm19_adj
Partialled-out:    male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
    partialled-out variables
-----
```

```
( 1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0
```

```
-----
```

srvroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0001727	.0018477	-0.09	0.926	-.0037942 .0034488

```
-----
```

```
( 1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = .0001727
```

```
-----
```

srvroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	4.47e-17	.0018477	0.00	1.000	-.0036215 .0036215

```
-----
```

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

```
chi2( 7) = 13.57
Prob > chi2 = 0.0594
```

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0
- (6) mm16_adj = 0
- (7) mm17_adj = 0
- (8) mm18_adj = 0
- (9) mm19_adj = 0

chi2(9) = 19.00
 Prob > chi2 = 0.0252

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
 mm18_adj + mm19_adj = 0

chi2(1) = 0.01
 Prob > chi2 = 0.9255

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_nounemp.xls
 dir : seeout

Phase 2 dependent variable: srvroll48, unemployment: nounemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)		
	F(9, 53)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 53)	
mm10_adj	819.56	0.0000		4110.82	0.0000		4029.21	
mm12_adj	590.32	0.0000		4180.69	0.0000		4097.68	
mm13_adj	611.75	0.0000		4454.72	0.0000		4366.28	
mm14_adj	533.80	0.0000		4051.00	0.0000		3970.57	
mm15_adj	540.72	0.0000		4269.51	0.0000		4184.74	
mm16_adj	536.32	0.0000		4357.12	0.0000		4270.61	
mm17_adj	527.46	0.0000		3687.07	0.0000		3613.87	
mm18_adj	552.87	0.0000		3592.39	0.0000		3521.06	
mm19_adj	494.34	0.0000		3914.77	0.0000		3837.04	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=13.72 P-val=0.0002

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 97883.71
 Kleibergen-Paap Wald rk F statistic 451.09

Stock-Yogo weak ID test critical values for K1=9 and L1=9: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,53)= 2.05 P-val=0.0514
 Anderson-Rubin Wald test Chi-sq(9)= 18.82 P-val=0.0268
 Stock-Wright LM S statistic Chi-sq(9)= 8.59 P-val=0.4760


```

st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
( 1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0

```

```

-----
      srvroll48 |          Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
      (1) |      .0002921   .001559     0.19   0.851    - .0027636   .0033477
-----

```

```

( 1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = -.0002921

```

```

-----
      srvroll48 |          Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
      (1) |      1.36e-18   .001559     0.00   1.000    - .0030556   .0030556
-----

```

- ```

(1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
(2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
(3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
(4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
(5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
(6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
(7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

```

```

 chi2(7) = 15.55
 Prob > chi2 = 0.0296

```

- ```

( 1) mm10_adj = 0
( 2) mm12_adj = 0
( 3) mm13_adj = 0
( 4) mm14_adj = 0
( 5) mm15_adj = 0
( 6) mm16_adj = 0
( 7) mm17_adj = 0
( 8) mm18_adj = 0
( 9) mm19_adj = 0

```

```

      chi2( 9) =    18.58
      Prob > chi2 =    0.0290

```

```

( 1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = 0

```

```

      chi2( 1) =    0.04
      Prob > chi2 =    0.8514

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH2_nounemp.xls
dir : seeout

```



```
-----+-----
(1) | -.0047849 .0136526 -0.35 0.726 -.0315436 .0219738
-----+-----
```

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = .0047849

```
-----+-----
nstw12 | Coef. Std. Err. z P>|z| [95% Conf. Interval]
-----+-----
(1) | 3.73e-17 .0136526 0.00 1.000 -.0267587 .0267587
-----+-----
```

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 8.06
 Prob > chi2 = 0.3277

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0
- (6) mm16_adj = 0
- (7) mm17_adj = 0
- (8) mm18_adj = 0
- (9) mm19_adj = 0

chi2(9) = 9.13
 Prob > chi2 = 0.4254

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = 0

chi2(1) = 0.12
 Prob > chi2 = 0.7260

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_nounemp.xls
 dir : seeout

Phase 2 dependent variable: nstw24, unemployment: nounemp

Summary results for first-stage regressions

```
-----+-----
Variable | F( 9, 53) P-val | (Underid) AP Chi-sq( 1) P-val | (Weak id) AP F( 1, 53)
-----+-----
mm10_adj | 819.56 0.0000 | 4110.82 0.0000 | 4029.21
mm12_adj | 590.32 0.0000 | 4180.69 0.0000 | 4097.68
mm13_adj | 611.75 0.0000 | 4454.72 0.0000 | 4366.28
mm14_adj | 533.80 0.0000 | 4051.00 0.0000 | 3970.57
mm15_adj | 540.72 0.0000 | 4269.51 0.0000 | 4184.74
mm16_adj | 536.32 0.0000 | 4357.12 0.0000 | 4270.61
mm17_adj | 527.46 0.0000 | 3687.07 0.0000 | 3613.87
-----+-----
```


mm12_adj	.022413	.0243504	0.92	0.357	-.0253129	.0701388
mm13_adj	.0137119	.0206857	0.66	0.507	-.0268312	.054255
mm14_adj	-.0177015	.0348755	-0.51	0.612	-.0860562	.0506532
mm15_adj	-.0056321	.0266066	-0.21	0.832	-.05778	.0465158
mm16_adj	.0170652	.0247197	0.69	0.490	-.0313846	.0655149
mm17_adj	.0385757	.0250871	1.54	0.124	-.0105942	.0877456
mm18_adj	-.0044492	.0277632	-0.16	0.873	-.0588642	.0499657
mm19_adj	-.0085747	.0278576	-0.31	0.758	-.0631747	.0460253

Underidentification test (Kleibergen-Paap rk LM statistic): 13.720
Chi-sq(1) P-val = 0.0002

Weak identification test (Cragg-Donald Wald F statistic): 9.8e+04
(Kleibergen-Paap rk Wald F statistic): 451.091

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
mm17_adj mm18_adj mm19_adj
Included instruments:
Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
imm16_adj imm17_adj imm18_adj imm19_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0132014	.030287	-0.44	0.663	-.0725628 .0461601

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = .0132014

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	2.26e-17	.030287	0.00	1.000	-.0593614 .0593614

(1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
(2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0

(3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
 (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
 (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
 (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
 (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 11.87
 Prob > chi2 = 0.1050

(1) mm10_adj = 0
 (2) mm12_adj = 0
 (3) mm13_adj = 0
 (4) mm14_adj = 0
 (5) mm15_adj = 0
 (6) mm16_adj = 0
 (7) mm17_adj = 0
 (8) mm18_adj = 0
 (9) mm19_adj = 0

chi2(9) = 12.12
 Prob > chi2 = 0.2068

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = 0

chi2(1) = 0.19
 Prob > chi2 = 0.6629

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_nounemp.xls
 dir : seeout

Phase 2 dependent variable: nstw36, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm10_adj	819.56	0.0000	4110.82	0.0000	4029.21	
mm12_adj	590.32	0.0000	4180.69	0.0000	4097.68	
mm13_adj	611.75	0.0000	4454.72	0.0000	4366.28	
mm14_adj	533.80	0.0000	4051.00	0.0000	3970.57	
mm15_adj	540.72	0.0000	4269.51	0.0000	4184.74	
mm16_adj	536.32	0.0000	4357.12	0.0000	4270.61	
mm17_adj	527.46	0.0000	3687.07	0.0000	3613.87	
mm18_adj	552.87	0.0000	3592.39	0.0000	3521.06	
mm19_adj	494.34	0.0000	3914.77	0.0000	3837.04	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=13.72 P-val=0.0002

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 97883.71
 Kleibergen-Paap Wald rk F statistic 451.09

Stock-Yogo weak ID test critical values for K1=9 and L1=9: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,53)= 1.98 P-val=0.0597
 Anderson-Rubin Wald test Chi-sq(9)= 18.21 P-val=0.0328
 Stock-Wright LM S statistic Chi-sq(9)= 12.22 P-val=0.2010

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 77161
 Number of regressors K = 9
 Number of endogenous regressors K1 = 9
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 77161
 F(9, 53) = 1.94
 Prob > F = 0.0664
 Total (centered) SS = 1188802.993 Centered R2 = 0.0001
 Total (uncentered) SS = 1188802.993 Uncentered R2 = 0.0001
 Residual SS = 1188731.274 Root MSE = 3.925

nstw36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm10_adj	-.0326944	.027056	-1.21	0.227	-.0857232	.0203345
mm12_adj	.0233756	.0461323	0.51	0.612	-.0670422	.1137933
mm13_adj	.0377114	.0325902	1.16	0.247	-.0261642	.1015871
mm14_adj	-.030495	.0565017	-0.54	0.589	-.1412364	.0802463
mm15_adj	.0022429	.045243	0.05	0.960	-.0864318	.0909176
mm16_adj	.0473686	.0410125	1.15	0.248	-.0330143	.1277516
mm17_adj	.044348	.0445058	1.00	0.319	-.0428818	.1315778
mm18_adj	-.0262364	.0364258	-0.72	0.471	-.0976297	.045157
mm19_adj	-.035989	.047493	-0.76	0.449	-.1290736	.0570956

Underidentification test (Kleibergen-Paap rk LM statistic): 13.720
 Chi-sq(1) P-val = 0.0002

Weak identification test (Cragg-Donald Wald F statistic): 9.8e+04
 (Kleibergen-Paap rk Wald F statistic): 451.091

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm10_adj mm12_adj mm13_adj mm14_adj mm15_adj mm16_adj
mm17_adj mm18_adj mm19_adj
Included instruments:
Excluded instruments: imm10_adj imm12_adj imm13_adj imm14_adj imm15_adj
imm16_adj imm17_adj imm18_adj imm19_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj -
mm18_adj - mm19_adj = 0

	nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		-.0296318	.0473426	-0.63	0.531	-.1224215 .063158

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
mm18_adj + mm19_adj = .0296318

	nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		-2.78e-17	.0473426	-0.00	1.000	-.0927898 .0927898

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
- (2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
- (3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
- (4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
- (5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
- (6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
- (7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 12.00
Prob > chi2 = 0.1005

- (1) mm10_adj = 0
- (2) mm12_adj = 0
- (3) mm13_adj = 0
- (4) mm14_adj = 0
- (5) mm15_adj = 0
- (6) mm16_adj = 0

(7) mm17_adj = 0
 (8) mm18_adj = 0
 (9) mm19_adj = 0

chi2(9) = 17.78
 Prob > chi2 = 0.0378

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj +
 mm18_adj + mm19_adj = 0

chi2(1) = 0.39
 Prob > chi2 = 0.5314

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH2_nounemp.xls
 dir : seeout

Phase 2 dependent variable: nstw48, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm10_adj	819.56	0.0000	4110.82	0.0000	4029.21	
mm12_adj	590.32	0.0000	4180.69	0.0000	4097.68	
mm13_adj	611.75	0.0000	4454.72	0.0000	4366.28	
mm14_adj	533.80	0.0000	4051.00	0.0000	3970.57	
mm15_adj	540.72	0.0000	4269.51	0.0000	4184.74	
mm16_adj	536.32	0.0000	4357.12	0.0000	4270.61	
mm17_adj	527.46	0.0000	3687.07	0.0000	3613.87	
mm18_adj	552.87	0.0000	3592.39	0.0000	3521.06	
mm19_adj	494.34	0.0000	3914.77	0.0000	3837.04	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=13.72 P-val=0.0002

Weak identification test

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 97883.71
 Kleibergen-Paap Wald rk F statistic 451.09

Stock-Yogo weak ID test critical values for K1=9 and L1=9: <not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,53)= 1.98 P-val=0.0597


```

cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables

```

(1) - mm10_adj - mm12_adj - mm13_adj - mm14_adj - mm15_adj - mm16_adj - mm17_adj - mm18_adj - mm19_adj = 0

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0350838	.0620547	-0.57	0.572	-.1567087 .0865411

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = .0350838

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	0	.0620547	0.00	1.000	-.1216249 .1216249

- (1) - .5*mm10_adj + 1.5*mm12_adj - mm13_adj = 0
(2) - .5*mm10_adj + .5*mm12_adj + mm13_adj - mm14_adj = 0
(3) - .5*mm10_adj + .5*mm12_adj + mm14_adj - mm15_adj = 0
(4) - .5*mm10_adj + .5*mm12_adj + mm15_adj - mm16_adj = 0
(5) - .5*mm10_adj + .5*mm12_adj + mm16_adj - mm17_adj = 0
(6) - .5*mm10_adj + .5*mm12_adj + mm17_adj - mm18_adj = 0
(7) - .5*mm10_adj + .5*mm12_adj + mm18_adj - mm19_adj = 0

chi2(7) = 9.04
Prob > chi2 = 0.2501

- (1) mm10_adj = 0
(2) mm12_adj = 0
(3) mm13_adj = 0
(4) mm14_adj = 0
(5) mm15_adj = 0
(6) mm16_adj = 0
(7) mm17_adj = 0
(8) mm18_adj = 0
(9) mm19_adj = 0

chi2(9) = 17.85
Prob > chi2 = 0.0370

(1) mm10_adj + mm12_adj + mm13_adj + mm14_adj + mm15_adj + mm16_adj + mm17_adj + mm18_adj + mm19_adj = 0

chi2(1) = 0.32
Prob > chi2 = 0.5718

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH2_nounemp.xls

dir : seeout

Phase 3 dependent variable: ldwroll12, unemployment: nounemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)	
	F(9, 53)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 53)
mm21_adj	549.24	0.0000		2654.57	0.0000		2603.02
mm23_adj	427.63	0.0000		2875.79	0.0000		2819.95
mm24_adj	420.91	0.0000		3136.84	0.0000		3075.93
mm25_adj	407.77	0.0000		2999.97	0.0000		2941.72
mm26_adj	477.49	0.0000		3205.92	0.0000		3143.67
mm27_adj	469.52	0.0000		2999.71	0.0000		2941.47
mm28_adj	563.27	0.0000		3198.29	0.0000		3136.18
mm29_adj	439.80	0.0000		3012.40	0.0000		2953.91
mm30_adj	394.31	0.0000		3008.77	0.0000		2950.35

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=9.49 P-val=0.0021

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.3e+05

Kleibergen-Paap Wald rk F statistic 338.83

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 4.77 P-val=0.0001

Anderson-Rubin Wald test Chi-sq(9)= 43.77 P-val=0.0000

Stock-Wright LM S statistic Chi-sq(9)= 11.21 P-val=0.2615

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54

Number of observations N = 114657

Number of regressors K = 9

Number of endogenous regressors K1 = 9

Number of instruments L = 9

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

ldwroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0007704	.0009484	0.81	0.417	-.0010884	.0026292

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = -.0007704

ldwroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	1.28e-17	.0009484	0.00	1.000	-.0018588	.0018588

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 29.43
 Prob > chi2 = 0.0001

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0
- (9) mm30_adj = 0

chi2(9) = 42.03
 Prob > chi2 = 0.0000

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = 0

chi2(1) = 0.66
 Prob > chi2 = 0.4166

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_nounemp.xls
 dir : seeout

Phase 3 dependent variable: ldwroll24, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm21_adj	549.24	0.0000	2654.57	0.0000	2603.02	
mm23_adj	427.63	0.0000	2875.79	0.0000	2819.95	
mm24_adj	420.91	0.0000	3136.84	0.0000	3075.93	
mm25_adj	407.77	0.0000	2999.97	0.0000	2941.72	

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
mm21_adj	-.0021032	.0010231	-2.06	0.040	-.0041084	-.000098
mm23_adj	.0025438	.0014749	1.72	0.085	-.0003469	.0054345
mm24_adj	.0006335	.0009559	0.66	0.508	-.0012401	.0025071
mm25_adj	.0003475	.0016467	0.21	0.833	-.00288	.0035751
mm26_adj	-.0008215	.0018817	-0.44	0.662	-.0045095	.0028665
mm27_adj	.0019781	.001509	1.31	0.190	-.0009794	.0049356
mm28_adj	.0013897	.0012046	1.15	0.249	-.0009712	.0037506
mm29_adj	-.0032442	.0013355	-2.43	0.015	-.0058617	-.0006266
mm30_adj	.0002884	.0016559	0.17	0.862	-.0029572	.003534

Underidentification test (Kleibergen-Paap rk LM statistic): 9.490
Chi-sq(1) P-val = 0.0021

Weak identification test (Cragg-Donald Wald F statistic): 1.3e+05
(Kleibergen-Paap rk Wald F statistic): 338.827

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
mm28_adj mm29_adj mm30_adj

Included instruments:

Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
imm27_adj imm28_adj imm29_adj imm30_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
mm29_adj - mm30_adj = 0

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0010121	.0009183	-1.10	0.270	-.002812	.0007878

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = .0010121

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-1.41e-17	.0009183	-0.00	1.000	-.0017999	.0017999

```

( 1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
( 2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
( 3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
( 4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
( 5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
( 6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
( 7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

```

```

chi2( 7) = 17.54
Prob > chi2 = 0.0142

```

```

( 1) mm21_adj = 0
( 2) mm23_adj = 0
( 3) mm24_adj = 0
( 4) mm25_adj = 0
( 5) mm26_adj = 0
( 6) mm27_adj = 0
( 7) mm28_adj = 0
( 8) mm29_adj = 0
( 9) mm30_adj = 0

```

```

chi2( 9) = 20.96
Prob > chi2 = 0.0128

```

```

( 1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = 0

```

```

chi2( 1) = 1.21
Prob > chi2 = 0.2704

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH3_nounemp.xls
dir : seeout

```

Phase 3 dependent variable: ldwroll36, unemployment: nounemp

Summary results for first-stage regressions

```

-----

```

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm21_adj	549.24	0.0000	2654.57	0.0000	2603.02	
mm23_adj	427.63	0.0000	2875.79	0.0000	2819.95	
mm24_adj	420.91	0.0000	3136.84	0.0000	3075.93	
mm25_adj	407.77	0.0000	2999.97	0.0000	2941.72	
mm26_adj	477.49	0.0000	3205.92	0.0000	3143.67	
mm27_adj	469.52	0.0000	2999.71	0.0000	2941.47	
mm28_adj	563.27	0.0000	3198.29	0.0000	3136.18	
mm29_adj	439.80	0.0000	3012.40	0.0000	2953.91	
mm30_adj	394.31	0.0000	3008.77	0.0000	2950.35	

NB: first-stage test statistics cluster-robust

```

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias 20.53
10% maximal IV size 16.38
15% maximal IV size 8.96
20% maximal IV size 6.66
25% maximal IV size 5.53

```

Source: Stock-Yogo (2005). Reproduced by permission.

Weak identification test (Cragg-Donald Wald F statistic): 1.3e+05
 (Kleibergen-Paap rk Wald F statistic): 338.827
 Stock-Yogo weak ID test critical values: <not available>

 Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
 mm28_adj mm29_adj mm30_adj
 Included instruments:
 Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
 imm27_adj imm28_adj imm29_adj imm30_adj
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
 mm29_adj - mm30_adj = 0

ldwroll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0004522	.0016346	-0.28	0.782	-.003656	.0027516

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
 mm29_adj + mm30_adj = .0004522

ldwroll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-4.92e-17	.0016346	-0.00	1.000	-.0032038	.0032038

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 12.88
 Prob > chi2 = 0.0751

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0

```
( 4) mm25_adj = 0
( 5) mm26_adj = 0
( 6) mm27_adj = 0
( 7) mm28_adj = 0
( 8) mm29_adj = 0
( 9) mm30_adj = 0
```

```
chi2( 9) = 22.30
Prob > chi2 = 0.0080
```

```
( 1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = 0
```

```
chi2( 1) = 0.08
Prob > chi2 = 0.7821
```

```
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH3_nounemp.xls
dir : seeout
```

Phase 3 dependent variable: ldwroll48, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm21_adj	549.24	0.0000	2654.57	0.0000	2603.02	
mm23_adj	427.63	0.0000	2875.79	0.0000	2819.95	
mm24_adj	420.91	0.0000	3136.84	0.0000	3075.93	
mm25_adj	407.77	0.0000	2999.97	0.0000	2941.72	
mm26_adj	477.49	0.0000	3205.92	0.0000	3143.67	
mm27_adj	469.52	0.0000	2999.71	0.0000	2941.47	
mm28_adj	563.27	0.0000	3198.29	0.0000	3136.18	
mm29_adj	439.80	0.0000	3012.40	0.0000	2953.91	
mm30_adj	394.31	0.0000	3008.77	0.0000	2950.35	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=9.49 P-val=0.0021

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.3e+05

Kleibergen-Paap Wald rk F statistic 338.83

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,53)= 3.61 P-val=0.0015
 Anderson-Rubin Wald test Chi-sq(9)= 33.09 P-val=0.0001
 Stock-Wright LM S statistic Chi-sq(9)= 9.77 P-val=0.3692

NB: Underidentification, weak identification and weak-identification-robust
 test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 114657
 Number of regressors K = 9
 Number of endogenous regressors K1 = 9
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 114657
 F(9, 53) = 3.59
 Prob > F = 0.0015
 Total (centered) SS = 6423.071331 Centered R2 = 0.0001
 Total (uncentered) SS = 6423.071331 Uncentered R2 = 0.0001
 Residual SS = 6422.325075 Root MSE = .2367

ldwroll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm21_adj	-.0016884	.0012525	-1.35	0.178	-.0041433	.0007665
mm23_adj	.0031532	.0030326	1.04	0.298	-.0027907	.009097
mm24_adj	-.0000813	.0020809	-0.04	0.969	-.0041597	.0039971
mm25_adj	-.0008713	.002137	-0.41	0.683	-.0050597	.0033172
mm26_adj	-.0005081	.0030556	-0.17	0.868	-.006497	.0054808
mm27_adj	.0057309	.0019079	3.00	0.003	.0019914	.0094703
mm28_adj	.0003677	.0014516	0.25	0.800	-.0024774	.0032128
mm29_adj	-.0048039	.0018867	-2.55	0.011	-.0085018	-.001106
mm30_adj	.0003922	.0027851	0.14	0.888	-.0050666	.005851

Underidentification test (Kleibergen-Paap rk LM statistic): 9.490
 Chi-sq(1) P-val = 0.0021

Weak identification test (Cragg-Donald Wald F statistic): 1.3e+05
 (Kleibergen-Paap rk Wald F statistic): 338.827
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
 mm28_adj mm29_adj mm30_adj
 Included instruments:
 Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
 imm27_adj imm28_adj imm29_adj imm30_adj
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis

```

tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

```

```

-----
( 1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
mm29_adj - mm30_adj = 0

```

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0016911	.0015667	-1.08	0.280	-.0047617 .0013795

```

( 1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = .0016911

```

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-9.76e-18	.0015667	-0.00	1.000	-.0030706 .0030706

- ```

(1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
(2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
(3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
(4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
(5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
(6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
(7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

```

```

chi2(7) = 22.28
Prob > chi2 = 0.0023

```

- ```

( 1) mm21_adj = 0
( 2) mm23_adj = 0
( 3) mm24_adj = 0
( 4) mm25_adj = 0
( 5) mm26_adj = 0
( 6) mm27_adj = 0
( 7) mm28_adj = 0
( 8) mm29_adj = 0
( 9) mm30_adj = 0

```

```

chi2( 9) = 33.00
Prob > chi2 = 0.0001

```

```

( 1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = 0

```

```

chi2( 1) = 1.17
Prob > chi2 = 0.2804

```


(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj - mm29_adj - mm30_adj = 0

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0007802	.0011069	0.70	0.481	-.0013892 .0029496

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = -.0007802

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-2.79e-17	.0011069	-0.00	1.000	-.0021694 .0021694

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 7.57
 Prob > chi2 = 0.3724

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0
- (9) mm30_adj = 0

chi2(9) = 9.03
 Prob > chi2 = 0.4344

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = 0

chi2(1) = 0.50
 Prob > chi2 = 0.4809

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_nounemp.xls
 dir : seeout

Phase 3 dependent variable: eperoll124, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm21_adj	549.24	0.0000	2654.57	0.0000	2603.02	

eperoll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm21_adj	-.0019418	.0016107	-1.21	0.228	-.0050987	.0012151
mm23_adj	.0042303	.0025509	1.66	0.097	-.0007694	.00923
mm24_adj	.000434	.001836	0.24	0.813	-.0031645	.0040325
mm25_adj	.0016302	.001343	1.21	0.225	-.0010021	.0042625
mm26_adj	-.0000425	.0023366	-0.02	0.986	-.004622	.0045371
mm27_adj	.0002712	.0018771	0.14	0.885	-.0034079	.0039503
mm28_adj	-.0011245	.0016656	-0.68	0.500	-.0043889	.0021399
mm29_adj	-.0025026	.0017481	-1.43	0.152	-.0059287	.0009236
mm30_adj	-.0009712	.001871	-0.52	0.604	-.0046383	.0026958

Underidentification test (Kleibergen-Paap rk LM statistic): 9.490
Chi-sq(1) P-val = 0.0021

Weak identification test (Cragg-Donald Wald F statistic): 1.3e+05
(Kleibergen-Paap rk Wald F statistic): 338.827

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
mm28_adj mm29_adj mm30_adj

Included instruments:

Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
imm27_adj imm28_adj imm29_adj imm30_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
mm29_adj - mm30_adj = 0

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0000169	.0017738	0.01	0.992	-.0034596	.0034935

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = -.0000169

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
-----------	-------	-----------	---	------	----------------------	--

```
-----+-----
(1) | -1.45e-17 .0017738 -0.00 1.000 -.0034765 .0034765
-----+-----
```

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

```
chi2( 7) = 15.89
Prob > chi2 = 0.0262
```

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0
- (9) mm30_adj = 0

```
chi2( 9) = 24.53
Prob > chi2 = 0.0035
```

```
( 1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = 0
```

```
chi2( 1) = 0.00
Prob > chi2 = 0.9924
```

```
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH3_nounemp.xls
dir : seeout
```

```
***Phase 3*** dependent variable: eperoll36, unemployment: nounemp
```

Summary results for first-stage regressions

```
-----
```

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm21_adj	549.24	0.0000	2654.57	0.0000	2603.02	
mm23_adj	427.63	0.0000	2875.79	0.0000	2819.95	
mm24_adj	420.91	0.0000	3136.84	0.0000	3075.93	
mm25_adj	407.77	0.0000	2999.97	0.0000	2941.72	
mm26_adj	477.49	0.0000	3205.92	0.0000	3143.67	
mm27_adj	469.52	0.0000	2999.71	0.0000	2941.47	
mm28_adj	563.27	0.0000	3198.29	0.0000	3136.18	
mm29_adj	439.80	0.0000	3012.40	0.0000	2953.91	
mm30_adj	394.31	0.0000	3008.77	0.0000	2950.35	

NB: first-stage test statistics cluster-robust

```
Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias 20.53
10% maximal IV size 16.38
15% maximal IV size 8.96
```

20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=9.49 P-val=0.0021

Weak identification test

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 1.3e+05
 Kleibergen-Paap Wald rk F statistic 338.83

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 4.70 P-val=0.0001
 Anderson-Rubin Wald test Chi-sq(9)= 43.13 P-val=0.0000
 Stock-Wright LM S statistic Chi-sq(9)= 8.95 P-val=0.4419

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 114657
 Number of regressors K = 9
 Number of endogenous regressors K1 = 9
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 114657
 F(9, 53) = 4.69
 Prob > F = 0.0001
 Total (centered) SS = 6476.635421 Centered R2 = 0.0001
 Total (uncentered) SS = 6476.635421 Uncentered R2 = 0.0001
 Residual SS = 6475.885723 Root MSE = .2377

eperoll136	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm21_adj	-.0011267	.0016557	-0.68	0.496	-.0043718	.0021185
mm23_adj	.0041805	.0028811	1.45	0.147	-.0014663	.0098272
mm24_adj	.0005248	.002043	0.26	0.797	-.0034794	.0045291
mm25_adj	.0008851	.0021378	0.41	0.679	-.0033049	.0050752
mm26_adj	.0001718	.0028513	0.06	0.952	-.0054167	.0057602
mm27_adj	.0023324	.0015517	1.50	0.133	-.0007089	.0053737
mm28_adj	-.0010164	.0017509	-0.58	0.562	-.0044481	.0024153
mm29_adj	-.0050612	.0021202	-2.39	0.017	-.0092167	-.0009057
mm30_adj	-.0000107	.0023983	-0.00	0.996	-.0047112	.0046899

Underidentification test (Kleibergen-Paap rk LM statistic): 9.490
 Chi-sq(1) P-val = 0.0021

Weak identification test (Cragg-Donald Wald F statistic): 1.3e+05
 (Kleibergen-Paap rk Wald F statistic): 338.827
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
 mm28_adj mm29_adj mm30_adj

Included instruments:

Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
 imm27_adj imm28_adj imm29_adj imm30_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
 mm29_adj - mm30_adj = 0

eperoll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0008797	.0020095	-0.44	0.662	-.0048183 .0030588

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
 mm29_adj + mm30_adj = .0008797

eperoll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	7.05e-18	.0020095	0.00	1.000	-.0039386 .0039386

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 21.98
 Prob > chi2 = 0.0026

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,53)=	2.43	P-val=0.0214
Anderson-Rubin Wald test	Chi-sq(9)=	22.33	P-val=0.0079
Stock-Wright LM S statistic	Chi-sq(9)=	6.41	P-val=0.6985

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	114657
Number of regressors	K =	9
Number of endogenous regressors	K1 =	9
Number of instruments	L =	9
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	114657
		F(9, 53) =	2.51
		Prob > F =	0.0180
Total (centered) SS =	7597.717335	Centered R2 =	0.0001
Total (uncentered) SS =	7597.717335	Uncentered R2 =	0.0001
Residual SS =	7597.000177	Root MSE =	.2574

eperoll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mm21_adj	-.0002029	.0015949	-0.13	0.899	-.0033289 .002923
mm23_adj	.0052168	.0034929	1.49	0.135	-.0016291 .0120627
mm24_adj	.0007028	.0027038	0.26	0.795	-.0045966 .0060022
mm25_adj	.0003198	.0027166	0.12	0.906	-.0050046 .0056443
mm26_adj	-.0014734	.0027078	-0.54	0.586	-.0067806 .0038339
mm27_adj	.0017414	.0017792	0.98	0.328	-.0017458 .0052286
mm28_adj	-.0002798	.0018736	-0.15	0.881	-.0039521 .0033924
mm29_adj	-.0039009	.0019812	-1.97	0.049	-.0077841 -.0000178
mm30_adj	-.0002372	.0027422	-0.09	0.931	-.0056117 .0051374

Underidentification test (Kleibergen-Paap rk LM statistic): 9.490
 Chi-sq(1) P-val = 0.0021

Weak identification test (Cragg-Donald Wald F statistic): 1.3e+05
 (Kleibergen-Paap rk Wald F statistic): 338.827

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
 mm28_adj mm29_adj mm30_adj

Included instruments:

Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
 imm27_adj imm28_adj imm29_adj imm30_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj - mm29_adj - mm30_adj = 0

eperoll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0018866	.0021947	-0.86	0.390	-.006188 .0024148

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = .0018866

eperoll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-5.01e-17	.0021947	-0.00	1.000	-.0043014 .0043014

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 12.95
 Prob > chi2 = 0.0734

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0
- (9) mm30_adj = 0

chi2(9) = 23.02
 Prob > chi2 = 0.0061

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = 0

chi2(1) = 0.74
 Prob > chi2 = 0.3900

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_nounemp.xls
 dir : seeout

Phase 3 dependent variable: twproll12, unemployment: nounemp

Summary results for first-stage regressions

Variable	F(9, 53)	P-val	(Underid)		(Weak id)	
			AP Chi-sq(1)	P-val	AP F(1, 53)	
mm21_adj	549.24	0.0000	2654.57	0.0000	2603.02	
mm23_adj	427.63	0.0000	2875.79	0.0000	2819.95	
mm24_adj	420.91	0.0000	3136.84	0.0000	3075.93	
mm25_adj	407.77	0.0000	2999.97	0.0000	2941.72	
mm26_adj	477.49	0.0000	3205.92	0.0000	3143.67	
mm27_adj	469.52	0.0000	2999.71	0.0000	2941.47	
mm28_adj	563.27	0.0000	3198.29	0.0000	3136.18	
mm29_adj	439.80	0.0000	3012.40	0.0000	2953.91	
mm30_adj	394.31	0.0000	3008.77	0.0000	2950.35	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=9.49 P-val=0.0021

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.3e+05

Kleibergen-Paap Wald rk F statistic 338.83

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 0.94 P-val=0.4962

Anderson-Rubin Wald test Chi-sq(9)= 8.66 P-val=0.4693

Stock-Wright LM S statistic Chi-sq(9)= 4.62 P-val=0.8660

NB: Underidentification, weak identification and weak-identification-robust
 test statistics cluster-robust

Number of clusters N_clust = 54

Number of observations N = 114657

Number of regressors K = 9

nb: small-sample adjustments account for
partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
mm29_adj - mm30_adj = 0

twproll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0001538	.0020815	-0.07	0.941	-.0042334	.0039258

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = .0001538

twproll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	1.17e-18	.0020815	0.00	1.000	-.0040796	.0040796

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 8.36
Prob > chi2 = 0.3023

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0
- (9) mm30_adj = 0

chi2(9) = 8.77
Prob > chi2 = 0.4589

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = 0

chi2(1) = 0.01
Prob > chi2 = 0.9411

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH3_nounemp.xls
dir : seeout

Phase 3 dependent variable: twproll24, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm21_adj	549.24	0.0000	2654.57	0.0000	2603.02	
mm23_adj	427.63	0.0000	2875.79	0.0000	2819.95	
mm24_adj	420.91	0.0000	3136.84	0.0000	3075.93	
mm25_adj	407.77	0.0000	2999.97	0.0000	2941.72	
mm26_adj	477.49	0.0000	3205.92	0.0000	3143.67	
mm27_adj	469.52	0.0000	2999.71	0.0000	2941.47	
mm28_adj	563.27	0.0000	3198.29	0.0000	3136.18	
mm29_adj	439.80	0.0000	3012.40	0.0000	2953.91	
mm30_adj	394.31	0.0000	3008.77	0.0000	2950.35	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=9.49 P-val=0.0021

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.3e+05

Kleibergen-Paap Wald rk F statistic 338.83

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 0.76 P-val=0.6527

Anderson-Rubin Wald test Chi-sq(9)= 6.98 P-val=0.6393

Stock-Wright LM S statistic Chi-sq(9)= 3.71 P-val=0.9296

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54

Number of observations N = 114657

Number of regressors K = 9

Number of endogenous regressors K1 = 9

Number of instruments L = 9

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54

Number of obs = 114657

F(9, 53) = 0.77

Prob > F = 0.6442

twproll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-4.34e-18	.0025506	-0.00	1.000	-.0049991	.0049991

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 6.71
 Prob > chi2 = 0.4594

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0
- (9) mm30_adj = 0

chi2(9) = 7.07
 Prob > chi2 = 0.6300

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = 0

chi2(1) = 0.21
 Prob > chi2 = 0.6449

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_nounemp.xls
 dir : seeout

Phase 3 dependent variable: twproll36, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm21_adj	549.24	0.0000	2654.57	0.0000	2603.02	
mm23_adj	427.63	0.0000	2875.79	0.0000	2819.95	
mm24_adj	420.91	0.0000	3136.84	0.0000	3075.93	
mm25_adj	407.77	0.0000	2999.97	0.0000	2941.72	
mm26_adj	477.49	0.0000	3205.92	0.0000	3143.67	
mm27_adj	469.52	0.0000	2999.71	0.0000	2941.47	
mm28_adj	563.27	0.0000	3198.29	0.0000	3136.18	
mm29_adj	439.80	0.0000	3012.40	0.0000	2953.91	
mm30_adj	394.31	0.0000	3008.77	0.0000	2950.35	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=9.49 P-val=0.0021

Weak identification test

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 1.3e+05
 Kleibergen-Paap Wald rk F statistic 338.83

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 0.81 P-val=0.6119
 Anderson-Rubin Wald test Chi-sq(9)= 7.41 P-val=0.5950
 Stock-Wright LM S statistic Chi-sq(9)= 4.09 P-val=0.9052

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 114657
 Number of regressors K = 9
 Number of endogenous regressors K1 = 9
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 114657
 F(9, 53) = 0.80
 Prob > F = 0.6153
 Total (centered) SS = 7833.001459 Centered R2 = 0.0001
 Total (uncentered) SS = 7833.001459 Uncentered R2 = 0.0001
 Residual SS = 7832.407138 Root MSE = .2614

twproll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm21_adj	.0029441	.0018094	1.63	0.104	-.0006022	.0064904
mm23_adj	.0026367	.0023292	1.13	0.258	-.0019285	.0072018
mm24_adj	.0007681	.0022251	0.35	0.730	-.003593	.0051291
mm25_adj	-.0021766	.0024086	-0.90	0.366	-.0068973	.0025441
mm26_adj	-.0027088	.0022041	-1.23	0.219	-.0070287	.0016111
mm27_adj	.003352	.0030871	1.09	0.278	-.0026987	.0094026
mm28_adj	-.0015302	.0023267	-0.66	0.511	-.0060905	.0030301

mm29_adj		-.001241	.001992	-0.62	0.533	-.0051452	.0026632
mm30_adj		-.0006116	.0022744	-0.27	0.788	-.0050694	.0038462

Underidentification test (Kleibergen-Paap rk LM statistic): 9.490
Chi-sq(1) P-val = 0.0021

Weak identification test (Cragg-Donald Wald F statistic): 1.3e+05
(Kleibergen-Paap rk Wald F statistic): 338.827

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
mm28_adj mm29_adj mm30_adj

Included instruments:

Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
imm27_adj imm28_adj imm29_adj imm30_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
mm29_adj - mm30_adj = 0

twproll136		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		-.0014326	.0018628	-0.77	0.442	-.0050837 .0022185

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = .0014326

twproll136		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		-1.63e-17	.0018628	-0.00	1.000	-.0036511 .0036511

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
(2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
(3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
(4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
(5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
(6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
(7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 3.06
Prob > chi2 = 0.8792

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0
- (9) mm30_adj = 0

chi2(9) = 7.37
Prob > chi2 = 0.5987

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = 0

chi2(1) = 0.59
Prob > chi2 = 0.4419

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH3_nounemp.xls
dir : seeout

Phase 3 dependent variable: twproll48, unemployment: nounemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)	
	F(9, 53)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 53)
mm21_adj	549.24	0.0000		2654.57	0.0000		2603.02
mm23_adj	427.63	0.0000		2875.79	0.0000		2819.95
mm24_adj	420.91	0.0000		3136.84	0.0000		3075.93
mm25_adj	407.77	0.0000		2999.97	0.0000		2941.72
mm26_adj	477.49	0.0000		3205.92	0.0000		3143.67
mm27_adj	469.52	0.0000		2999.71	0.0000		2941.47
mm28_adj	563.27	0.0000		3198.29	0.0000		3136.18
mm29_adj	439.80	0.0000		3012.40	0.0000		2953.91
mm30_adj	394.31	0.0000		3008.77	0.0000		2950.35

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias 20.53
10% maximal IV size 16.38
15% maximal IV size 8.96
20% maximal IV size 6.66
25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
Ha: matrix has rank=K1 (identified)
Kleibergen-Paap rk LM statistic Chi-sq(1)=9.49 P-val=0.0021

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.3e+05
 Kleibergen-Paap Wald rk F statistic 338.83

Stock-Yogo weak ID test critical values for K1=9 and L1=9: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,53)= 0.79 P-val=0.6225
 Anderson-Rubin Wald test Chi-sq(9)= 7.29 P-val=0.6065
 Stock-Wright LM S statistic Chi-sq(9)= 3.95 P-val=0.9147

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 114657
 Number of regressors K = 9
 Number of endogenous regressors K1 = 9
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 114657
 F(9, 53) = 0.80
 Prob > F = 0.6188
 Total (centered) SS = 8763.154281 Centered R2 = 0.0001
 Total (uncentered) SS = 8763.154281 Uncentered R2 = 0.0001
 Residual SS = 8762.517071 Root MSE = .2764

twproll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm21_adj	.0033517	.0022093	1.52	0.129	-.0009784	.0076818
mm23_adj	.0024765	.0024247	1.02	0.307	-.0022759	.0072289
mm24_adj	-.0008031	.0022499	-0.36	0.721	-.0052127	.0036065
mm25_adj	-.0027393	.0030297	-0.90	0.366	-.0086773	.0031987
mm26_adj	-.0039333	.0023329	-1.69	0.092	-.0085058	.0006392
mm27_adj	.0036946	.0033961	1.09	0.277	-.0029617	.010351
mm28_adj	.0002894	.0023888	0.12	0.904	-.0043926	.0049714
mm29_adj	-.0009164	.001837	-0.50	0.618	-.0045167	.002684
mm30_adj	.0002333	.0023122	0.10	0.920	-.0042986	.0047652

Underidentification test (Kleibergen-Paap rk LM statistic): 9.490
 Chi-sq(1) P-val = 0.0021

Weak identification test (Cragg-Donald Wald F statistic): 1.3e+05
 (Kleibergen-Paap rk Wald F statistic): 338.827

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
 mm28_adj mm29_adj mm30_adj

Included instruments:

Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
imm27_adj imm28_adj imm29_adj imm30_adj

Partialled-out:

male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
mm29_adj - mm30_adj = 0

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0016535	.0017882	-0.92	0.355	-.0051583 .0018514

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = .0016535

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-8.67e-18	.0017882	-0.00	1.000	-.0035048 .0035048

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 5.26
Prob > chi2 = 0.6283

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0
- (9) mm30_adj = 0

chi2(9) = 7.33
Prob > chi2 = 0.6026

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = 0

chi2(1) = 0.85
 Prob > chi2 = 0.3551

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_PH3_nounemp.xls

dir : seeout

Phase 3 dependent variable: srvroll12, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm21_adj	549.24	0.0000	2654.57	0.0000	2603.02	
mm23_adj	427.63	0.0000	2875.79	0.0000	2819.95	
mm24_adj	420.91	0.0000	3136.84	0.0000	3075.93	
mm25_adj	407.77	0.0000	2999.97	0.0000	2941.72	
mm26_adj	477.49	0.0000	3205.92	0.0000	3143.67	
mm27_adj	469.52	0.0000	2999.71	0.0000	2941.47	
mm28_adj	563.27	0.0000	3198.29	0.0000	3136.18	
mm29_adj	439.80	0.0000	3012.40	0.0000	2953.91	
mm30_adj	394.31	0.0000	3008.77	0.0000	2950.35	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=9.49 P-val=0.0021

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.3e+05

Kleibergen-Paap Wald rk F statistic 338.83

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 5.36 P-val=0.0000

Anderson-Rubin Wald test Chi-sq(9)= 49.18 P-val=0.0000

Stock-Wright LM S statistic Chi-sq(9)= 9.49 P-val=0.3935

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
 mm29_adj - mm30_adj = 0

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0021632	.0008819	-2.45	0.014	-.0038916 - .0004348

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
 mm29_adj + mm30_adj = .0021632

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	1.34e-17	.0008819	0.00	1.000	-.0017284 .0017284

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 6.02
 Prob > chi2 = 0.5379

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0
- (9) mm30_adj = 0

chi2(9) = 51.19
 Prob > chi2 = 0.0000

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
 mm29_adj + mm30_adj = 0

chi2(1) = 6.02
 Prob > chi2 = 0.0142

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_nounemp.xls
 dir : seeout

Phase 3 dependent variable: srvroll124, unemployment: nounemp

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = .0009265

-----	-----	-----	-----	-----	-----	-----
srvroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	-----
(1)	-3.36e-17	.0011353	-0.00	1.000	-.0022251 .0022251	-----

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 8.95
 Prob > chi2 = 0.2560

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0
- (9) mm30_adj = 0

chi2(9) = 14.25
 Prob > chi2 = 0.1137

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = 0

chi2(1) = 0.67
 Prob > chi2 = 0.4145

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_nounemp.xls
 dir : seeout

Phase 3 dependent variable: srvroll36, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm21_adj	549.24	0.0000	2654.57	0.0000	2603.02	
mm23_adj	427.63	0.0000	2875.79	0.0000	2819.95	
mm24_adj	420.91	0.0000	3136.84	0.0000	3075.93	
mm25_adj	407.77	0.0000	2999.97	0.0000	2941.72	
mm26_adj	477.49	0.0000	3205.92	0.0000	3143.67	
mm27_adj	469.52	0.0000	2999.71	0.0000	2941.47	
mm28_adj	563.27	0.0000	3198.29	0.0000	3136.18	
mm29_adj	439.80	0.0000	3012.40	0.0000	2953.91	
mm30_adj	394.31	0.0000	3008.77	0.0000	2950.35	

mm26_adj		- .0007	.0013137	-0.53	0.594	-.0032748	.0018749
mm27_adj		-.0002521	.0014214	-0.18	0.859	-.003038	.0025339
mm28_adj		-.0012221	.002126	-0.57	0.565	-.005389	.0029448
mm29_adj		.0015937	.0015948	1.00	0.318	-.001532	.0047194
mm30_adj		-.0000975	.0011637	-0.08	0.933	-.0023784	.0021834

Underidentification test (Kleibergen-Paap rk LM statistic): 9.490
Chi-sq(1) P-val = 0.0021

Weak identification test (Cragg-Donald Wald F statistic): 1.3e+05
(Kleibergen-Paap rk Wald F statistic): 338.827
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
mm28_adj mm29_adj mm30_adj
Included instruments:
Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
imm27_adj imm28_adj imm29_adj imm30_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
mm29_adj - mm30_adj = 0

srvroll136		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		.0001179	.0013048	0.09	0.928	-.0024394 .0026753

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = -.0001179

srvroll136		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		1.21e-17	.0013048	0.00	1.000	-.0025573 .0025573

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
(2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
(3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
(4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
(5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0

(6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
 (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 6.51
 Prob > chi2 = 0.4821

(1) mm21_adj = 0
 (2) mm23_adj = 0
 (3) mm24_adj = 0
 (4) mm25_adj = 0
 (5) mm26_adj = 0
 (6) mm27_adj = 0
 (7) mm28_adj = 0
 (8) mm29_adj = 0
 (9) mm30_adj = 0

chi2(9) = 9.16
 Prob > chi2 = 0.4223

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
 mm29_adj + mm30_adj = 0

chi2(1) = 0.01
 Prob > chi2 = 0.9280

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_nounemp.xls
 dir : seeout

Phase 3 dependent variable: srvroll48, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm21_adj	549.24	0.0000	2654.57	0.0000	2603.02	
mm23_adj	427.63	0.0000	2875.79	0.0000	2819.95	
mm24_adj	420.91	0.0000	3136.84	0.0000	3075.93	
mm25_adj	407.77	0.0000	2999.97	0.0000	2941.72	
mm26_adj	477.49	0.0000	3205.92	0.0000	3143.67	
mm27_adj	469.52	0.0000	2999.71	0.0000	2941.47	
mm28_adj	563.27	0.0000	3198.29	0.0000	3136.18	
mm29_adj	439.80	0.0000	3012.40	0.0000	2953.91	
mm30_adj	394.31	0.0000	3008.77	0.0000	2950.35	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=9.49 P-val=0.0021

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 1.3e+05
 Kleibergen-Paap Wald rk F statistic 338.83

Stock-Yogo weak ID test critical values for K1=9 and L1=9: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,53)= 1.00 P-val=0.4509
 Anderson-Rubin Wald test Chi-sq(9)= 9.19 P-val=0.4202
 Stock-Wright LM S statistic Chi-sq(9)= 6.27 P-val=0.7128

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 114657
 Number of regressors K = 9
 Number of endogenous regressors K1 = 9
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 114657
 F(9, 53) = 0.98
 Prob > F = 0.4706
 Total (centered) SS = 2751.000751 Centered R2 = 0.0000
 Total (uncentered) SS = 2751.000751 Uncentered R2 = 0.0000
 Residual SS = 2750.892889 Root MSE = .1549

srvroll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm21_adj	.0019849	.0011602	1.71	0.087	-.000289	.0042588
mm23_adj	.0000361	.0011485	0.03	0.975	-.0022149	.0022871
mm24_adj	-.0009795	.0012111	-0.81	0.419	-.0033532	.0013943
mm25_adj	-.0004446	.0011581	-0.38	0.701	-.0027144	.0018253
mm26_adj	-.0016822	.0011565	-1.45	0.146	-.003949	.0005846
mm27_adj	.0004004	.0011846	0.34	0.735	-.0019214	.0027222
mm28_adj	-.0004211	.0014855	-0.28	0.777	-.0033326	.0024904
mm29_adj	.0015311	.0014772	1.04	0.300	-.0013641	.0044264
mm30_adj	-.0004778	.001203	-0.40	0.691	-.0028356	.0018799

Underidentification test (Kleibergen-Paap rk LM statistic): 9.490
 Chi-sq(1) P-val = 0.0021

Weak identification test (Cragg-Donald Wald F statistic): 1.3e+05
 (Kleibergen-Paap rk Wald F statistic): 338.827
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

```

-----
Instrumented:      mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
                  mm28_adj mm29_adj mm30_adj
Included instruments:
Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
                    imm27_adj imm28_adj imm29_adj imm30_adj
Partialled-out:    male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
    partialled-out variables
-----

```

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj - mm29_adj - mm30_adj = 0

```

-----
      srvroll48 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
      (1) |      .0000526   .0015422     0.03   0.973    - .0029701   .0030753
-----

```

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = -.0000526

```

-----
      srvroll48 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
      (1) | -3.41e-17   .0015422    -0.00   1.000    - .0030227   .0030227
-----

```

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 8.23
 Prob > chi2 = 0.3131

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0
- (9) mm30_adj = 0

chi2(9) = 8.95
 Prob > chi2 = 0.4415

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
 mm29_adj + mm30_adj = 0

chi2(1) = 0.00
 Prob > chi2 = 0.9728

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_nounemp.xls
 dir : seeout

Phase 3 dependent variable: nstwl2, unemployment: nounemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)		
	F(9, 53)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 53)	
mm21_adj	549.24	0.0000		2654.57	0.0000		2603.02	
mm23_adj	427.63	0.0000		2875.79	0.0000		2819.95	
mm24_adj	420.91	0.0000		3136.84	0.0000		3075.93	
mm25_adj	407.77	0.0000		2999.97	0.0000		2941.72	
mm26_adj	477.49	0.0000		3205.92	0.0000		3143.67	
mm27_adj	469.52	0.0000		2999.71	0.0000		2941.47	
mm28_adj	563.27	0.0000		3198.29	0.0000		3136.18	
mm29_adj	439.80	0.0000		3012.40	0.0000		2953.91	
mm30_adj	394.31	0.0000		3008.77	0.0000		2950.35	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=9.49 P-val=0.0021

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 1.3e+05
 Kleibergen-Paap Wald rk F statistic 338.83

Stock-Yogo weak ID test critical values for K1=9 and L1=9: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,53)= 4.81 P-val=0.0001
 Anderson-Rubin Wald test Chi-sq(9)= 44.19 P-val=0.0000
 Stock-Wright LM S statistic Chi-sq(9)= 7.48 P-val=0.5876


```

st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
( 1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
mm29_adj - mm30_adj = 0

```

nstwl2	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0004136	.0062361	0.07	0.947	-.0118088	.0126361

```

( 1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = -.0004136

```

nstwl2	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-1.70e-17	.0062361	-0.00	1.000	-.0122224	.0122224

- ```

(1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
(2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
(3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
(4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
(5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
(6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
(7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

```

```

 chi2(7) = 33.89
Prob > chi2 = 0.0000

```

- ```

( 1) mm21_adj = 0
( 2) mm23_adj = 0
( 3) mm24_adj = 0
( 4) mm25_adj = 0
( 5) mm26_adj = 0
( 6) mm27_adj = 0
( 7) mm28_adj = 0
( 8) mm29_adj = 0
( 9) mm30_adj = 0

```

```

      chi2( 9) =    46.27
Prob > chi2 =    0.0000

```

```

( 1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = 0

```

```

      chi2( 1) =    0.00
Prob > chi2 =    0.9471

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_PH3_nounemp.xls
dir : seeout

```



```
-----+-----
(1) | .0107049 .0165667 0.65 0.518 -.0217653 .0431751
-----+-----
```

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = -.0107049

```
-----+-----
nstw24 | Coef. Std. Err. z P>|z| [95% Conf. Interval]
-----+-----
(1) | 6.94e-18 .0165667 0.00 1.000 -.0324702 .0324702
-----+-----
```

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 17.20
 Prob > chi2 = 0.0161

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0
- (7) mm28_adj = 0
- (8) mm29_adj = 0
- (9) mm30_adj = 0

chi2(9) = 19.17
 Prob > chi2 = 0.0238

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj + mm29_adj + mm30_adj = 0

chi2(1) = 0.42
 Prob > chi2 = 0.5182

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_nounemp.xls
 dir : seeout

Phase 3 dependent variable: nstw36, unemployment: nounemp

Summary results for first-stage regressions

```
-----+-----
Variable | F( 9, 53) P-val | (Underid) AP Chi-sq( 1) P-val | (Weak id) AP F( 1, 53)
-----+-----
mm21_adj | 549.24 0.0000 | 2654.57 0.0000 | 2603.02
mm23_adj | 427.63 0.0000 | 2875.79 0.0000 | 2819.95
mm24_adj | 420.91 0.0000 | 3136.84 0.0000 | 3075.93
mm25_adj | 407.77 0.0000 | 2999.97 0.0000 | 2941.72
mm26_adj | 477.49 0.0000 | 3205.92 0.0000 | 3143.67
mm27_adj | 469.52 0.0000 | 2999.71 0.0000 | 2941.47
mm28_adj | 563.27 0.0000 | 3198.29 0.0000 | 3136.18
-----+-----
```


mm23_adj	.070434	.0336584	2.09	0.036	.0044647	.1364032
mm24_adj	-.0425384	.0309018	-1.38	0.169	-.1031048	.018028
mm25_adj	-.002939	.0363378	-0.08	0.936	-.0741597	.0682818
mm26_adj	-.0246155	.0422109	-0.58	0.560	-.1073474	.0581164
mm27_adj	-.0356305	.0365742	-0.97	0.330	-.1073146	.0360536
mm28_adj	.0382529	.0422396	0.91	0.365	-.0445351	.1210409
mm29_adj	-.0012227	.0218098	-0.06	0.955	-.0439692	.0415238
mm30_adj	.0250448	.0383309	0.65	0.514	-.0500824	.1001719

Underidentification test (Kleibergen-Paap rk LM statistic): 9.490
Chi-sq(1) P-val = 0.0021

Weak identification test (Cragg-Donald Wald F statistic): 1.3e+05
(Kleibergen-Paap rk Wald F statistic): 338.827

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
mm28_adj mm29_adj mm30_adj
Included instruments:
Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
imm27_adj imm28_adj imm29_adj imm30_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
mm29_adj - mm30_adj = 0

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0139182	.023434	0.59	0.553	-.0320115 .0598479

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = -.0139182

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	2.26e-17	.023434	0.00	1.000	-.0459297 .0459297

(1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
(2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0

(3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
 (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
 (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
 (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
 (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 13.10
 Prob > chi2 = 0.0697

(1) mm21_adj = 0
 (2) mm23_adj = 0
 (3) mm24_adj = 0
 (4) mm25_adj = 0
 (5) mm26_adj = 0
 (6) mm27_adj = 0
 (7) mm28_adj = 0
 (8) mm29_adj = 0
 (9) mm30_adj = 0

chi2(9) = 15.72
 Prob > chi2 = 0.0730

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
 mm29_adj + mm30_adj = 0

chi2(1) = 0.35
 Prob > chi2 = 0.5526

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_nounemp.xls
 dir : seeout

Phase 3 dependent variable: nstw48, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm21_adj	549.24	0.0000	2654.57	0.0000	2603.02	
mm23_adj	427.63	0.0000	2875.79	0.0000	2819.95	
mm24_adj	420.91	0.0000	3136.84	0.0000	3075.93	
mm25_adj	407.77	0.0000	2999.97	0.0000	2941.72	
mm26_adj	477.49	0.0000	3205.92	0.0000	3143.67	
mm27_adj	469.52	0.0000	2999.71	0.0000	2941.47	
mm28_adj	563.27	0.0000	3198.29	0.0000	3136.18	
mm29_adj	439.80	0.0000	3012.40	0.0000	2953.91	
mm30_adj	394.31	0.0000	3008.77	0.0000	2950.35	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm21_adj mm23_adj mm24_adj mm25_adj mm26_adj mm27_adj
mm28_adj mm29_adj mm30_adj
Included instruments:
Excluded instruments: imm21_adj imm23_adj imm24_adj imm25_adj imm26_adj
imm27_adj imm28_adj imm29_adj imm30_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm21_adj - mm23_adj - mm24_adj - mm25_adj - mm26_adj - mm27_adj - mm28_adj -
mm29_adj - mm30_adj = 0

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0304889	.0352099	0.87	0.387	-.0385213 .099499

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
mm29_adj + mm30_adj = -.0304889

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-4.86e-17	.0352099	-0.00	1.000	-.0690102 .0690102

- (1) - .5*mm21_adj + 1.5*mm23_adj - mm24_adj = 0
- (2) - .5*mm21_adj + .5*mm23_adj + mm24_adj - mm25_adj = 0
- (3) - .5*mm21_adj + .5*mm23_adj + mm25_adj - mm26_adj = 0
- (4) - .5*mm21_adj + .5*mm23_adj + mm26_adj - mm27_adj = 0
- (5) - .5*mm21_adj + .5*mm23_adj + mm27_adj - mm28_adj = 0
- (6) - .5*mm21_adj + .5*mm23_adj + mm28_adj - mm29_adj = 0
- (7) - .5*mm21_adj + .5*mm23_adj + mm29_adj - mm30_adj = 0

chi2(7) = 14.43
Prob > chi2 = 0.0441

- (1) mm21_adj = 0
- (2) mm23_adj = 0
- (3) mm24_adj = 0
- (4) mm25_adj = 0
- (5) mm26_adj = 0
- (6) mm27_adj = 0

(7) mm28_adj = 0
 (8) mm29_adj = 0
 (9) mm30_adj = 0

chi2(9) = 22.88
 Prob > chi2 = 0.0065

(1) mm21_adj + mm23_adj + mm24_adj + mm25_adj + mm26_adj + mm27_adj + mm28_adj +
 mm29_adj + mm30_adj = 0

chi2(1) = 0.75
 Prob > chi2 = 0.3865

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _PH3_nounemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: ldwroll12, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl1_adj	1045.23	0.0000	5647.25	0.0000	5539.61	
mm_pl3_adj	836.58	0.0000	6376.32	0.0000	6254.78	
mm_pl4_adj	857.14	0.0000	6970.23	0.0000	6837.37	
mm_pl5_adj	798.56	0.0000	6557.89	0.0000	6432.89	
mm_pl6_adj	904.12	0.0000	6681.56	0.0000	6554.21	
mm_pl7_adj	798.99	0.0000	6692.31	0.0000	6564.75	
mm_pl8_adj	851.20	0.0000	6814.72	0.0000	6684.83	
mm_pl9_adj	810.46	0.0000	6020.38	0.0000	5905.63	
mm_pl10_adj	766.33	0.0000	6338.28	0.0000	6217.47	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=19.62 P-val=0.0000

Weak identification test

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 1.5e+05
 Kleibergen-Paap Wald rk F statistic 618.27

Stock-Yogo weak ID test critical values for K1=9 and L1=9: <not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,53)= 2.22 P-val=0.0349


```

tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss imel ime_miss_cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
( 1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

```

```

-----
ldwroll12 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
( 1) |   -.0002046   .0009689    -0.21   0.833    - .0021036     .0016944
-----

```

```

( 1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0002046

```

```

-----
ldwroll12 |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
( 1) |   2.52e-17   .0009689     0.00   1.000    - .001899     .001899
-----

```

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

```

      chi2( 9) =    20.42
Prob > chi2 =    0.0155

```

```

( 1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

```

```

      chi2( 1) =     0.04
Prob > chi2 =    0.8327

```

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
- (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

```

      chi2( 7) =    17.89
Prob > chi2 =    0.0125

```

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_nounemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: ldwroll24, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl1_adj	1045.23	0.0000	5647.25	0.0000	5539.61	
mm_pl3_adj	836.58	0.0000	6376.32	0.0000	6254.78	
mm_pl4_adj	857.14	0.0000	6970.23	0.0000	6837.37	
mm_pl5_adj	798.56	0.0000	6557.89	0.0000	6432.89	
mm_pl6_adj	904.12	0.0000	6681.56	0.0000	6554.21	
mm_pl7_adj	798.99	0.0000	6692.31	0.0000	6564.75	
mm_pl8_adj	851.20	0.0000	6814.72	0.0000	6684.83	
mm_pl9_adj	810.46	0.0000	6020.38	0.0000	5905.63	
mm_pl10_adj	766.33	0.0000	6338.28	0.0000	6217.47	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=19.62 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 618.27

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 2.20 P-val=0.0367

Anderson-Rubin Wald test Chi-sq(9)= 20.17 P-val=0.0169

Stock-Wright LM S statistic Chi-sq(9)= 14.01 P-val=0.1219

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	191818
Number of regressors	K =	10
Number of endogenous regressors	K1 =	9
Number of instruments	L =	10
Number of excluded instruments	L1 =	9

partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
 - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0016712	.0009372	-1.78	0.075	-.0035081 .0001658

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
 mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0016712

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	4.16e-17	.0009372	0.00	1.000	-.0018369 .0018369

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 19.97
 Prob > chi2 = 0.0181

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
 mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 3.18
 Prob > chi2 = 0.0746

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
- (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 13.55
 Prob > chi2 = 0.0597

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_nounemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: ldwroll136, unemployment: nounemp

Summary results for first-stage regressions

(Underid) (Weak id)

Variable	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)
mm_pl1_adj	1045.23	0.0000	5647.25	0.0000	5539.61
mm_pl3_adj	836.58	0.0000	6376.32	0.0000	6254.78
mm_pl4_adj	857.14	0.0000	6970.23	0.0000	6837.37
mm_pl5_adj	798.56	0.0000	6557.89	0.0000	6432.89
mm_pl6_adj	904.12	0.0000	6681.56	0.0000	6554.21
mm_pl7_adj	798.99	0.0000	6692.31	0.0000	6564.75
mm_pl8_adj	851.20	0.0000	6814.72	0.0000	6684.83
mm_pl9_adj	810.46	0.0000	6020.38	0.0000	5905.63
mm_pl10_adj	766.33	0.0000	6338.28	0.0000	6217.47

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=19.62 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 618.27

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 1.66 P-val=0.1220

Anderson-Rubin Wald test Chi-sq(9)= 15.24 P-val=0.0845

Stock-Wright LM S statistic Chi-sq(9)= 10.63 P-val=0.3016

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54

Number of observations N = 191818

Number of regressors K = 10

Number of endogenous regressors K1 = 9

Number of instruments L = 10

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 97

NB: K & L do not include partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 191818

F(10, 53) = 2.00

Prob > F = 0.0522

Total (centered) SS = 8291.902397 Centered R2 = 0.0001

Total (uncentered) SS = 8291.902397 Uncentered R2 = 0.0001
 Residual SS = 8291.233144 Root MSE = .2079

ldwroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_pl1_adj	-.000814	.0011961	-0.68	0.496	-.0031583	.0015304
mm_pl3_adj	.0017411	.0018862	0.92	0.356	-.0019557	.0054379
mm_pl4_adj	.0007547	.0013002	0.58	0.562	-.0017936	.003303
mm_pl5_adj	-.0005467	.0012801	-0.43	0.669	-.0030557	.0019622
mm_pl6_adj	.0005406	.0017274	0.31	0.754	-.002845	.0039261
mm_pl7_adj	.0023284	.0013765	1.69	0.091	-.0003695	.0050264
mm_pl8_adj	.000481	.0012178	0.39	0.693	-.0019059	.0028679
mm_pl9_adj	-.0015888	.0011993	-1.32	0.185	-.0039394	.0007617
mm_pl10_adj	-.0013559	.0017858	-0.76	0.448	-.0048559	.0021441
phase2_st	.0067663	.0040211	1.68	0.092	-.0011149	.0146475

Underidentification test (Kleibergen-Paap rk LM statistic): 19.624
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
 (Kleibergen-Paap rk Wald F statistic): 618.268

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
 mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
 Included instruments: phase2_st
 Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
 imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
 imm_pl10_adj
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pia1 pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
 - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

ldwroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0015406	.0012868	-1.20	0.231	-.0040627	.0009816

(1) mm_p11_adj + mm_p13_adj + mm_p14_adj + mm_p15_adj + mm_p16_adj + mm_p17_adj + mm_p18_adj + mm_p19_adj + mm_p110_adj = .0015406

ldwroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-1.73e-18	.0012868	-0.00	1.000	-.0025221 .0025221

- (1) mm_p11_adj = 0
- (2) mm_p13_adj = 0
- (3) mm_p14_adj = 0
- (4) mm_p15_adj = 0
- (5) mm_p16_adj = 0
- (6) mm_p17_adj = 0
- (7) mm_p18_adj = 0
- (8) mm_p19_adj = 0
- (9) mm_p110_adj = 0

chi2(9) = 15.38
 Prob > chi2 = 0.0811

(1) mm_p11_adj + mm_p13_adj + mm_p14_adj + mm_p15_adj + mm_p16_adj + mm_p17_adj + mm_p18_adj + mm_p19_adj + mm_p110_adj = 0

chi2(1) = 1.43
 Prob > chi2 = 0.2312

- (1) - .5*mm_p11_adj + 1.5*mm_p13_adj - mm_p14_adj = 0
- (2) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p14_adj - mm_p15_adj = 0
- (3) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p15_adj - mm_p16_adj = 0
- (4) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p16_adj - mm_p17_adj = 0
- (5) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p17_adj - mm_p18_adj = 0
- (6) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p18_adj - mm_p19_adj = 0
- (7) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p19_adj - mm_p110_adj = 0

chi2(7) = 7.54
 Prob > chi2 = 0.3753

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_nounemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: ldwroll48, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_p11_adj	1045.23	0.0000	5647.25	0.0000	5539.61	
mm_p13_adj	836.58	0.0000	6376.32	0.0000	6254.78	
mm_p14_adj	857.14	0.0000	6970.23	0.0000	6837.37	
mm_p15_adj	798.56	0.0000	6557.89	0.0000	6432.89	
mm_p16_adj	904.12	0.0000	6681.56	0.0000	6554.21	
mm_p17_adj	798.99	0.0000	6692.31	0.0000	6564.75	
mm_p18_adj	851.20	0.0000	6814.72	0.0000	6684.83	
mm_p19_adj	810.46	0.0000	6020.38	0.0000	5905.63	
mm_p110_adj	766.33	0.0000	6338.28	0.0000	6217.47	

NB: first-stage test statistics cluster-robust

mm_pl7_adj		.0034044	.0015545	2.19	0.029	.0003576	.0064513
mm_pl8_adj		-.0007217	.0014084	-0.51	0.608	-.0034821	.0020386
mm_pl9_adj		-.0020674	.0014697	-1.41	0.160	-.004948	.0008132
mm_pl10_adj		-.0008413	.0022469	-0.37	0.708	-.0052451	.0035626
phase2_st		.0021179	.0044305	0.48	0.633	-.0065658	.0108016

Underidentification test (Kleibergen-Paap rk LM statistic): 19.624
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
(Kleibergen-Paap rk Wald F statistic): 618.268
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl11_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl11_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl11_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

ldwroll48		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		-.0027167	.0012853	-2.11	0.035	-.0052359 -.0001975

(1) mm_pl11_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0027167

ldwroll48		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		3.21e-17	.0012853	0.00	1.000	-.0025192 .0025192

- (1) mm_pl11_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0

(5) mm_pl6_adj = 0
 (6) mm_pl7_adj = 0
 (7) mm_pl8_adj = 0
 (8) mm_pl9_adj = 0
 (9) mm_pl10_adj = 0

chi2(9) = 35.09
 Prob > chi2 = 0.0001

(1) mm_pl11_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 4.47
 Prob > chi2 = 0.0346

(1) - .5*mm_pl11_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
 (2) - .5*mm_pl11_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
 (3) - .5*mm_pl11_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
 (4) - .5*mm_pl11_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
 (5) - .5*mm_pl11_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
 (6) - .5*mm_pl11_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
 (7) - .5*mm_pl11_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 13.18
 Prob > chi2 = 0.0678

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_nounemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: eperoll12, unemployment: nounemp

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl11_adj	1045.23	0.0000	5647.25	0.0000	5539.61	
mm_pl3_adj	836.58	0.0000	6376.32	0.0000	6254.78	
mm_pl4_adj	857.14	0.0000	6970.23	0.0000	6837.37	
mm_pl5_adj	798.56	0.0000	6557.89	0.0000	6432.89	
mm_pl6_adj	904.12	0.0000	6681.56	0.0000	6554.21	
mm_pl7_adj	798.99	0.0000	6692.31	0.0000	6564.75	
mm_pl8_adj	851.20	0.0000	6814.72	0.0000	6684.83	
mm_pl9_adj	810.46	0.0000	6020.38	0.0000	5905.63	
mm_pl10_adj	766.33	0.0000	6338.28	0.0000	6217.47	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

```
-----
Instrumented:      mm_p11_adj mm_p13_adj mm_p14_adj mm_p15_adj mm_p16_adj
                  mm_p17_adj mm_p18_adj mm_p19_adj mm_p110_adj
Included instruments: phase2_st
Excluded instruments: imm_p11_adj imm_p13_adj imm_p14_adj imm_p15_adj
                    imm_p16_adj imm_p17_adj imm_p18_adj imm_p19_adj
                    imm_p110_adj
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY pial pia_miss ime1 ime_miss _cons
                  nb: small-sample adjustments account for
                      partialled-out variables
-----
```

(1) - mm_p11_adj - mm_p13_adj - mm_p14_adj - mm_p15_adj - mm_p16_adj - mm_p17_adj - mm_p18_adj - mm_p19_adj - mm_p110_adj = 0

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0008351	.0009226	0.91	0.365	-.0009732 .0026434

(1) mm_p11_adj + mm_p13_adj + mm_p14_adj + mm_p15_adj + mm_p16_adj + mm_p17_adj + mm_p18_adj + mm_p19_adj + mm_p110_adj = -.0008351

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-1.18e-17	.0009226	-0.00	1.000	-.0018083 .0018083

- (1) mm_p11_adj = 0
- (2) mm_p13_adj = 0
- (3) mm_p14_adj = 0
- (4) mm_p15_adj = 0
- (5) mm_p16_adj = 0
- (6) mm_p17_adj = 0
- (7) mm_p18_adj = 0
- (8) mm_p19_adj = 0
- (9) mm_p110_adj = 0

chi2(9) = 10.68
 Prob > chi2 = 0.2986

(1) mm_p11_adj + mm_p13_adj + mm_p14_adj + mm_p15_adj + mm_p16_adj + mm_p17_adj + mm_p18_adj + mm_p19_adj + mm_p110_adj = 0

chi2(1) = 0.82

Prob > chi2 = 0.3654

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
- (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 8.09

Prob > chi2 = 0.3248

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_nounemp.xls

dir : seeout

phase 2 and Phase 3 dependent variable: eperoll24, unemployment: nounemp

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl1_adj	1045.23	0.0000	5647.25	0.0000	5539.61	
mm_pl3_adj	836.58	0.0000	6376.32	0.0000	6254.78	
mm_pl4_adj	857.14	0.0000	6970.23	0.0000	6837.37	
mm_pl5_adj	798.56	0.0000	6557.89	0.0000	6432.89	
mm_pl6_adj	904.12	0.0000	6681.56	0.0000	6554.21	
mm_pl7_adj	798.99	0.0000	6692.31	0.0000	6564.75	
mm_pl8_adj	851.20	0.0000	6814.72	0.0000	6684.83	
mm_pl9_adj	810.46	0.0000	6020.38	0.0000	5905.63	
mm_pl10_adj	766.33	0.0000	6338.28	0.0000	6217.47	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=19.62 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 618.27

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 2.33 P-val=0.0271


```

tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss imel ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

```

```

-----
( 1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

```

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0004153	.0012356	0.34	0.737	-.0020065 .002837

```

( 1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0004153

```

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-3.66e-17	.0012356	-0.00	1.000	-.0024217 .0024217

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

```

chi2( 9) = 21.53
Prob > chi2 = 0.0105

```

```

( 1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

```

```

chi2( 1) = 0.11
Prob > chi2 = 0.7368

```

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
- (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

```

chi2( 7) = 16.28
Prob > chi2 = 0.0227

```

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_nounemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: eperoll36, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl1_adj	1045.23	0.0000	5647.25	0.0000	5539.61	
mm_pl3_adj	836.58	0.0000	6376.32	0.0000	6254.78	
mm_pl4_adj	857.14	0.0000	6970.23	0.0000	6837.37	
mm_pl5_adj	798.56	0.0000	6557.89	0.0000	6432.89	
mm_pl6_adj	904.12	0.0000	6681.56	0.0000	6554.21	
mm_pl7_adj	798.99	0.0000	6692.31	0.0000	6564.75	
mm_pl8_adj	851.20	0.0000	6814.72	0.0000	6684.83	
mm_pl9_adj	810.46	0.0000	6020.38	0.0000	5905.63	
mm_pl10_adj	766.33	0.0000	6338.28	0.0000	6217.47	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=19.62 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 618.27

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 3.94 P-val=0.0007

Anderson-Rubin Wald test Chi-sq(9)= 36.19 P-val=0.0000

Stock-Wright LM S statistic Chi-sq(9)= 16.28 P-val=0.0613

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	191818
Number of regressors	K =	10
Number of endogenous regressors	K1 =	9
Number of instruments	L =	10
Number of excluded instruments	L1 =	9

partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

eperoll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0003855	.0013764	-0.28	0.779	-.0030831 .0023121

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0003855

eperoll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-3.47e-18	.0013764	-0.00	1.000	-.0026976 .0026976

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 36.08
Prob > chi2 = 0.0000

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 0.08
Prob > chi2 = 0.7794

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
- (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 27.45
Prob > chi2 = 0.0003

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_nounemp.xls
dir : seeout

phase 2 and Phase 3 dependent variable: eperoll48, unemployment: nounemp

Summary results for first-stage regressions

(Underid) (Weak id)

Variable	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)
mm_pl1_adj	1045.23	0.0000	5647.25	0.0000	5539.61
mm_pl3_adj	836.58	0.0000	6376.32	0.0000	6254.78
mm_pl4_adj	857.14	0.0000	6970.23	0.0000	6837.37
mm_pl5_adj	798.56	0.0000	6557.89	0.0000	6432.89
mm_pl6_adj	904.12	0.0000	6681.56	0.0000	6554.21
mm_pl7_adj	798.99	0.0000	6692.31	0.0000	6564.75
mm_pl8_adj	851.20	0.0000	6814.72	0.0000	6684.83
mm_pl9_adj	810.46	0.0000	6020.38	0.0000	5905.63
mm_pl10_adj	766.33	0.0000	6338.28	0.0000	6217.47

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=19.62 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 618.27

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 2.06 P-val=0.0504

Anderson-Rubin Wald test Chi-sq(9)= 18.88 P-val=0.0262

Stock-Wright LM S statistic Chi-sq(9)= 11.02 P-val=0.2743

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54

Number of observations N = 191818

Number of regressors K = 10

Number of endogenous regressors K1 = 9

Number of instruments L = 10

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 97

NB: K & L do not include partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 191818

F(10, 53) = 2.16

Prob > F = 0.0354

Total (centered) SS = 12683.08881

Centered R2 = 0.0001

Total (uncentered) SS = 12683.08881 Uncentered R2 = 0.0001
 Residual SS = 12682.17952 Root MSE = .2571

eperoll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_pl1_adj	-.0001877	.0016414	-0.11	0.909	-.0034047	.0030293
mm_pl3_adj	.0038472	.0023146	1.66	0.096	-.0006892	.0083837
mm_pl4_adj	-.0002709	.0019975	-0.14	0.892	-.004186	.0036442
mm_pl5_adj	-.0012585	.0019203	-0.66	0.512	-.0050221	.0025052
mm_pl6_adj	.0019056	.0020967	0.91	0.363	-.0022038	.006015
mm_pl7_adj	.0007419	.0013754	0.54	0.590	-.0019538	.0034376
mm_pl8_adj	-.0006886	.0015924	-0.43	0.665	-.0038096	.0024325
mm_pl9_adj	-.003049	.0014602	-2.09	0.037	-.005911	-.0001871
mm_pl10_adj	.000459	.0020006	0.23	0.819	-.003462	.0043801
phase2_st	-.0060225	.0046615	-1.29	0.196	-.0151588	.0031138

Underidentification test (Kleibergen-Paap rk LM statistic): 19.624
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
 (Kleibergen-Paap rk Wald F statistic): 618.268

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
 mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
 Included instruments: phase2_st
 Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
 imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
 imm_pl10_adj
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pia1 pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
 - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

eperoll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0014992	.0015909	-0.94	0.346	-.0046172	.0016189

(1) mm_p11_adj + mm_p13_adj + mm_p14_adj + mm_p15_adj + mm_p16_adj + mm_p17_adj + mm_p18_adj + mm_p19_adj + mm_p110_adj = .0014992

eperoll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	6.72e-18	.0015909	0.00	1.000	-.003118 .003118

- (1) mm_p11_adj = 0
- (2) mm_p13_adj = 0
- (3) mm_p14_adj = 0
- (4) mm_p15_adj = 0
- (5) mm_p16_adj = 0
- (6) mm_p17_adj = 0
- (7) mm_p18_adj = 0
- (8) mm_p19_adj = 0
- (9) mm_p110_adj = 0

chi2(9) = 18.93
 Prob > chi2 = 0.0258

(1) mm_p11_adj + mm_p13_adj + mm_p14_adj + mm_p15_adj + mm_p16_adj + mm_p17_adj + mm_p18_adj + mm_p19_adj + mm_p110_adj = 0

chi2(1) = 0.89
 Prob > chi2 = 0.3460

- (1) - .5*mm_p11_adj + 1.5*mm_p13_adj - mm_p14_adj = 0
- (2) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p14_adj - mm_p15_adj = 0
- (3) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p15_adj - mm_p16_adj = 0
- (4) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p16_adj - mm_p17_adj = 0
- (5) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p17_adj - mm_p18_adj = 0
- (6) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p18_adj - mm_p19_adj = 0
- (7) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p19_adj - mm_p110_adj = 0

chi2(7) = 13.05
 Prob > chi2 = 0.0708

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_nounemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: twproll12, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_p11_adj	1045.23	0.0000	5647.25	0.0000	5539.61	
mm_p13_adj	836.58	0.0000	6376.32	0.0000	6254.78	
mm_p14_adj	857.14	0.0000	6970.23	0.0000	6837.37	
mm_p15_adj	798.56	0.0000	6557.89	0.0000	6432.89	
mm_p16_adj	904.12	0.0000	6681.56	0.0000	6554.21	
mm_p17_adj	798.99	0.0000	6692.31	0.0000	6564.75	
mm_p18_adj	851.20	0.0000	6814.72	0.0000	6684.83	
mm_p19_adj	810.46	0.0000	6020.38	0.0000	5905.63	
mm_p110_adj	766.33	0.0000	6338.28	0.0000	6217.47	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=19.62 P-val=0.0000

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 1.5e+05
 Kleibergen-Paap Wald rk F statistic 618.27

Stock-Yogo weak ID test critical values for K1=9 and L1=9: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,53)= 0.21 P-val=0.9924
 Anderson-Rubin Wald test Chi-sq(9)= 1.89 P-val=0.9931
 Stock-Wright LM S statistic Chi-sq(9)= 1.66 P-val=0.9957

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	191818
Number of regressors	K =	10
Number of endogenous regressors	K1 =	9
Number of instruments	L =	10
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	191818
		F(10, 53) =	0.21
		Prob > F =	0.9944
Total (centered) SS =	6152.136296	Centered R2 =	0.0000
Total (uncentered) SS =	6152.136296	Uncentered R2 =	0.0000
Residual SS =	6151.974702	Root MSE =	.1791

twproll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	

mm_pl1_adj	.0009488	.0012079	0.79	0.432	-.0014186	.0033162
mm_pl3_adj	-.0003553	.0009621	-0.37	0.712	-.002241	.0015304
mm_pl4_adj	-.0004602	.0012875	-0.36	0.721	-.0029838	.0020633
mm_pl5_adj	-.0002009	.0008897	-0.23	0.821	-.0019446	.0015429
mm_pl6_adj	.0002207	.0015985	0.14	0.890	-.0029123	.0033537

mm_pl7_adj		.0014697	.001447	1.02	0.310	-.0013663	.0043058
mm_pl8_adj		-.0003538	.0015259	-0.23	0.817	-.0033446	.0026369
mm_pl9_adj		-.0002953	.0011264	-0.26	0.793	-.0025029	.0019123
mm_pl10_adj		-.0002062	.0012332	-0.17	0.867	-.0026231	.0022107
phase2_st		-.001344	.0032992	-0.41	0.684	-.0078103	.0051222

Underidentification test (Kleibergen-Paap rk LM statistic): 19.624
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
(Kleibergen-Paap rk Wald F statistic): 618.268
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl11_adj mm_pl13_adj mm_pl14_adj mm_pl15_adj mm_pl16_adj
mm_pl17_adj mm_pl18_adj mm_pl19_adj mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl11_adj imm_pl13_adj imm_pl14_adj imm_pl15_adj
imm_pl16_adj imm_pl17_adj imm_pl18_adj imm_pl19_adj
imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl11_adj - mm_pl13_adj - mm_pl14_adj - mm_pl15_adj - mm_pl16_adj - mm_pl17_adj
- mm_pl18_adj - mm_pl19_adj - mm_pl10_adj = 0

twproll12		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		-.0007675	.0013588	-0.56	0.572	-.0034308 .0018958

(1) mm_pl11_adj + mm_pl13_adj + mm_pl14_adj + mm_pl15_adj + mm_pl16_adj + mm_pl17_adj +
mm_pl18_adj + mm_pl19_adj + mm_pl10_adj = .0007675

twproll12		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		3.08e-17	.0013588	0.00	1.000	-.0026633 .0026633

- (1) mm_pl11_adj = 0
- (2) mm_pl13_adj = 0
- (3) mm_pl14_adj = 0
- (4) mm_pl15_adj = 0

(5) mm_pl6_adj = 0
 (6) mm_pl7_adj = 0
 (7) mm_pl8_adj = 0
 (8) mm_pl9_adj = 0
 (9) mm_pl10_adj = 0

chi2(9) = 1.89
 Prob > chi2 = 0.9931

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 0.32
 Prob > chi2 = 0.5722

(1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
 (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
 (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
 (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
 (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
 (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
 (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 1.52
 Prob > chi2 = 0.9816

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_nounemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: twproll24, unemployment: nounemp

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl1_adj	1045.23	0.0000	5647.25	0.0000	5539.61	
mm_pl3_adj	836.58	0.0000	6376.32	0.0000	6254.78	
mm_pl4_adj	857.14	0.0000	6970.23	0.0000	6837.37	
mm_pl5_adj	798.56	0.0000	6557.89	0.0000	6432.89	
mm_pl6_adj	904.12	0.0000	6681.56	0.0000	6554.21	
mm_pl7_adj	798.99	0.0000	6692.31	0.0000	6564.75	
mm_pl8_adj	851.20	0.0000	6814.72	0.0000	6684.83	
mm_pl9_adj	810.46	0.0000	6020.38	0.0000	5905.63	
mm_pl10_adj	766.33	0.0000	6338.28	0.0000	6217.47	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

```
-----
Instrumented:      mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
                  mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
                    imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
                    imm_pl10_adj
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY pial pia_miss ime1 ime_miss _cons
                  nb: small-sample adjustments account for
                      partialled-out variables
-----
```

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

twproll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0018753	.001725	-1.09	0.277	-.0052563 .0015056

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0018753

twproll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-4.92e-17	.001725	-0.00	1.000	-.0033809 .0033809

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 7.28
Prob > chi2 = 0.6081

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 1.18

Prob > chi2 = 0.2770

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
- (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 6.27

Prob > chi2 = 0.5081

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_nounemp.xls

dir : seeout

phase 2 and Phase 3 dependent variable: twproll36, unemployment: nounemp

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl1_adj	1045.23	0.0000	5647.25	0.0000	5539.61	
mm_pl3_adj	836.58	0.0000	6376.32	0.0000	6254.78	
mm_pl4_adj	857.14	0.0000	6970.23	0.0000	6837.37	
mm_pl5_adj	798.56	0.0000	6557.89	0.0000	6432.89	
mm_pl6_adj	904.12	0.0000	6681.56	0.0000	6554.21	
mm_pl7_adj	798.99	0.0000	6692.31	0.0000	6564.75	
mm_pl8_adj	851.20	0.0000	6814.72	0.0000	6684.83	
mm_pl9_adj	810.46	0.0000	6020.38	0.0000	5905.63	
mm_pl10_adj	766.33	0.0000	6338.28	0.0000	6217.47	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=19.62 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 618.27

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 1.51 P-val=0.1686


```

tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss imel ime_miss_cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
( 1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

```

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0017516	.0016097	-1.09	0.277	-.0049066 .0014035

```

( 1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0017516

```

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-2.39e-18	.0016097	-0.00	1.000	-.0031551 .0031551

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

```

chi2( 9) = 13.52
Prob > chi2 = 0.1404

```

```

( 1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

```

```

chi2( 1) = 1.18
Prob > chi2 = 0.2766

```

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
- (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

```

chi2( 7) = 5.85
Prob > chi2 = 0.5572

```

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_nounemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: twproll48, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl1_adj	1045.23	0.0000	5647.25	0.0000	5539.61	
mm_pl3_adj	836.58	0.0000	6376.32	0.0000	6254.78	
mm_pl4_adj	857.14	0.0000	6970.23	0.0000	6837.37	
mm_pl5_adj	798.56	0.0000	6557.89	0.0000	6432.89	
mm_pl6_adj	904.12	0.0000	6681.56	0.0000	6554.21	
mm_pl7_adj	798.99	0.0000	6692.31	0.0000	6564.75	
mm_pl8_adj	851.20	0.0000	6814.72	0.0000	6684.83	
mm_pl9_adj	810.46	0.0000	6020.38	0.0000	5905.63	
mm_pl10_adj	766.33	0.0000	6338.28	0.0000	6217.47	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=19.62 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 618.27

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 0.76 P-val=0.6549

Anderson-Rubin Wald test Chi-sq(9)= 6.95 P-val=0.6419

Stock-Wright LM S statistic Chi-sq(9)= 5.39 P-val=0.7990

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	191818
Number of regressors	K =	10
Number of endogenous regressors	K1 =	9
Number of instruments	L =	10
Number of excluded instruments	L1 =	9

partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0015892	.0015765	-1.01	0.313	-.0046791	.0015008

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0015892

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	9.97e-18	.0015765	0.00	1.000	-.00309	.00309

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 6.87
Prob > chi2 = 0.6502

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 1.02
Prob > chi2 = 0.3135

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
- (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 3.53
Prob > chi2 = 0.8315

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_nounemp.xls
dir : seeout

phase 2 and Phase 3 dependent variable: srvroll12, unemployment: nounemp

Summary results for first-stage regressions

(Underid) (Weak id)

Variable	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)
mm_pl1_adj	1045.23	0.0000	5647.25	0.0000	5539.61
mm_pl3_adj	836.58	0.0000	6376.32	0.0000	6254.78
mm_pl4_adj	857.14	0.0000	6970.23	0.0000	6837.37
mm_pl5_adj	798.56	0.0000	6557.89	0.0000	6432.89
mm_pl6_adj	904.12	0.0000	6681.56	0.0000	6554.21
mm_pl7_adj	798.99	0.0000	6692.31	0.0000	6564.75
mm_pl8_adj	851.20	0.0000	6814.72	0.0000	6684.83
mm_pl9_adj	810.46	0.0000	6020.38	0.0000	5905.63
mm_pl10_adj	766.33	0.0000	6338.28	0.0000	6217.47

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=19.62 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 618.27

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 6.57 P-val=0.0000

Anderson-Rubin Wald test Chi-sq(9)= 60.27 P-val=0.0000

Stock-Wright LM S statistic Chi-sq(9)= 15.78 P-val=0.0716

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54

Number of observations N = 191818

Number of regressors K = 10

Number of endogenous regressors K1 = 9

Number of instruments L = 10

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 97

NB: K & L do not include partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 191818

F(10, 53) = 6.37

Prob > F = 0.0000

Total (centered) SS = 3437.21631

Centered R2 = 0.0006

Total (uncentered) SS = 3437.21631 Uncentered R2 = 0.0006
 Residual SS = 3435.127886 Root MSE = .1338

srvroll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_pl1_adj	.0038977	.0007314	5.33	0.000	.0024642	.0053312
mm_pl3_adj	.0024178	.0010515	2.30	0.021	.0003569	.0044787
mm_pl4_adj	.0020635	.0006723	3.07	0.002	.0007459	.0033812
mm_pl5_adj	.0009847	.0009761	1.01	0.313	-.0009284	.0028978
mm_pl6_adj	.0000323	.0008782	0.04	0.971	-.0016889	.0017535
mm_pl7_adj	-.0003355	.000664	-0.51	0.613	-.0016369	.0009659
mm_pl8_adj	-.0012422	.0010656	-1.17	0.244	-.0033308	.0008464
mm_pl9_adj	-.0022084	.0010018	-2.20	0.027	-.0041718	-.000245
mm_pl10_adj	-.0028848	.0009126	-3.16	0.002	-.0046735	-.0010961
phase2_st	-.0014573	.0021408	-0.68	0.496	-.0056531	.0027385

Underidentification test (Kleibergen-Paap rk LM statistic): 19.624
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
 (Kleibergen-Paap rk Wald F statistic): 618.268

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
 mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
 Included instruments: phase2_st
 Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
 imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
 imm_pl10_adj
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pia1 pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
 - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0027251	.0009821	-2.77	0.006	-.00465	-.0008003

(1) mm_p11_adj + mm_p13_adj + mm_p14_adj + mm_p15_adj + mm_p16_adj + mm_p17_adj + mm_p18_adj + mm_p19_adj + mm_p110_adj = .0027251

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	3.25e-17	.0009821	0.00	1.000	-.0019248 .0019248

- (1) mm_p11_adj = 0
- (2) mm_p13_adj = 0
- (3) mm_p14_adj = 0
- (4) mm_p15_adj = 0
- (5) mm_p16_adj = 0
- (6) mm_p17_adj = 0
- (7) mm_p18_adj = 0
- (8) mm_p19_adj = 0
- (9) mm_p110_adj = 0

chi2(9) = 61.86
 Prob > chi2 = 0.0000

(1) mm_p11_adj + mm_p13_adj + mm_p14_adj + mm_p15_adj + mm_p16_adj + mm_p17_adj + mm_p18_adj + mm_p19_adj + mm_p110_adj = 0

chi2(1) = 7.70
 Prob > chi2 = 0.0055

- (1) - .5*mm_p11_adj + 1.5*mm_p13_adj - mm_p14_adj = 0
- (2) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p14_adj - mm_p15_adj = 0
- (3) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p15_adj - mm_p16_adj = 0
- (4) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p16_adj - mm_p17_adj = 0
- (5) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p17_adj - mm_p18_adj = 0
- (6) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p18_adj - mm_p19_adj = 0
- (7) - .5*mm_p11_adj + .5*mm_p13_adj + mm_p19_adj - mm_p110_adj = 0

chi2(7) = 0.64
 Prob > chi2 = 0.9988

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_nounemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: srvroll24, unemployment: nounemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)	
	F(9, 53)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 53)
mm_p11_adj	1045.23	0.0000		5647.25	0.0000		5539.61
mm_p13_adj	836.58	0.0000		6376.32	0.0000		6254.78
mm_p14_adj	857.14	0.0000		6970.23	0.0000		6837.37
mm_p15_adj	798.56	0.0000		6557.89	0.0000		6432.89
mm_p16_adj	904.12	0.0000		6681.56	0.0000		6554.21
mm_p17_adj	798.99	0.0000		6692.31	0.0000		6564.75
mm_p18_adj	851.20	0.0000		6814.72	0.0000		6684.83
mm_p19_adj	810.46	0.0000		6020.38	0.0000		5905.63
mm_p110_adj	766.33	0.0000		6338.28	0.0000		6217.47

NB: first-stage test statistics cluster-robust

mm_pl7_adj	-.0011307	.0008463	-1.34	0.182	-.0027894	.0005281
mm_pl8_adj	-.0010087	.0012971	-0.78	0.437	-.0035509	.0015336
mm_pl9_adj	-.0013048	.001183	-1.10	0.270	-.0036234	.0010138
mm_pl10_adj	-.000689	.0011263	-0.61	0.541	-.0028964	.0015184
phase2_st	-.0086433	.002784	-3.10	0.002	-.0140999	-.0031867

Underidentification test (Kleibergen-Paap rk LM statistic): 19.624
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
(Kleibergen-Paap rk Wald F statistic): 618.268
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

srvroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0008222	.0011443	-0.72	0.472	-.0030649 .0014206

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0008222

srvroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	4.73e-17	.0011443	0.00	1.000	-.0022427 .0022427

(1) mm_pl1_adj = 0
(2) mm_pl3_adj = 0
(3) mm_pl4_adj = 0
(4) mm_pl5_adj = 0

(5) mm_pl6_adj = 0
 (6) mm_pl7_adj = 0
 (7) mm_pl8_adj = 0
 (8) mm_pl9_adj = 0
 (9) mm_pl10_adj = 0

chi2(9) = 20.31
 Prob > chi2 = 0.0161

(1) mm_pl11_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 0.52
 Prob > chi2 = 0.4724

(1) - .5*mm_pl11_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
 (2) - .5*mm_pl11_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
 (3) - .5*mm_pl11_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
 (4) - .5*mm_pl11_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
 (5) - .5*mm_pl11_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
 (6) - .5*mm_pl11_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
 (7) - .5*mm_pl11_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 6.33
 Prob > chi2 = 0.5016

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_nounemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: srvroll36, unemployment: nounemp

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl11_adj	1045.23	0.0000	5647.25	0.0000	5539.61	
mm_pl3_adj	836.58	0.0000	6376.32	0.0000	6254.78	
mm_pl4_adj	857.14	0.0000	6970.23	0.0000	6837.37	
mm_pl5_adj	798.56	0.0000	6557.89	0.0000	6432.89	
mm_pl6_adj	904.12	0.0000	6681.56	0.0000	6554.21	
mm_pl7_adj	798.99	0.0000	6692.31	0.0000	6564.75	
mm_pl8_adj	851.20	0.0000	6814.72	0.0000	6684.83	
mm_pl9_adj	810.46	0.0000	6020.38	0.0000	5905.63	
mm_pl10_adj	766.33	0.0000	6338.28	0.0000	6217.47	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=19.62 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 618.27

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 1.21 P-val=0.3059

Anderson-Rubin Wald test Chi-sq(9)= 11.15 P-val=0.2658

Stock-Wright LM S statistic Chi-sq(9)= 7.09 P-val=0.6275

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54

Number of observations N = 191818

Number of regressors K = 10

Number of endogenous regressors K1 = 9

Number of instruments L = 10

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 191818

F(10, 53) = 6.21

Prob > F = 0.0000

Centered R2 = 0.0003

Uncentered R2 = 0.0003

Total (centered) SS = 4350.874139

Total (uncentered) SS = 4350.874139

Residual SS = 4349.567338

Root MSE = .1506

srvroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_pl1_adj	.0020627	.0008745	2.36	0.018	.0003488	.0037766
mm_pl3_adj	.0018404	.0010061	1.83	0.067	-.0001315	.0038123
mm_pl4_adj	-.0012679	.0008816	-1.44	0.150	-.0029958	.0004599
mm_pl5_adj	-.0011722	.0009465	-1.24	0.216	-.0030273	.0006829
mm_pl6_adj	-.0004123	.0012654	-0.33	0.745	-.0028925	.0020679
mm_pl7_adj	-.0002775	.001013	-0.27	0.784	-.0022629	.0017078
mm_pl8_adj	-.000589	.001524	-0.39	0.699	-.003576	.002398
mm_pl9_adj	-.0005014	.0011531	-0.43	0.664	-.0027614	.0017586
mm_pl10_adj	.0004006	.0009184	0.44	0.663	-.0013994	.0022006
phase2_st	-.0149795	.0029107	-5.15	0.000	-.0206844	-.0092747

Underidentification test (Kleibergen-Paap rk LM statistic): 19.624
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
(Kleibergen-Paap rk Wald F statistic): 618.268

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

```
-----
Instrumented:      mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
                  mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
                     imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
                     imm_pl10_adj
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY pial pia_miss ime1 ime_miss _cons
                  nb: small-sample adjustments account for
                     partialled-out variables
-----
```

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

srvroll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0000834	.001172	-0.07	0.943	-.0023804 .0022136

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0000834

srvroll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	1.90e-19	.001172	0.00	1.000	-.002297 .002297

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 11.21
Prob > chi2 = 0.2614

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 0.01

Prob > chi2 = 0.9433

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
- (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 9.79

Prob > chi2 = 0.2007

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_nounemp.xls

dir : seeout

phase 2 and Phase 3 dependent variable: srvroll48, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl1_adj	1045.23	0.0000	5647.25	0.0000	5539.61	
mm_pl3_adj	836.58	0.0000	6376.32	0.0000	6254.78	
mm_pl4_adj	857.14	0.0000	6970.23	0.0000	6837.37	
mm_pl5_adj	798.56	0.0000	6557.89	0.0000	6432.89	
mm_pl6_adj	904.12	0.0000	6681.56	0.0000	6554.21	
mm_pl7_adj	798.99	0.0000	6692.31	0.0000	6564.75	
mm_pl8_adj	851.20	0.0000	6814.72	0.0000	6684.83	
mm_pl9_adj	810.46	0.0000	6020.38	0.0000	5905.63	
mm_pl10_adj	766.33	0.0000	6338.28	0.0000	6217.47	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=19.62 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 618.27

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 1.39 P-val=0.2144


```

tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss imel ime_miss_cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
( 1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

```

srvroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0001193	.0011746	0.10	0.919	-.0021829 .0024216

```

( 1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0001193

```

srvroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	2.44e-18	.0011746	0.00	1.000	-.0023022 .0023022

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

```

chi2( 9) = 12.64
Prob > chi2 = 0.1795

```

```

( 1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

```

```

chi2( 1) = 0.01
Prob > chi2 = 0.9191

```

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
- (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

```

chi2( 7) = 9.87
Prob > chi2 = 0.1963

```


N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_nounemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: nstw12, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl1_adj	1045.23	0.0000	5647.25	0.0000	5539.61	
mm_pl3_adj	836.58	0.0000	6376.32	0.0000	6254.78	
mm_pl4_adj	857.14	0.0000	6970.23	0.0000	6837.37	
mm_pl5_adj	798.56	0.0000	6557.89	0.0000	6432.89	
mm_pl6_adj	904.12	0.0000	6681.56	0.0000	6554.21	
mm_pl7_adj	798.99	0.0000	6692.31	0.0000	6564.75	
mm_pl8_adj	851.20	0.0000	6814.72	0.0000	6684.83	
mm_pl9_adj	810.46	0.0000	6020.38	0.0000	5905.63	
mm_pl10_adj	766.33	0.0000	6338.28	0.0000	6217.47	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=19.62 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 618.27

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 2.79 P-val=0.0093

Anderson-Rubin Wald test Chi-sq(9)= 25.63 P-val=0.0023

Stock-Wright LM S statistic Chi-sq(9)= 9.47 P-val=0.3947

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	191818
Number of regressors	K =	10
Number of endogenous regressors	K1 =	9
Number of instruments	L =	10
Number of excluded instruments	L1 =	9

partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

nstw12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0014817	.0062182	-0.24	0.812	-.0136691	.0107058

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0014817

nstw12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	1.08e-18	.0062182	0.00	1.000	-.0121874	.0121874

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 26.53
Prob > chi2 = 0.0017

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 0.06
Prob > chi2 = 0.8117

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
- (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 22.56
Prob > chi2 = 0.0020

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_nounemp.xls
dir : seeout

phase 2 and Phase 3 dependent variable: nstw24, unemployment: nounemp

Summary results for first-stage regressions

(Underid) (Weak id)

Variable	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)
mm_pl1_adj	1045.23	0.0000	5647.25	0.0000	5539.61
mm_pl3_adj	836.58	0.0000	6376.32	0.0000	6254.78
mm_pl4_adj	857.14	0.0000	6970.23	0.0000	6837.37
mm_pl5_adj	798.56	0.0000	6557.89	0.0000	6432.89
mm_pl6_adj	904.12	0.0000	6681.56	0.0000	6554.21
mm_pl7_adj	798.99	0.0000	6692.31	0.0000	6564.75
mm_pl8_adj	851.20	0.0000	6814.72	0.0000	6684.83
mm_pl9_adj	810.46	0.0000	6020.38	0.0000	5905.63
mm_pl10_adj	766.33	0.0000	6338.28	0.0000	6217.47

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=19.62 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 618.27

Stock-Yogo weak ID test critical values for K1=9 and L1=9:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 2.09 P-val=0.0471

Anderson-Rubin Wald test Chi-sq(9)= 19.16 P-val=0.0238

Stock-Wright LM S statistic Chi-sq(9)= 9.74 P-val=0.3716

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54

Number of observations N = 191818

Number of regressors K = 10

Number of endogenous regressors K1 = 9

Number of instruments L = 10

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 97

NB: K & L do not include partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 191818

F(10, 53) = 11.00

Prob > F = 0.0000

Total (centered) SS = 1155479.594

Centered R2 = 0.0003

Total (uncentered) SS = 1155479.594 Uncentered R2 = 0.0003
 Residual SS = 1155093.733 Root MSE = 2.454

nstw24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_pl1_adj	-.0311227	.0167455	-1.86	0.063	-.0639432	.0016979
mm_pl3_adj	.0321445	.0146529	2.19	0.028	.0034254	.0608636
mm_pl4_adj	-.0073275	.0140712	-0.52	0.603	-.0349066	.0202517
mm_pl5_adj	-.0101308	.018589	-0.54	0.586	-.0465646	.026303
mm_pl6_adj	-.009219	.017264	-0.53	0.593	-.0430558	.0246178
mm_pl7_adj	-.0166568	.0179915	-0.93	0.355	-.0519195	.0186059
mm_pl8_adj	.0314755	.0195904	1.61	0.108	-.0069208	.0698719
mm_pl9_adj	.0022396	.0147897	0.15	0.880	-.0267476	.0312268
mm_pl10_adj	.0072239	.016853	0.43	0.668	-.0258075	.0402552
phase2_st	.2825079	.034987	8.07	0.000	.2139347	.3510812

Underidentification test (Kleibergen-Paap rk LM statistic): 19.624
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
 (Kleibergen-Paap rk Wald F statistic): 618.268

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
 mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
 Included instruments: phase2_st
 Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
 imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
 imm_pl10_adj
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pia1 pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
 - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0013732	.0154312	0.09	0.929	-.0288714	.0316178

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0013732

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-9.76e-18	.0154312	-0.00	1.000	-.0302446 .0302446

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 19.51
 Prob > chi2 = 0.0212

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 0.01
 Prob > chi2 = 0.9291

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
- (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 18.60
 Prob > chi2 = 0.0095

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_nounemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: nstw36, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl1_adj	1045.23	0.0000	5647.25	0.0000	5539.61	
mm_pl3_adj	836.58	0.0000	6376.32	0.0000	6254.78	
mm_pl4_adj	857.14	0.0000	6970.23	0.0000	6837.37	
mm_pl5_adj	798.56	0.0000	6557.89	0.0000	6432.89	
mm_pl6_adj	904.12	0.0000	6681.56	0.0000	6554.21	
mm_pl7_adj	798.99	0.0000	6692.31	0.0000	6564.75	
mm_pl8_adj	851.20	0.0000	6814.72	0.0000	6684.83	
mm_pl9_adj	810.46	0.0000	6020.38	0.0000	5905.63	
mm_pl10_adj	766.33	0.0000	6338.28	0.0000	6217.47	

NB: first-stage test statistics cluster-robust

mm_pl7_adj	-.0034237	.0285682	-0.12	0.905	-.0594164	.052569
mm_pl8_adj	.0417401	.0313942	1.33	0.184	-.0197913	.1032716
mm_pl9_adj	-.0119434	.0195691	-0.61	0.542	-.0502981	.0264114
mm_pl10_adj	-.0014451	.0314868	-0.05	0.963	-.063158	.0602678
phase2_st	.4154772	.0539512	7.70	0.000	.3097347	.5212196

Underidentification test (Kleibergen-Paap rk LM statistic): 19.624
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
(Kleibergen-Paap rk Wald F statistic): 618.268
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0031687	.0244984	-0.13	0.897	-.0511847 .0448473

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0031687

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	1.34e-17	.0244984	0.00	1.000	-.048016 .048016

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0

(5) mm_pl6_adj = 0
 (6) mm_pl7_adj = 0
 (7) mm_pl8_adj = 0
 (8) mm_pl9_adj = 0
 (9) mm_pl10_adj = 0

chi2(9) = 12.09
 Prob > chi2 = 0.2081

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 0.02
 Prob > chi2 = 0.8971

(1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
 (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
 (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
 (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
 (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
 (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
 (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 11.61
 Prob > chi2 = 0.1143

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_nounemp.xls
 dir : seeout

phase 2 and Phase 3 dependent variable: nstw48, unemployment: nounemp

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl1_adj	1045.23	0.0000	5647.25	0.0000	5539.61	
mm_pl3_adj	836.58	0.0000	6376.32	0.0000	6254.78	
mm_pl4_adj	857.14	0.0000	6970.23	0.0000	6837.37	
mm_pl5_adj	798.56	0.0000	6557.89	0.0000	6432.89	
mm_pl6_adj	904.12	0.0000	6681.56	0.0000	6554.21	
mm_pl7_adj	798.99	0.0000	6692.31	0.0000	6564.75	
mm_pl8_adj	851.20	0.0000	6814.72	0.0000	6684.83	
mm_pl9_adj	810.46	0.0000	6020.38	0.0000	5905.63	
mm_pl10_adj	766.33	0.0000	6338.28	0.0000	6217.47	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

```
-----
Instrumented:      mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
                  mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
                    imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
                    imm_pl10_adj
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY pial pia_miss ime1 ime_miss _cons
                  nb: small-sample adjustments account for
                      partialled-out variables
-----
```

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

	nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		.0050033	.034299	0.15	0.884	-.0622214 .0722281

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0050033

	nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		2.26e-17	.034299	0.00	1.000	-.0672248 .0672248

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 10.84
Prob > chi2 = 0.2871

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = 0

chi2(1) = 0.02

Prob > chi2 = 0.8840

- (1) - .5*mm_pl1_adj + 1.5*mm_pl3_adj - mm_pl4_adj = 0
- (2) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl4_adj - mm_pl5_adj = 0
- (3) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl5_adj - mm_pl6_adj = 0
- (4) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl6_adj - mm_pl7_adj = 0
- (5) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl7_adj - mm_pl8_adj = 0
- (6) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl8_adj - mm_pl9_adj = 0
- (7) - .5*mm_pl1_adj + .5*mm_pl3_adj + mm_pl9_adj - mm_pl10_adj = 0

chi2(7) = 10.74

Prob > chi2 = 0.1505

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_nounemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: ldwroll12, unemployment:
 nounemp

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(18, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl1_adj	821.45	0.0000	2614.45	0.0000	2564.49	
mm_pl3_adj	422.44	0.0000	2859.27	0.0000	2804.63	
mm_pl4_adj	414.98	0.0000	3098.59	0.0000	3039.38	
mm_pl5_adj	427.04	0.0000	2967.94	0.0000	2911.24	
mm_pl6_adj	442.51	0.0000	3194.72	0.0000	3133.68	
mm_pl7_adj	396.17	0.0000	2956.70	0.0000	2900.20	
mm_pl8_adj	497.05	0.0000	3172.57	0.0000	3111.95	
mm_pl9_adj	468.69	0.0000	2991.68	0.0000	2934.52	
mm_pl10_adj	426.12	0.0000	2985.16	0.0000	2928.12	
int_mm_pl1_a	558.78	0.0000	4443.89	0.0000	4358.98	
int_mm_pl3_a	516.31	0.0000	4142.85	0.0000	4063.69	
int_mm_pl4_a	527.59	0.0000	4440.51	0.0000	4355.67	
int_mm_pl5_a	568.90	0.0000	4027.09	0.0000	3950.14	
int_mm_pl6_a	435.59	0.0000	4246.10	0.0000	4164.97	
int_mm_pl7_a	441.93	0.0000	4347.43	0.0000	4264.37	
int_mm_pl8_a	465.99	0.0000	3680.35	0.0000	3610.03	
int_mm_pl9_a	395.04	0.0000	3588.19	0.0000	3519.64	
int_mm_pl10_a	357.23	0.0000	3907.52	0.0000	3832.86	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	21.34
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=17.84 P-val=0.0000

Weak identification test

Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 5.6e+04
(Kleibergen-Paap rk Wald F statistic): 292.900
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

ldwroll12 | Coef. Std. Err. z P>|z| [95% Conf. Interval]
-----+-----
(1) | .0008056 .0009544 0.84 0.399 -.001065 .0026762

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0008056

ldwroll12 | Coef. Std. Err. z P>|z| [95% Conf. Interval]
-----+-----
(1) | 4.59e-17 .0009544 0.00 1.000 -.0018706 .0018706

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
0

ldwroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0024691	.0019972	-1.24	0.216	-.0063835	.0014453

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj + int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj = .0024691

ldwroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	3.73e-17	.0019972	0.00	1.000	-.0039144	.0039144

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 42.10
 Prob > chi2 = 0.0000

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 10.75
 Prob > chi2 = 0.2934

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_interaction_nounemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: ldwroll24, unemployment:
 nounemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)	
	F(18, 53)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 53)
mm_pl1_adj	821.45	0.0000	2614.45	0.0000	2564.49		
mm_pl3_adj	422.44	0.0000	2859.27	0.0000	2804.63		
mm_pl4_adj	414.98	0.0000	3098.59	0.0000	3039.38		
mm_pl5_adj	427.04	0.0000	2967.94	0.0000	2911.24		
mm_pl6_adj	442.51	0.0000	3194.72	0.0000	3133.68		
mm_pl7_adj	396.17	0.0000	2956.70	0.0000	2900.20		
mm_pl8_adj	497.05	0.0000	3172.57	0.0000	3111.95		
mm_pl9_adj	468.69	0.0000	2991.68	0.0000	2934.52		

Total (uncentered) SS = 5839.607672 Uncentered R2 = 0.0001
 Residual SS = 5838.778497 Root MSE = .1745

ldwroll124	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_pl1_adj	-.0020653	.0010315	-2.00	0.045	-.004087	-.0000435
mm_pl3_adj	.002514	.0014854	1.69	0.091	-.0003974	.0054254
mm_pl4_adj	.0006014	.0009667	0.62	0.534	-.0012933	.0024961
mm_pl5_adj	.0003619	.00163	0.22	0.824	-.0028329	.0035568
mm_pl6_adj	-.000795	.0018772	-0.42	0.672	-.0044741	.0028842
mm_pl7_adj	.0018953	.0015059	1.26	0.208	-.0010562	.0048467
mm_pl8_adj	.0013894	.0011926	1.16	0.244	-.0009481	.0037269
mm_pl9_adj	-.0031921	.001334	-2.39	0.017	-.0058068	-.0005775
mm_pl10_adj	.0002735	.0016525	0.17	0.869	-.0029653	.0035122
int_mm_pl1_adj	.002833	.0018273	1.55	0.121	-.0007485	.0064145
int_mm_pl3_adj	-.0022614	.0023018	-0.98	0.326	-.0067728	.00225
int_mm_pl4_adj	.0019791	.0016808	1.18	0.239	-.0013153	.0052735
int_mm_pl5_adj	-.0012157	.0026447	-0.46	0.646	-.0063992	.0039677
int_mm_pl6_adj	.0009354	.0027001	0.35	0.729	-.0043567	.0062276
int_mm_pl7_adj	-.000931	.0020882	-0.45	0.656	-.0050238	.0031618
int_mm_pl8_adj	-.0001099	.0020943	-0.05	0.958	-.0042146	.0039948
int_mm_pl9_adj	.0031951	.0020183	1.58	0.113	-.0007608	.007151
int_mm_pl10_adj	-.0027361	.0025031	-1.09	0.274	-.007642	.0021698
phase2_st	.0064182	.0033127	1.94	0.053	-.0000747	.012911

Underidentification test (Kleibergen-Paap rk LM statistic): 17.840
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 5.6e+04
 (Kleibergen-Paap rk Wald F statistic): 292.900
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
 mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
 int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
 int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
 int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj

Included instruments: phase2_st
 Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
 imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
 imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
 int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
 int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
 int_imm_pl10_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV

st_WY pial pia_miss ime1 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
 - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0009831	.000917	-1.07	0.284	-.0027803	.0008141

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
 mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0009831

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	4.66e-17	.000917	0.00	1.000	-.0017972	.0017972

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
 int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
 0

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0016884	.0019724	-0.86	0.392	-.0055542	.0021774

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
 int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
 .0016884

ldwroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-3.34e-17	.0019724	-0.00	1.000	-.0038658	.0038658

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 19.77
 Prob > chi2 = 0.0194

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0

(8) int_mm_pl9_adj = 0
 (9) int_mm_pl10_adj = 0

chi2(9) = 11.70
 Prob > chi2 = 0.2309

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_interaction_nounemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: ldwroll36, unemployment:
 nounemp

Summary results for first-stage regressions

Variable	F(18, 53)		(Underid)		(Weak id)	
	P-val	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	P-val
mm_pl1_adj	821.45	0.0000	2614.45	0.0000	2564.49	
mm_pl3_adj	422.44	0.0000	2859.27	0.0000	2804.63	
mm_pl4_adj	414.98	0.0000	3098.59	0.0000	3039.38	
mm_pl5_adj	427.04	0.0000	2967.94	0.0000	2911.24	
mm_pl6_adj	442.51	0.0000	3194.72	0.0000	3133.68	
mm_pl7_adj	396.17	0.0000	2956.70	0.0000	2900.20	
mm_pl8_adj	497.05	0.0000	3172.57	0.0000	3111.95	
mm_pl9_adj	468.69	0.0000	2991.68	0.0000	2934.52	
mm_pl10_adj	426.12	0.0000	2985.16	0.0000	2928.12	
int_mm_pl1_a	558.78	0.0000	4443.89	0.0000	4358.98	
int_mm_pl3_a	516.31	0.0000	4142.85	0.0000	4063.69	
int_mm_pl4_a	527.59	0.0000	4440.51	0.0000	4355.67	
int_mm_pl5_a	568.90	0.0000	4027.09	0.0000	3950.14	
int_mm_pl6_a	435.59	0.0000	4246.10	0.0000	4164.97	
int_mm_pl7_a	441.93	0.0000	4347.43	0.0000	4264.37	
int_mm_pl8_a	465.99	0.0000	3680.35	0.0000	3610.03	
int_mm_pl9_a	395.04	0.0000	3588.19	0.0000	3519.64	
int_mm_pl10_a	357.23	0.0000	3907.52	0.0000	3832.86	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 21.34
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=17.84 P-val=0.0000

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 55922.77
 Kleibergen-Paap Wald rk F statistic 292.90

Stock-Yogo weak ID test critical values for K1=18 and L1=18:
 <not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(18,53)= 2.33 P-val=0.0090
 Anderson-Rubin Wald test Chi-sq(18)= 42.69 P-val=0.0009
 Stock-Wright LM S statistic Chi-sq(18)= 17.33 P-val=0.5007

NB: Underidentification, weak identification and weak-identification-robust
 test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 191818
 Number of regressors K = 19
 Number of endogenous regressors K1 = 18
 Number of instruments L = 19
 Number of excluded instruments L1 = 18
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 191818
 F(19, 53) = 2.64
 Prob > F = 0.0029
 Total (centered) SS = 8291.902397 Centered R2 = 0.0001
 Total (uncentered) SS = 8291.902397 Uncentered R2 = 0.0001
 Residual SS = 8290.767665 Root MSE = .2079

ldwroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_pl1_adj	-.0017756	.0014861	-1.19	0.232	-.0046884	.0011372
mm_pl3_adj	.0042713	.0024952	1.71	0.087	-.0006193	.0091618
mm_pl4_adj	-.0005368	.0016882	-0.32	0.751	-.0038457	.0027721
mm_pl5_adj	-.0007482	.0016551	-0.45	0.651	-.0039921	.0024956
mm_pl6_adj	-.0002184	.0023889	-0.09	0.927	-.0049005	.0044637
mm_pl7_adj	.002924	.0019401	1.51	0.132	-.0008785	.0067266
mm_pl8_adj	.0010491	.0014039	0.75	0.455	-.0017026	.0038008
mm_pl9_adj	-.0038192	.0015792	-2.42	0.016	-.0069145	-.0007239
mm_pl10_adj	-.000719	.0022525	-0.32	0.750	-.0051338	.0036958
int_mm_pl1_adj	.00239	.0022798	1.05	0.294	-.0020783	.0068583
int_mm_pl3_adj	-.0061905	.0032509	-1.90	0.057	-.0125623	.0001812
int_mm_pl4_adj	.0031959	.0024895	1.28	0.199	-.0016834	.0080753
int_mm_pl5_adj	.0004839	.0025725	0.19	0.851	-.0045581	.0055258
int_mm_pl6_adj	.0018632	.003343	0.56	0.577	-.0046889	.0084153
int_mm_pl7_adj	-.0014778	.0029263	-0.51	0.614	-.0072133	.0042576
int_mm_pl8_adj	-.0014232	.0024437	-0.58	0.560	-.0062127	.0033663
int_mm_pl9_adj	.0054627	.0022687	2.41	0.016	.0010162	.0099093
int_mm_pl10_adj	-.0015738	.0034354	-0.46	0.647	-.008307	.0051595
phase2_st	.0056762	.0042047	1.35	0.177	-.0025648	.0139173

Underidentification test (Kleibergen-Paap rk LM statistic): 17.840
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 5.6e+04
 (Kleibergen-Paap rk Wald F statistic): 292.900
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000

(equation exactly identified)

```

-----
Instrumented:      mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
                  mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
                  int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
                  int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
                  int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
                      imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
                      imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
                      int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
                      int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
                      int_imm_pl10_adj
Partialled-out:    male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY pia1 pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
    partialled-out variables
-----

```

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

ldwroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0004272	.0016204	-0.26	0.792	-.0036031 .0027487

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0004272

ldwroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-3.50e-17	.0016204	-0.00	1.000	-.0031759 .0031759

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj - int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj = 0

ldwroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0027303	.0023179	-1.18	0.239	-.0072733 .0018127

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
.0027303

ldwroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-4.47e-17	.0023179	-0.00	1.000	-.004543 .004543

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 21.96
Prob > chi2 = 0.0090

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 10.98
Prob > chi2 = 0.2768

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_interaction_nounemp.xls
dir : seeout

2 and phase 3 with interactions dependent variable: ldwroll48, unemployment:
nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(18, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl1_adj	821.45	0.0000	2614.45	0.0000	2564.49	
mm_pl3_adj	422.44	0.0000	2859.27	0.0000	2804.63	
mm_pl4_adj	414.98	0.0000	3098.59	0.0000	3039.38	
mm_pl5_adj	427.04	0.0000	2967.94	0.0000	2911.24	
mm_pl6_adj	442.51	0.0000	3194.72	0.0000	3133.68	
mm_pl7_adj	396.17	0.0000	2956.70	0.0000	2900.20	
mm_pl8_adj	497.05	0.0000	3172.57	0.0000	3111.95	
mm_pl9_adj	468.69	0.0000	2991.68	0.0000	2934.52	
mm_pl10_adj	426.12	0.0000	2985.16	0.0000	2928.12	
int_mm_pl1_a	558.78	0.0000	4443.89	0.0000	4358.98	
int_mm_pl3_a	516.31	0.0000	4142.85	0.0000	4063.69	
int_mm_pl4_a	527.59	0.0000	4440.51	0.0000	4355.67	
int_mm_pl5_a	568.90	0.0000	4027.09	0.0000	3950.14	

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
mm_pl1_adj	-.0016343	.001259	-1.30	0.194	-.0041018	.0008333
mm_pl3_adj	.0030791	.0030339	1.01	0.310	-.0028673	.0090255
mm_pl4_adj	-.0001545	.0021057	-0.07	0.942	-.0042816	.0039726
mm_pl5_adj	-.0007362	.002159	-0.34	0.733	-.0049677	.0034953
mm_pl6_adj	-.0005112	.0030499	-0.17	0.867	-.0064888	.0054665
mm_pl7_adj	.0056028	.0018989	2.95	0.003	.001881	.0093245
mm_pl8_adj	.0003705	.0014181	0.26	0.794	-.0024088	.0031499
mm_pl9_adj	-.0047635	.0018897	-2.52	0.012	-.0084672	-.0010598
mm_pl10_adj	.0003827	.0027837	0.14	0.891	-.0050734	.0058387
int_mm_pl1_adj	.0030236	.0026153	1.16	0.248	-.0021022	.0081494
int_mm_pl3_adj	-.0034959	.0039139	-0.89	0.372	-.0111671	.0041753
int_mm_pl4_adj	.0028906	.0029257	0.99	0.323	-.0028436	.0086248
int_mm_pl5_adj	.0006025	.0034481	0.17	0.861	-.0061556	.0073607
int_mm_pl6_adj	.0041761	.0038404	1.09	0.277	-.0033509	.0117032
int_mm_pl7_adj	-.0054176	.0034559	-1.57	0.117	-.012191	.0013558
int_mm_pl8_adj	-.0027246	.0028812	-0.95	0.344	-.0083717	.0029225
int_mm_pl9_adj	.0066085	.0025984	2.54	0.011	.0015157	.0117012
int_mm_pl10_adj	-.0030079	.0043482	-0.69	0.489	-.0115302	.0055144
phase2_st	.0007076	.0044615	0.16	0.874	-.0080367	.0094519

Underidentification test (Kleibergen-Paap rk LM statistic): 17.840
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 5.6e+04
(Kleibergen-Paap rk Wald F statistic): 292.900

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj

Included instruments: phase2_st

Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0016354	.0015551	-1.05	0.293	-.0046834 .0014125

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0016354

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	2.60e-18	.0015551	0.00	1.000	-.003048 .003048

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj - int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj = 0

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0026553	.0024275	-1.09	0.274	-.0074132 .0021025

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj + int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj = .0026553

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	3.04e-18	.0024275	0.00	1.000	-.0047578 .0047578

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 32.27
 Prob > chi2 = 0.0002

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 11.94
 Prob > chi2 = 0.2166


```

int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

```

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0007717	.0011001	0.70	0.483	-.0013844 .0029278

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0007717

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-5.42e-19	.0011001	-0.00	1.000	-.0021561 .0021561

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj - int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj = 0

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0001545	.0020724	0.07	0.941	-.0039072 .0042163

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj + int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj = -.0001545

eperoll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)					

(1) | -1.21e-17 .0020724 -0.00 1.000 -.0040618 .0040618

- (1) mm_p11_adj = 0
- (2) mm_p13_adj = 0
- (3) mm_p14_adj = 0
- (4) mm_p15_adj = 0
- (5) mm_p16_adj = 0
- (6) mm_p17_adj = 0
- (7) mm_p18_adj = 0
- (8) mm_p19_adj = 0
- (9) mm_p110_adj = 0

chi2(9) = 9.13
 Prob > chi2 = 0.4251

- (1) int_mm_p11_adj = 0
- (2) int_mm_p13_adj = 0
- (3) int_mm_p14_adj = 0
- (4) int_mm_p15_adj = 0
- (5) int_mm_p16_adj = 0
- (6) int_mm_p17_adj = 0
- (7) int_mm_p18_adj = 0
- (8) int_mm_p19_adj = 0
- (9) int_mm_p110_adj = 0

chi2(9) = 5.84
 Prob > chi2 = 0.7563

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_interaction_nounemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: eperoll24, unemployment:
 nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(18, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_p11_adj	821.45	0.0000	2614.45	0.0000	2564.49	
mm_p13_adj	422.44	0.0000	2859.27	0.0000	2804.63	
mm_p14_adj	414.98	0.0000	3098.59	0.0000	3039.38	
mm_p15_adj	427.04	0.0000	2967.94	0.0000	2911.24	
mm_p16_adj	442.51	0.0000	3194.72	0.0000	3133.68	
mm_p17_adj	396.17	0.0000	2956.70	0.0000	2900.20	
mm_p18_adj	497.05	0.0000	3172.57	0.0000	3111.95	
mm_p19_adj	468.69	0.0000	2991.68	0.0000	2934.52	
mm_p110_adj	426.12	0.0000	2985.16	0.0000	2928.12	
int_mm_p11_a	558.78	0.0000	4443.89	0.0000	4358.98	
int_mm_p13_a	516.31	0.0000	4142.85	0.0000	4063.69	
int_mm_p14_a	527.59	0.0000	4440.51	0.0000	4355.67	
int_mm_p15_a	568.90	0.0000	4027.09	0.0000	3950.14	
int_mm_p16_a	435.59	0.0000	4246.10	0.0000	4164.97	
int_mm_p17_a	441.93	0.0000	4347.43	0.0000	4264.37	
int_mm_p18_a	465.99	0.0000	3680.35	0.0000	3610.03	
int_mm_p19_a	395.04	0.0000	3588.19	0.0000	3519.64	
int_mm_p110_a	357.23	0.0000	3907.52	0.0000	3832.86	

NB: first-stage test statistics cluster-robust

mm_pl7_adj	.0001826	.0018794	0.10	0.923	-.003501	.0038661
mm_pl8_adj	-.0010462	.0016776	-0.62	0.533	-.0043343	.0022419
mm_pl9_adj	-.0024681	.0017211	-1.43	0.152	-.0058415	.0009052
mm_pl10_adj	-.0009966	.001886	-0.53	0.597	-.0046931	.0026999
int_mm_pl1_adj	.0027428	.002831	0.97	0.333	-.0028058	.0082914
int_mm_pl3_adj	-.0030153	.0029504	-1.02	0.307	-.0087981	.0027675
int_mm_pl4_adj	-.0015773	.0027642	-0.57	0.568	-.0069951	.0038405
int_mm_pl5_adj	-.0052362	.0026635	-1.97	0.049	-.0104565	-.0000159
int_mm_pl6_adj	.0046501	.0026058	1.78	0.074	-.0004572	.0097574
int_mm_pl7_adj	-.00266	.0024857	-1.07	0.285	-.007532	.0022119
int_mm_pl8_adj	.0023648	.0025724	0.92	0.358	-.0026769	.0074065
int_mm_pl9_adj	-.0000701	.0020933	-0.03	0.973	-.0041728	.0040326
int_mm_pl10_adj	.0017585	.0023219	0.76	0.449	-.0027923	.0063093
phase2_st	.0037153	.0037976	0.98	0.328	-.003728	.0111585

Underidentification test (Kleibergen-Paap rk LM statistic): 17.840
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 5.6e+04
(Kleibergen-Paap rk Wald F statistic): 292.900

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl11_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
int_mm_pl11_adj int_mm_pl3_adj int_mm_pl4_adj
int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj

Included instruments: phase2_st

Excluded instruments: imm_pl11_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl11_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl11_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0000152	.0017577	-0.01	0.993	-.0034603 .0034299

 (1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0000152

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-4.76e-17	.0017577	-0.00	1.000	-.0034451	.0034451

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj - int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj = 0

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0010428	.0025096	0.42	0.678	-.003876	.0059616

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj + int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj = -.0010428

eperoll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-1.21e-17	.0025096	-0.00	1.000	-.0049188	.0049188

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 24.04
 Prob > chi2 = 0.0042

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 19.70
 Prob > chi2 = 0.0198

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_interaction_nounemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: eperoll36, unemployment:
nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(18, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl1_adj	821.45	0.0000	2614.45	0.0000	2564.49	
mm_pl3_adj	422.44	0.0000	2859.27	0.0000	2804.63	
mm_pl4_adj	414.98	0.0000	3098.59	0.0000	3039.38	
mm_pl5_adj	427.04	0.0000	2967.94	0.0000	2911.24	
mm_pl6_adj	442.51	0.0000	3194.72	0.0000	3133.68	
mm_pl7_adj	396.17	0.0000	2956.70	0.0000	2900.20	
mm_pl8_adj	497.05	0.0000	3172.57	0.0000	3111.95	
mm_pl9_adj	468.69	0.0000	2991.68	0.0000	2934.52	
mm_pl10_adj	426.12	0.0000	2985.16	0.0000	2928.12	
int_mm_pl1_a	558.78	0.0000	4443.89	0.0000	4358.98	
int_mm_pl3_a	516.31	0.0000	4142.85	0.0000	4063.69	
int_mm_pl4_a	527.59	0.0000	4440.51	0.0000	4355.67	
int_mm_pl5_a	568.90	0.0000	4027.09	0.0000	3950.14	
int_mm_pl6_a	435.59	0.0000	4246.10	0.0000	4164.97	
int_mm_pl7_a	441.93	0.0000	4347.43	0.0000	4264.37	
int_mm_pl8_a	465.99	0.0000	3680.35	0.0000	3610.03	
int_mm_pl9_a	395.04	0.0000	3588.19	0.0000	3519.64	
int_mm_pl10_a	357.23	0.0000	3907.52	0.0000	3832.86	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	21.34
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=17.84 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 55922.77

Kleibergen-Paap Wald rk F statistic 292.90

Stock-Yogo weak ID test critical values for K1=18 and L1=18:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(18,53)= 3.85 P-val=0.0001

Anderson-Rubin Wald test Chi-sq(18)= 70.71 P-val=0.0000

Stock-Wright LM S statistic Chi-sq(18)= 20.14 P-val=0.3251

NB: Underidentification, weak identification and weak-identification-robust
test statistics cluster-robust

Number of clusters N_clust = 54

Number of observations N = 191818

```

Number of regressors           K =          19
Number of endogenous regressors K1 =         18
Number of instruments          L =          19
Number of excluded instruments L1 =         18
Number of partialled-out regressors/IVs =     97
NB: K & L do not included partialled-out variables

```

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) =      54           Number of obs =   191818
                                                F( 19,    53) =     3.68
                                                Prob > F      =   0.0001
Total (centered) SS      =  10660.33494           Centered R2     =   0.0001
Total (uncentered) SS   =  10660.33494           Uncentered R2   =   0.0001
Residual SS              =  10658.98568           Root MSE        =   .2357

```

eperoll136	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_p11_adj	-.0010901	.0016617	-0.66	0.512	-.004347	.0021668
mm_p13_adj	.0041548	.0028745	1.45	0.148	-.0014791	.0097887
mm_p14_adj	.0004854	.002045	0.24	0.812	-.0035226	.0044935
mm_p15_adj	.0010222	.0021274	0.48	0.631	-.0031474	.0051917
mm_p16_adj	.0001614	.0028395	0.06	0.955	-.0054039	.0057268
mm_p17_adj	.002157	.0015639	1.38	0.168	-.0009083	.0052222
mm_p18_adj	-.0009645	.0017624	-0.55	0.584	-.0044187	.0024897
mm_p19_adj	-.0050381	.0021048	-2.39	0.017	-.0091633	-.0009128
mm_p110_adj	5.22e-06	.0024094	0.00	0.998	-.0047171	.0047275
int_mm_p11_adj	.001704	.0030591	0.56	0.578	-.0042917	.0076997
int_mm_p13_adj	-.0024623	.0036728	-0.67	0.503	-.009661	.0047363
int_mm_p14_adj	-.0021027	.0032793	-0.64	0.521	-.0085301	.0043247
int_mm_p15_adj	-.0064481	.0030326	-2.13	0.033	-.0123919	-.0005044
int_mm_p16_adj	.0070789	.0034127	2.07	0.038	.0003902	.0137676
int_mm_p17_adj	-.0032549	.0028841	-1.13	0.259	-.0089076	.0023978
int_mm_p18_adj	.0012744	.0027922	0.46	0.648	-.0041983	.0067471
int_mm_p19_adj	.0017615	.0025267	0.70	0.486	-.0031907	.0067137
int_mm_p110_adj	.0012176	.003061	0.40	0.691	-.0047819	.0072172
phase2_st	-.0006837	.0037086	-0.18	0.854	-.0079524	.0065851

Underidentification test (Kleibergen-Paap rk LM statistic): 17.840
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 5.6e+04
(Kleibergen-Paap rk Wald F statistic): 292.900
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_p11_adj mm_p13_adj mm_p14_adj mm_p15_adj mm_p16_adj
mm_p17_adj mm_p18_adj mm_p19_adj mm_p110_adj
int_mm_p11_adj int_mm_p13_adj int_mm_p14_adj
int_mm_p15_adj int_mm_p16_adj int_mm_p17_adj
int_mm_p18_adj int_mm_p19_adj int_mm_p110_adj

Included instruments: phase2_st

Excluded instruments: imm_p11_adj imm_p13_adj imm_p14_adj imm_p15_adj
imm_p16_adj imm_p17_adj imm_p18_adj imm_p19_adj
imm_p110_adj int_imm_p11_adj int_imm_p13_adj

```

int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj
Partialled-out:
male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

```

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

eperoll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0008934	.0019975	-0.45	0.655	-.0048084 .0030217

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0008934

eperoll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	1.98e-17	.0019975	0.00	1.000	-.0039151 .0039151

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj - int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj = 0

eperoll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0012317	.0027782	0.44	0.658	-.0042135 .0066769

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj + int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj = -.0012317

eperoll136	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	1.04e-17	.0027782	0.00	1.000	-.0054452 .0054452

(1) mm_pl1_adj = 0
(2) mm_pl3_adj = 0
(3) mm_pl4_adj = 0

(4) mm_p15_adj = 0
 (5) mm_p16_adj = 0
 (6) mm_p17_adj = 0
 (7) mm_p18_adj = 0
 (8) mm_p19_adj = 0
 (9) mm_p110_adj = 0

chi2(9) = 40.54
 Prob > chi2 = 0.0000

(1) int_mm_p11_adj = 0
 (2) int_mm_p13_adj = 0
 (3) int_mm_p14_adj = 0
 (4) int_mm_p15_adj = 0
 (5) int_mm_p16_adj = 0
 (6) int_mm_p17_adj = 0
 (7) int_mm_p18_adj = 0
 (8) int_mm_p19_adj = 0
 (9) int_mm_p110_adj = 0

chi2(9) = 19.26
 Prob > chi2 = 0.0231

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_interaction_nounemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: eperoll48, unemployment:
 nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(18, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_p11_adj	821.45	0.0000	2614.45	0.0000	2564.49	
mm_p13_adj	422.44	0.0000	2859.27	0.0000	2804.63	
mm_p14_adj	414.98	0.0000	3098.59	0.0000	3039.38	
mm_p15_adj	427.04	0.0000	2967.94	0.0000	2911.24	
mm_p16_adj	442.51	0.0000	3194.72	0.0000	3133.68	
mm_p17_adj	396.17	0.0000	2956.70	0.0000	2900.20	
mm_p18_adj	497.05	0.0000	3172.57	0.0000	3111.95	
mm_p19_adj	468.69	0.0000	2991.68	0.0000	2934.52	
mm_p110_adj	426.12	0.0000	2985.16	0.0000	2928.12	
int_mm_p11_a	558.78	0.0000	4443.89	0.0000	4358.98	
int_mm_p13_a	516.31	0.0000	4142.85	0.0000	4063.69	
int_mm_p14_a	527.59	0.0000	4440.51	0.0000	4355.67	
int_mm_p15_a	568.90	0.0000	4027.09	0.0000	3950.14	
int_mm_p16_a	435.59	0.0000	4246.10	0.0000	4164.97	
int_mm_p17_a	441.93	0.0000	4347.43	0.0000	4264.37	
int_mm_p18_a	465.99	0.0000	3680.35	0.0000	3610.03	
int_mm_p19_a	395.04	0.0000	3588.19	0.0000	3519.64	
int_mm_p110_	357.23	0.0000	3907.52	0.0000	3832.86	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 21.34
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66

25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=17.84 P-val=0.0000

Weak identification test

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 55922.77
 Kleibergen-Paap Wald rk F statistic 292.90

Stock-Yogo weak ID test critical values for K1=18 and L1=18: <not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(18,53)= 2.41 P-val=0.0069
 Anderson-Rubin Wald test Chi-sq(18)= 44.19 P-val=0.0005
 Stock-Wright LM S statistic Chi-sq(18)= 15.56 P-val=0.6231

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 191818
 Number of regressors K = 19
 Number of endogenous regressors K1 = 18
 Number of instruments L = 19
 Number of excluded instruments L1 = 18
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

 Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 191818
 F(19, 53) = 2.44
 Prob > F = 0.0056
 Total (centered) SS = 12683.08881 Centered R2 = 0.0001
 Total (uncentered) SS = 12683.08881 Uncentered R2 = 0.0001
 Residual SS = 12681.74101 Root MSE = .2571

eperoll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mm_p11_adj	-.0001825	.0015997	-0.11	0.909	-.0033178 .0029529
mm_p13_adj	.0051708	.003486	1.48	0.138	-.0016616 .0120033
mm_p14_adj	.0006466	.0027029	0.24	0.811	-.004651 .0059443
mm_p15_adj	.0004992	.0027055	0.18	0.854	-.0048035 .0058018
mm_p16_adj	-.0014944	.0026955	-0.55	0.579	-.0067774 .0037887
mm_p17_adj	.0015477	.001784	0.87	0.386	-.0019489 .0050444
mm_p18_adj	-.000282	.0018845	-0.15	0.881	-.0039757 .0034116
mm_p19_adj	-.0038508	.0019844	-1.94	0.052	-.0077401 .0000386
mm_p110_adj	-.0001863	.0027521	-0.07	0.946	-.0055802 .0052077
int_mm_p11_adj	-.0000129	.0035545	-0.00	0.997	-.0069796 .0069539
int_mm_p13_adj	-.0032315	.0042794	-0.76	0.450	-.0116191 .005156

int_mm_pl4_adj	-.0022718	.0037574	-0.60	0.545	-.0096362	.0050925
int_mm_pl5_adj	-.0043363	.0032928	-1.32	0.188	-.0107902	.0021175
int_mm_pl6_adj	.0083912	.0033373	2.51	0.012	.0018503	.0149321
int_mm_pl7_adj	-.0019851	.0032191	-0.62	0.537	-.0082945	.0043243
int_mm_pl8_adj	-.0010081	.0028821	-0.35	0.727	-.006657	.0046407
int_mm_pl9_adj	.0019682	.0030233	0.65	0.515	-.0039574	.0078938
int_mm_pl10_adj	.0015914	.003851	0.41	0.679	-.0059564	.0091392
phase2_st	-.0059968	.0043948	-1.36	0.172	-.0146106	.0026169

Underidentification test (Kleibergen-Paap rk LM statistic): 17.840
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 5.6e+04
(Kleibergen-Paap rk Wald F statistic): 292.900

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj

Included instruments: phase2_st

Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

eperoll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0018685	.0021761	-0.86	0.391	-.0061337 .0023967

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0018685

eperoll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	3.45e-17	.0021761	0.00	1.000	-.0042652	.0042652

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
0

eperoll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.000895	.0034835	0.26	0.797	-.0059325	.0077225

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
-.000895

eperoll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	2.41e-17	.0034835	0.00	1.000	-.0068275	.0068275

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 21.51
Prob > chi2 = 0.0106

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 12.87
Prob > chi2 = 0.1685

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_interaction_nounemp.xls
dir : seeout

2 and phase 3 with interactions dependent variable: twproll12, unemployment:
nounemp

Summary results for first-stage regressions

tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss imel ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
 - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

twproll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0001044	.0020827	-0.05	0.960	-.0041865	.0039776

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
 mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0001044

twproll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	4.52e-17	.0020827	0.00	1.000	-.004082	.004082

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
 int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
 0

twproll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0016323	.0027081	-0.60	0.547	-.0069401	.0036754

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
 int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
 .0016323

twproll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	1.50e-17	.0027081	0.00	1.000	-.0053078	.0053078

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 9.02
 Prob > chi2 = 0.4359

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 17.06
 Prob > chi2 = 0.0479

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_interaction_nounemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: twproll24, unemployment:
 nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(18, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl1_adj	821.45	0.0000	2614.45	0.0000	2564.49	
mm_pl3_adj	422.44	0.0000	2859.27	0.0000	2804.63	
mm_pl4_adj	414.98	0.0000	3098.59	0.0000	3039.38	
mm_pl5_adj	427.04	0.0000	2967.94	0.0000	2911.24	
mm_pl6_adj	442.51	0.0000	3194.72	0.0000	3133.68	
mm_pl7_adj	396.17	0.0000	2956.70	0.0000	2900.20	
mm_pl8_adj	497.05	0.0000	3172.57	0.0000	3111.95	
mm_pl9_adj	468.69	0.0000	2991.68	0.0000	2934.52	
mm_pl10_adj	426.12	0.0000	2985.16	0.0000	2928.12	
int_mm_pl1_a	558.78	0.0000	4443.89	0.0000	4358.98	
int_mm_pl3_a	516.31	0.0000	4142.85	0.0000	4063.69	
int_mm_pl4_a	527.59	0.0000	4440.51	0.0000	4355.67	
int_mm_pl5_a	568.90	0.0000	4027.09	0.0000	3950.14	
int_mm_pl6_a	435.59	0.0000	4246.10	0.0000	4164.97	
int_mm_pl7_a	441.93	0.0000	4347.43	0.0000	4264.37	
int_mm_pl8_a	465.99	0.0000	3680.35	0.0000	3610.03	
int_mm_pl9_a	395.04	0.0000	3588.19	0.0000	3519.64	
int_mm_pl10_a	357.23	0.0000	3907.52	0.0000	3832.86	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	21.34
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=17.84 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 55922.77

Kleibergen-Paap Wald rk F statistic 292.90

Stock-Yogo weak ID test critical values for K1=18 and L1=18:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(18,53)= 1.17 P-val=0.3164

Anderson-Rubin Wald test Chi-sq(18)= 21.51 P-val=0.2543

Stock-Wright LM S statistic Chi-sq(18)= 15.61 P-val=0.6199

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54

Number of observations N = 191818

Number of regressors K = 19

Number of endogenous regressors K1 = 18

Number of instruments L = 19

Number of excluded instruments L1 = 18

Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 191818

F(19, 53) = 1.42

Prob > F = 0.1577

Centered R2 = 0.0001

Uncentered R2 = 0.0001

Root MSE = .2335

Total (centered) SS = 10461.00264

Total (uncentered) SS = 10461.00264

Residual SS = 10459.98196

twproll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mm_pl1_adj	.0028442	.0015799	1.80	0.072	-.0002524 .0059408
mm_pl3_adj	.0016346	.0020859	0.78	0.433	-.0024536 .0057228
mm_pl4_adj	-.0026943	.0022518	-1.20	0.231	-.0071077 .0017191
mm_pl5_adj	-.0027436	.0017659	-1.55	0.120	-.0062047 .0007176
mm_pl6_adj	-.001566	.001941	-0.81	0.420	-.0053702 .0022382
mm_pl7_adj	.0041805	.0025789	1.62	0.105	-.000874 .009235
mm_pl8_adj	-.0007814	.0020421	-0.38	0.702	-.0047839 .0032211
mm_pl9_adj	.0000635	.0014258	0.04	0.964	-.002731 .0028579
mm_pl10_adj	.0002095	.0019892	0.11	0.916	-.0036892 .0041082
int_mm_pl1_adj	-.0007116	.0025772	-0.28	0.782	-.0057628 .0043396
int_mm_pl3_adj	-.0001048	.0024718	-0.04	0.966	-.0049494 .0047399
int_mm_pl4_adj	.0035965	.0033031	1.09	0.276	-.0028775 .0100705
int_mm_pl5_adj	.0007434	.0028294	0.26	0.793	-.0048022 .0062889
int_mm_pl6_adj	.0042546	.0037058	1.15	0.251	-.0030086 .0115177
int_mm_pl7_adj	-.0045738	.0035927	-1.27	0.203	-.0116153 .0024678
int_mm_pl8_adj	.0007172	.0037752	0.19	0.849	-.0066821 .0081166
int_mm_pl9_adj	-.00161	.0024091	-0.67	0.504	-.0063318 .0031117
int_mm_pl10_adj	-.0005193	.0031361	-0.17	0.868	-.0066659 .0056272

```

      phase2_st |  -.0081425   .0036368   -2.24   0.025   -.0152706   -.0010144
-----+-----
Underidentification test (Kleibergen-Paap rk LM statistic):          17.840
                                                    Chi-sq(1) P-val =    0.0000
-----+-----
Weak identification test (Cragg-Donald Wald F statistic):          5.6e+04
(Kleibergen-Paap rk Wald F statistic):          292.900
Stock-Yogo weak ID test critical values:          <not available>
-----+-----
Hansen J statistic (overidentification test of all instruments):    0.000
                                                    (equation exactly identified)
-----+-----
Instrumented:      mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
                  mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
                  int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
                  int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
                  int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
                    imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
                    imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
                    int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
                    int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
                    int_imm_pl10_adj
Partialled-out:    male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY pia1 pia_miss ime1 ime_miss _cons
                  nb: small-sample adjustments account for
                  partialled-out variables
-----+-----

```

```

( 1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0
-----+-----

```

twpro1124	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0011471	.0025379	-0.45	0.651	-.0061212 .0038271

```

( 1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0011471
-----+-----

```

twpro1124	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-3.90e-18	.0025379	-0.00	1.000	-.0049742 .0049742

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
0

twproll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0017922	.0033344	-0.54	0.591	-.0083276 .0047431

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
.0017922

twproll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-2.67e-17	.0033344	-0.00	1.000	-.0065353 .0065353

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 6.64
Prob > chi2 = 0.6743

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 6.37
Prob > chi2 = 0.7022

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_interaction_nounemp.xls
dir : seeout

2 and phase 3 with interactions dependent variable: twproll36, unemployment:
nounemp

Summary results for first-stage regressions

Variable	F(18, 53)	P-val	(Underid)		(Weak id)	
			AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl1_adj	821.45	0.0000	2614.45	0.0000	2564.49	
mm_pl3_adj	422.44	0.0000	2859.27	0.0000	2804.63	
mm_pl4_adj	414.98	0.0000	3098.59	0.0000	3039.38	

mm_pl5_adj	427.04	0.0000	2967.94	0.0000	2911.24
mm_pl6_adj	442.51	0.0000	3194.72	0.0000	3133.68
mm_pl7_adj	396.17	0.0000	2956.70	0.0000	2900.20
mm_pl8_adj	497.05	0.0000	3172.57	0.0000	3111.95
mm_pl9_adj	468.69	0.0000	2991.68	0.0000	2934.52
mm_pl10_adj	426.12	0.0000	2985.16	0.0000	2928.12
int_mm_pl11_a	558.78	0.0000	4443.89	0.0000	4358.98
int_mm_pl13_a	516.31	0.0000	4142.85	0.0000	4063.69
int_mm_pl14_a	527.59	0.0000	4440.51	0.0000	4355.67
int_mm_pl15_a	568.90	0.0000	4027.09	0.0000	3950.14
int_mm_pl16_a	435.59	0.0000	4246.10	0.0000	4164.97
int_mm_pl17_a	441.93	0.0000	4347.43	0.0000	4264.37
int_mm_pl18_a	465.99	0.0000	3680.35	0.0000	3610.03
int_mm_pl19_a	395.04	0.0000	3588.19	0.0000	3519.64
int_mm_pl110_	357.23	0.0000	3907.52	0.0000	3832.86

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	21.34
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=17.84 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 55922.77

Kleibergen-Paap Wald rk F statistic 292.90

Stock-Yogo weak ID test critical values for K1=18 and L1=18:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(18,53)= 1.25 P-val=0.2558

Anderson-Rubin Wald test Chi-sq(18)= 23.01 P-val=0.1901

Stock-Wright LM S statistic Chi-sq(18)= 13.11 P-val=0.7851

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54

Number of observations N = 191818

Number of regressors K = 19

Number of endogenous regressors K1 = 18

Number of instruments L = 19

Number of excluded instruments L1 = 18

Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54
 Total (centered) SS = 13336.54343
 Total (uncentered) SS = 13336.54343
 Residual SS = 13334.78351

Number of obs = 191818
 F(19, 53) = 1.44
 Prob > F = 0.1508
 Centered R2 = 0.0001
 Uncentered R2 = 0.0001
 Root MSE = .2637

twproll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mm_pl1_adj	.0030047	.0018217	1.65	0.099	-.0005657 .0065751
mm_pl3_adj	.0026029	.002309	1.13	0.260	-.0019226 .0071285
mm_pl4_adj	.0006278	.002214	0.28	0.777	-.0037115 .004967
mm_pl5_adj	-.0020028	.002407	-0.83	0.405	-.0067204 .0027148
mm_pl6_adj	-.0026377	.0022028	-1.20	0.231	-.006955 .0016797
mm_pl7_adj	.0031909	.0030709	1.04	0.299	-.0028279 .0092097
mm_pl8_adj	-.0015274	.0023143	-0.66	0.509	-.0060634 .0030086
mm_pl9_adj	-.0013025	.0019823	-0.66	0.511	-.0051877 .0025827
mm_pl10_adj	-.0006149	.0022693	-0.27	0.786	-.0050625 .0038328
int_mm_pl1_adj	-.0019516	.0032656	-0.60	0.550	-.008352 .0044488
int_mm_pl3_adj	-.0000346	.0029906	-0.01	0.991	-.0058961 .0058268
int_mm_pl4_adj	.0023873	.0030214	0.79	0.429	-.0035344 .008309
int_mm_pl5_adj	-.0005762	.0038381	-0.15	0.881	-.0080987 .0069462
int_mm_pl6_adj	.0042126	.0044585	0.94	0.345	-.0045259 .0129511
int_mm_pl7_adj	-.001661	.0042173	-0.39	0.694	-.0099268 .0066049
int_mm_pl8_adj	-.0012926	.0044191	-0.29	0.770	-.0099539 .0073687
int_mm_pl9_adj	.0005311	.0033493	0.16	0.874	-.0060334 .0070956
int_mm_pl10_adj	-.0006067	.0038421	-0.16	0.875	-.0081371 .0069237
phase2_st	-.0118914	.0049194	-2.42	0.016	-.0215332 -.0022497

Underidentification test (Kleibergen-Paap rk LM statistic): 17.840
 Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 5.6e+04
 (Kleibergen-Paap rk Wald F statistic): 292.900
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
 mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
 int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
 int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
 int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj
 Included instruments: phase2_st
 Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
 imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
 imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
 int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
 int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
 int_imm_pl10_adj
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO


```

st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
( 1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

```

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0013412	.0018393	-0.73	0.466	-.0049461 .0022638

```

( 1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0013412

```

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-5.20e-18	.0018393	-0.00	1.000	-.0036049 .0036049

```

( 1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
0

```

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0010082	.0033242	-0.30	0.762	-.0075236 .0055071

```

( 1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
.0010082

```

twproll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	1.08e-17	.0033242	0.00	1.000	-.0065154 .0065154

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

```

        chi2( 9) =      7.53
    Prob > chi2 =      0.5823

```

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0

```
( 3) int_mm_pl4_adj = 0
( 4) int_mm_pl5_adj = 0
( 5) int_mm_pl6_adj = 0
( 6) int_mm_pl7_adj = 0
( 7) int_mm_pl8_adj = 0
( 8) int_mm_pl9_adj = 0
( 9) int_mm_pl10_adj = 0
```

```
chi2( 9) = 4.52
Prob > chi2 = 0.8738
```

```
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_interaction_nounemp.xls
dir : seeout
```

2 and phase 3 with interactions dependent variable: twproll48, unemployment:
nounemp

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(18, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl1_adj	821.45	0.0000	2614.45	0.0000	2564.49	
mm_pl3_adj	422.44	0.0000	2859.27	0.0000	2804.63	
mm_pl4_adj	414.98	0.0000	3098.59	0.0000	3039.38	
mm_pl5_adj	427.04	0.0000	2967.94	0.0000	2911.24	
mm_pl6_adj	442.51	0.0000	3194.72	0.0000	3133.68	
mm_pl7_adj	396.17	0.0000	2956.70	0.0000	2900.20	
mm_pl8_adj	497.05	0.0000	3172.57	0.0000	3111.95	
mm_pl9_adj	468.69	0.0000	2991.68	0.0000	2934.52	
mm_pl10_adj	426.12	0.0000	2985.16	0.0000	2928.12	
int_mm_pl1_a	558.78	0.0000	4443.89	0.0000	4358.98	
int_mm_pl3_a	516.31	0.0000	4142.85	0.0000	4063.69	
int_mm_pl4_a	527.59	0.0000	4440.51	0.0000	4355.67	
int_mm_pl5_a	568.90	0.0000	4027.09	0.0000	3950.14	
int_mm_pl6_a	435.59	0.0000	4246.10	0.0000	4164.97	
int_mm_pl7_a	441.93	0.0000	4347.43	0.0000	4264.37	
int_mm_pl8_a	465.99	0.0000	3680.35	0.0000	3610.03	
int_mm_pl9_a	395.04	0.0000	3588.19	0.0000	3519.64	
int_mm_pl10_a	357.23	0.0000	3907.52	0.0000	3832.86	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	21.34
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=17.84 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 55922.77

Kleibergen-Paap Wald rk F statistic

292.90

Stock-Yogo weak ID test critical values for K1=18 and L1=18:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(18,53)= 1.26 P-val=0.2495

Anderson-Rubin Wald test Chi-sq(18)= 23.18 P-val=0.1836

Stock-Wright LM S statistic Chi-sq(18)= 12.74 P-val=0.8070

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54

Number of observations N = 191818

Number of regressors K = 19

Number of endogenous regressors K1 = 18

Number of instruments L = 19

Number of excluded instruments L1 = 18

Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54

Number of obs = 191818

F(19, 53) = 2.67

Prob > F = 0.0026

Total (centered) SS = 15052.29741

Centered R2 = 0.0002

Total (uncentered) SS = 15052.29741

Uncentered R2 = 0.0002

Residual SS = 15049.94168

Root MSE = .2801

twproll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mm_p11_adj	.0034098	.0022032	1.55	0.122	-.0009084 .0077281
mm_p13_adj	.0024225	.0024197	1.00	0.317	-.00232 .007165
mm_p14_adj	-.0009944	.0022336	-0.45	0.656	-.0053723 .0033834
mm_p15_adj	-.002532	.0030309	-0.84	0.403	-.0084723 .0034084
mm_p16_adj	-.003874	.0023254	-1.67	0.096	-.0084317 .0006836
mm_p17_adj	.0035343	.0033769	1.05	0.295	-.0030843 .0101529
mm_p18_adj	.0002497	.0023716	0.11	0.916	-.0043986 .004898
mm_p19_adj	-.0009583	.0018293	-0.52	0.600	-.0045436 .002627
mm_p110_adj	.0002686	.0023161	0.12	0.908	-.0042709 .0048081
int_mm_p11_adj	-.0035943	.0037171	-0.97	0.334	-.0108796 .003691
int_mm_p13_adj	-.0000281	.0031461	-0.01	0.993	-.0061943 .0061381
int_mm_p14_adj	.0057595	.0032467	1.77	0.076	-.0006039 .0121229
int_mm_p15_adj	.0014411	.0044717	0.32	0.747	-.0073234 .0102055
int_mm_p16_adj	.0050815	.0041678	1.22	0.223	-.0030872 .0132503
int_mm_p17_adj	-.0041344	.0043258	-0.96	0.339	-.0126128 .0043441
int_mm_p18_adj	-.0049982	.0043495	-1.15	0.250	-.0135231 .0035267
int_mm_p19_adj	.0002315	.0037262	0.06	0.950	-.0070717 .0075346
int_mm_p110_adj	.0003979	.0041352	0.10	0.923	-.0077069 .0085028
phase2_st	-.0157401	.0055195	-2.85	0.004	-.026558 -.0049221

Underidentification test (Kleibergen-Paap rk LM statistic): 17.840

Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 5.6e+04
 (Kleibergen-Paap rk Wald F statistic): 292.900
 Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
 (equation exactly identified)

 Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
 mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
 int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
 int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
 int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj
 Included instruments: phase2_st
 Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
 imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
 imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
 int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
 int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
 int_imm_pl10_adj
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

 (1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
 - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0015262	.0017685	-0.86	0.388	-.0049925 .0019401

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
 mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0015262

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-2.65e-17	.0017685	-0.00	1.000	-.0034663 .0034663

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
 int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
 0

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)					

(1) | -.0001564 .0034234 -0.05 0.964 -.0068662 .0065533

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
.0001564

twproll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	2.98e-17	.0034234	0.00	1.000	-.0067098 .0067098

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 7.14
Prob > chi2 = 0.6228

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 10.81
Prob > chi2 = 0.2892

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_interaction_nounemp.xls
dir : seeout

2 and phase 3 with interactions dependent variable: srvroll12, unemployment:
nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(18, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl1_adj	821.45	0.0000	2614.45	0.0000	2564.49	
mm_pl3_adj	422.44	0.0000	2859.27	0.0000	2804.63	
mm_pl4_adj	414.98	0.0000	3098.59	0.0000	3039.38	
mm_pl5_adj	427.04	0.0000	2967.94	0.0000	2911.24	
mm_pl6_adj	442.51	0.0000	3194.72	0.0000	3133.68	
mm_pl7_adj	396.17	0.0000	2956.70	0.0000	2900.20	
mm_pl8_adj	497.05	0.0000	3172.57	0.0000	3111.95	
mm_pl9_adj	468.69	0.0000	2991.68	0.0000	2934.52	
mm_pl10_adj	426.12	0.0000	2985.16	0.0000	2928.12	
int_mm_pl1_a	558.78	0.0000	4443.89	0.0000	4358.98	

int_mm_pl3_a	516.31	0.0000	4142.85	0.0000	4063.69
int_mm_pl4_a	527.59	0.0000	4440.51	0.0000	4355.67
int_mm_pl5_a	568.90	0.0000	4027.09	0.0000	3950.14
int_mm_pl6_a	435.59	0.0000	4246.10	0.0000	4164.97
int_mm_pl7_a	441.93	0.0000	4347.43	0.0000	4264.37
int_mm_pl8_a	465.99	0.0000	3680.35	0.0000	3610.03
int_mm_pl9_a	395.04	0.0000	3588.19	0.0000	3519.64
int_mm_pl10_a	357.23	0.0000	3907.52	0.0000	3832.86

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	21.34
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=17.84 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 55922.77

Kleibergen-Paap Wald rk F statistic 292.90

Stock-Yogo weak ID test critical values for K1=18 and L1=18:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(18,53)= 6.44 P-val=0.0000

Anderson-Rubin Wald test Chi-sq(18)= 118.17 P-val=0.0000

Stock-Wright LM S statistic Chi-sq(18)= 21.80 P-val=0.2409

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54

Number of observations N = 191818

Number of regressors K = 19

Number of endogenous regressors K1 = 18

Number of instruments L = 19

Number of excluded instruments L1 = 18

Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54

Number of obs = 191818

F(19, 53) = 6.38

Prob > F = 0.0000

Total (centered) SS = 3437.21631

Centered R2 = 0.0006

Total (uncentered) SS = 3437.21631

Uncentered R2 = 0.0006

Residual SS = 3435.09049

Root MSE = .1338

	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]		

mm_pl1_adj	.0042279	.0009322	4.54	0.000	.0024008	.006055	
mm_pl3_adj	.0016958	.0014973	1.13	0.257	-.0012388	.0046304	
mm_pl4_adj	.0016507	.0006266	2.63	0.008	.0004225	.0028788	
mm_pl5_adj	.0007708	.0012112	0.64	0.524	-.001603	.0031447	
mm_pl6_adj	-.0003395	.0012506	-0.27	0.786	-.0027907	.0021117	
mm_pl7_adj	-.0005195	.0007286	-0.71	0.476	-.0019475	.0009085	
mm_pl8_adj	-.0011278	.0016111	-0.70	0.484	-.0042856	.00203	
mm_pl9_adj	-.0006593	.0012748	-0.52	0.605	-.0031579	.0018393	
mm_pl10_adj	-.0034764	.0010023	-3.47	0.001	-.0054407	-.001512	
int_mm_pl1_adj	-.0008229	.0013891	-0.59	0.554	-.0035454	.0018997	
int_mm_pl3_adj	.0017648	.0020742	0.85	0.395	-.0023005	.0058302	
int_mm_pl4_adj	.0010231	.0015672	0.65	0.514	-.0020485	.0040946	
int_mm_pl5_adj	.0005305	.0019861	0.27	0.789	-.0033622	.0044232	
int_mm_pl6_adj	.0009186	.0016995	0.54	0.589	-.0024125	.0042496	
int_mm_pl7_adj	.0004539	.0017466	0.26	0.795	-.0029694	.0038771	
int_mm_pl8_adj	-.0002848	.0020799	-0.14	0.891	-.0043613	.0037917	
int_mm_pl9_adj	-.003807	.0020022	-1.90	0.057	-.0077313	.0001173	
int_mm_pl10_adj	.0014531	.0019437	0.75	0.455	-.0023564	.0052626	
phase2_st	-.0010937	.0022102	-0.49	0.621	-.0054257	.0032383	

Underidentification test (Kleibergen-Paap rk LM statistic): 17.840
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 5.6e+04
(Kleibergen-Paap rk Wald F statistic): 292.900

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj

Included instruments: phase2_st

Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for

partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0022227	.0008554	-2.60	0.009	-.0038992 - .0005461

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = .0022227

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-1.99e-17	.0008554	-0.00	1.000	-.0016765 .0016765

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
0

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0012293	.0019963	-0.62	0.538	-.0051419 .0026834

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
.0012293

srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	1.73e-17	.0019963	0.00	1.000	-.0039126 .0039126

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 56.23
Prob > chi2 = 0.0000

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 6.89
 Prob > chi2 = 0.6489

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_interaction_nounemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: srvroll24, unemployment:
 nounemp

Summary results for first-stage regressions

Variable	F(18, 53)	P-val	(Underid)		(Weak id)	
			AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl1_adj	821.45	0.0000	2614.45	0.0000	2564.49	
mm_pl3_adj	422.44	0.0000	2859.27	0.0000	2804.63	
mm_pl4_adj	414.98	0.0000	3098.59	0.0000	3039.38	
mm_pl5_adj	427.04	0.0000	2967.94	0.0000	2911.24	
mm_pl6_adj	442.51	0.0000	3194.72	0.0000	3133.68	
mm_pl7_adj	396.17	0.0000	2956.70	0.0000	2900.20	
mm_pl8_adj	497.05	0.0000	3172.57	0.0000	3111.95	
mm_pl9_adj	468.69	0.0000	2991.68	0.0000	2934.52	
mm_pl10_adj	426.12	0.0000	2985.16	0.0000	2928.12	
int_mm_pl1_a	558.78	0.0000	4443.89	0.0000	4358.98	
int_mm_pl3_a	516.31	0.0000	4142.85	0.0000	4063.69	
int_mm_pl4_a	527.59	0.0000	4440.51	0.0000	4355.67	
int_mm_pl5_a	568.90	0.0000	4027.09	0.0000	3950.14	
int_mm_pl6_a	435.59	0.0000	4246.10	0.0000	4164.97	
int_mm_pl7_a	441.93	0.0000	4347.43	0.0000	4264.37	
int_mm_pl8_a	465.99	0.0000	3680.35	0.0000	3610.03	
int_mm_pl9_a	395.04	0.0000	3588.19	0.0000	3519.64	
int_mm_pl10_	357.23	0.0000	3907.52	0.0000	3832.86	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	21.34
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=17.84 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 55922.77

Kleibergen-Paap Wald rk F statistic 292.90

Stock-Yogo weak ID test critical values for K1=18 and L1=18:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid


```

Instrumented:      mm_p11_adj mm_p13_adj mm_p14_adj mm_p15_adj mm_p16_adj
                  mm_p17_adj mm_p18_adj mm_p19_adj mm_p110_adj
                  int_mm_p11_adj int_mm_p13_adj int_mm_p14_adj
                  int_mm_p15_adj int_mm_p16_adj int_mm_p17_adj
                  int_mm_p18_adj int_mm_p19_adj int_mm_p110_adj
Included instruments: phase2_st
Excluded instruments: imm_p11_adj imm_p13_adj imm_p14_adj imm_p15_adj
                     imm_p16_adj imm_p17_adj imm_p18_adj imm_p19_adj
                     imm_p110_adj int_imm_p11_adj int_imm_p13_adj
                     int_imm_p14_adj int_imm_p15_adj int_imm_p16_adj
                     int_imm_p17_adj int_imm_p18_adj int_imm_p19_adj
                     int_imm_p110_adj
Partialled-out:    male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY pial pia_miss ime1 ime_miss_cons
                  nb: small-sample adjustments account for
                     partialled-out variables

```

(1) - mm_p11_adj - mm_p13_adj - mm_p14_adj - mm_p15_adj - mm_p16_adj - mm_p17_adj
- mm_p18_adj - mm_p19_adj - mm_p110_adj = 0

srvroll124	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0009923	.0011329	-0.88	0.381	-.0032127 .0012282

(1) mm_p11_adj + mm_p13_adj + mm_p14_adj + mm_p15_adj + mm_p16_adj + mm_p17_adj +
mm_p18_adj + mm_p19_adj + mm_p110_adj = .0009923

srvroll124	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-8.67e-18	.0011329	-0.00	1.000	-.0022205 .0022205

(1) - int_mm_p11_adj - int_mm_p13_adj - int_mm_p14_adj - int_mm_p15_adj -
int_mm_p16_adj - int_mm_p17_adj - int_mm_p18_adj - int_mm_p19_adj - int_mm_p110_adj =
0

srvroll124	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0004111	.0022764	0.18	0.857	-.0040506 .0048727

(1) int_mm_p11_adj + int_mm_p13_adj + int_mm_p14_adj + int_mm_p15_adj +
int_mm_p16_adj + int_mm_p17_adj + int_mm_p18_adj + int_mm_p19_adj + int_mm_p110_adj =
-.0004111

srvroll24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	1.78e-17	.0022764	0.00	1.000	-.0044616	.0044616

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 14.04
 Prob > chi2 = 0.1208

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 39.20
 Prob > chi2 = 0.0000

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_interaction_nounemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: srvroll36, unemployment:
 nounemp

Summary results for first-stage regressions

Variable	F(18, 53)		P-val	(Underid)		(Weak id)	
	AP	Chi-sq(1)		AP	F(1, 53)		
mm_pl1_adj	821.45	0.0000	2614.45	0.0000	2564.49		
mm_pl3_adj	422.44	0.0000	2859.27	0.0000	2804.63		
mm_pl4_adj	414.98	0.0000	3098.59	0.0000	3039.38		
mm_pl5_adj	427.04	0.0000	2967.94	0.0000	2911.24		
mm_pl6_adj	442.51	0.0000	3194.72	0.0000	3133.68		
mm_pl7_adj	396.17	0.0000	2956.70	0.0000	2900.20		
mm_pl8_adj	497.05	0.0000	3172.57	0.0000	3111.95		
mm_pl9_adj	468.69	0.0000	2991.68	0.0000	2934.52		
mm_pl10_adj	426.12	0.0000	2985.16	0.0000	2928.12		
int_mm_pl1_a	558.78	0.0000	4443.89	0.0000	4358.98		
int_mm_pl3_a	516.31	0.0000	4142.85	0.0000	4063.69		
int_mm_pl4_a	527.59	0.0000	4440.51	0.0000	4355.67		
int_mm_pl5_a	568.90	0.0000	4027.09	0.0000	3950.14		
int_mm_pl6_a	435.59	0.0000	4246.10	0.0000	4164.97		
int_mm_pl7_a	441.93	0.0000	4347.43	0.0000	4264.37		
int_mm_pl8_a	465.99	0.0000	3680.35	0.0000	3610.03		
int_mm_pl9_a	395.04	0.0000	3588.19	0.0000	3519.64		

int_mm_pl10_ | 357.23 0.0000 | 3907.52 0.0000 | 3832.86

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias 21.34
10% maximal IV size 16.38
15% maximal IV size 8.96
20% maximal IV size 6.66
25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=17.84 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 55922.77

Kleibergen-Paap Wald rk F statistic 292.90

Stock-Yogo weak ID test critical values for K1=18 and L1=18:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(18,53)= 1.87 P-val=0.0408

Anderson-Rubin Wald test Chi-sq(18)= 34.24 P-val=0.0118

Stock-Wright LM S statistic Chi-sq(18)= 16.90 P-val=0.5300

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
Number of observations N = 191818
Number of regressors K = 19
Number of endogenous regressors K1 = 18
Number of instruments L = 19
Number of excluded instruments L1 = 18
Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 191818
F(19, 53) = 5.33
Prob > F = 0.0000
Total (centered) SS = 4350.874139 Centered R2 = 0.0003
Total (uncentered) SS = 4350.874139 Uncentered R2 = 0.0003
Residual SS = 4349.532695 Root MSE = .1506

srvroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_pl1_adj	.002122	.0012971	1.64	0.102	-.0004203	.0046644
mm_pl3_adj	.0009961	.001204	0.83	0.408	-.0013636	.0033558

mm_pl4_adj	-.0009724	.0012417	-0.78	0.434	-.003406	.0014613
mm_pl5_adj	-.0014791	.0012466	-1.19	0.235	-.0039224	.0009641
mm_pl6_adj	-.0007703	.0013631	-0.57	0.572	-.0034419	.0019013
mm_pl7_adj	-.0002677	.0014224	-0.19	0.851	-.0030556	.0025202
mm_pl8_adj	-.0010165	.0021048	-0.48	0.629	-.0051419	.0031089
mm_pl9_adj	.0015241	.0015858	0.96	0.337	-.001584	.0046322
mm_pl10_adj	-.00021	.0011766	-0.18	0.858	-.002516	.002096
int_mm_pl1_adj	-.0001467	.0019098	-0.08	0.939	-.0038898	.0035964
int_mm_pl3_adj	.0020624	.0020433	1.01	0.313	-.0019425	.0060672
int_mm_pl4_adj	-.0007326	.0020242	-0.36	0.717	-.0047	.0032348
int_mm_pl5_adj	.0007582	.0020075	0.38	0.706	-.0031764	.0046928
int_mm_pl6_adj	.0008849	.0027846	0.32	0.751	-.0045728	.0063426
int_mm_pl7_adj	-.0000231	.0022423	-0.01	0.992	-.004418	.0043717
int_mm_pl8_adj	.0010616	.0030861	0.34	0.731	-.0049871	.0071104
int_mm_pl9_adj	-.0049776	.0018789	-2.65	0.008	-.0086601	-.0012951
int_mm_pl10_adj	.0014994	.0021507	0.70	0.486	-.0027159	.0057148
phase2_st	-.0149338	.0030807	-4.85	0.000	-.0209719	-.0088957

Underidentification test (Kleibergen-Paap rk LM statistic): 17.840
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 5.6e+04
(Kleibergen-Paap rk Wald F statistic): 292.900

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

srvroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0000738	.0012889	0.06	0.954	-.0024524	.0026001

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0000738

srvroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	4.63e-17	.0012889	0.00	1.000	-.0025263	.0025263

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj - int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj = 0

srvroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0003865	.0020988	-0.18	0.854	-.0045001	.0037271

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj + int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj = .0003865

srvroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	1.16e-17	.0020988	0.00	1.000	-.0041136	.0041136

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 8.36
 Prob > chi2 = 0.4985

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 10.01
 Prob > chi2 = 0.3496

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_interaction_nounemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: srvroll48, unemployment:
nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(18, 53)	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl1_adj	821.45	0.0000	2614.45	0.0000	2564.49	
mm_pl3_adj	422.44	0.0000	2859.27	0.0000	2804.63	
mm_pl4_adj	414.98	0.0000	3098.59	0.0000	3039.38	
mm_pl5_adj	427.04	0.0000	2967.94	0.0000	2911.24	
mm_pl6_adj	442.51	0.0000	3194.72	0.0000	3133.68	
mm_pl7_adj	396.17	0.0000	2956.70	0.0000	2900.20	
mm_pl8_adj	497.05	0.0000	3172.57	0.0000	3111.95	
mm_pl9_adj	468.69	0.0000	2991.68	0.0000	2934.52	
mm_pl10_adj	426.12	0.0000	2985.16	0.0000	2928.12	
int_mm_pl1_a	558.78	0.0000	4443.89	0.0000	4358.98	
int_mm_pl3_a	516.31	0.0000	4142.85	0.0000	4063.69	
int_mm_pl4_a	527.59	0.0000	4440.51	0.0000	4355.67	
int_mm_pl5_a	568.90	0.0000	4027.09	0.0000	3950.14	
int_mm_pl6_a	435.59	0.0000	4246.10	0.0000	4164.97	
int_mm_pl7_a	441.93	0.0000	4347.43	0.0000	4264.37	
int_mm_pl8_a	465.99	0.0000	3680.35	0.0000	3610.03	
int_mm_pl9_a	395.04	0.0000	3588.19	0.0000	3519.64	
int_mm_pl10_	357.23	0.0000	3907.52	0.0000	3832.86	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	21.34
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=17.84 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 55922.77

Kleibergen-Paap Wald rk F statistic 292.90

Stock-Yogo weak ID test critical values for K1=18 and L1=18:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(18,53)= 1.62 P-val=0.0887

Anderson-Rubin Wald test Chi-sq(18)= 29.71 P-val=0.0403

Stock-Wright LM S statistic Chi-sq(18)= 16.29 P-val=0.5725

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust


```

imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

```

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj - mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

srvroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0000467	.0015135	0.03	0.975	-.0029198 .0030131

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj + mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0000467

srvroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-3.73e-17	.0015135	-0.00	1.000	-.0029665 .0029665

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj - int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj = 0

srvroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0001748	.0020052	0.09	0.931	-.0037553 .0041049

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj + int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj = -.0001748

srvroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	2.85e-18	.0020052	0.00	1.000	-.0039301 .0039301

(1) mm_pl1_adj = 0

(2) mm_pl3_adj = 0
 (3) mm_pl4_adj = 0
 (4) mm_pl5_adj = 0
 (5) mm_pl6_adj = 0
 (6) mm_pl7_adj = 0
 (7) mm_pl8_adj = 0
 (8) mm_pl9_adj = 0
 (9) mm_pl10_adj = 0

chi2(9) = 9.19
 Prob > chi2 = 0.4195

(1) int_mm_pl1_adj = 0
 (2) int_mm_pl3_adj = 0
 (3) int_mm_pl4_adj = 0
 (4) int_mm_pl5_adj = 0
 (5) int_mm_pl6_adj = 0
 (6) int_mm_pl7_adj = 0
 (7) int_mm_pl8_adj = 0
 (8) int_mm_pl9_adj = 0
 (9) int_mm_pl10_adj = 0

chi2(9) = 9.61
 Prob > chi2 = 0.3829

N:\Secure_Data-

DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV_Pooled_interaction_nounemp.xls

dir : seeout

2 and phase 3 with interactions dependent variable: nstwl2, unemployment:
 nounemp

Summary results for first-stage regressions

Variable				(Underid)		(Weak id)	
	F(18, 53)	P-val	AP	Chi-sq(1)	P-val	AP	F(1, 53)
mm_pl1_adj	821.45	0.0000		2614.45	0.0000		2564.49
mm_pl3_adj	422.44	0.0000		2859.27	0.0000		2804.63
mm_pl4_adj	414.98	0.0000		3098.59	0.0000		3039.38
mm_pl5_adj	427.04	0.0000		2967.94	0.0000		2911.24
mm_pl6_adj	442.51	0.0000		3194.72	0.0000		3133.68
mm_pl7_adj	396.17	0.0000		2956.70	0.0000		2900.20
mm_pl8_adj	497.05	0.0000		3172.57	0.0000		3111.95
mm_pl9_adj	468.69	0.0000		2991.68	0.0000		2934.52
mm_pl10_adj	426.12	0.0000		2985.16	0.0000		2928.12
int_mm_pl1_a	558.78	0.0000		4443.89	0.0000		4358.98
int_mm_pl3_a	516.31	0.0000		4142.85	0.0000		4063.69
int_mm_pl4_a	527.59	0.0000		4440.51	0.0000		4355.67
int_mm_pl5_a	568.90	0.0000		4027.09	0.0000		3950.14
int_mm_pl6_a	435.59	0.0000		4246.10	0.0000		4164.97
int_mm_pl7_a	441.93	0.0000		4347.43	0.0000		4264.37
int_mm_pl8_a	465.99	0.0000		3680.35	0.0000		3610.03
int_mm_pl9_a	395.04	0.0000		3588.19	0.0000		3519.64
int_mm_pl10_a	357.23	0.0000		3907.52	0.0000		3832.86

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias 21.34
 10% maximal IV size 16.38

15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=17.84 P-val=0.0000

Weak identification test

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 55922.77
 Kleibergen-Paap Wald rk F statistic 292.90

Stock-Yogo weak ID test critical values for K1=18 and L1=18: <not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(18,53)= 3.41 P-val=0.0003
 Anderson-Rubin Wald test Chi-sq(18)= 62.65 P-val=0.0000
 Stock-Wright LM S statistic Chi-sq(18)= 14.03 P-val=0.7270

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 191818
 Number of regressors K = 19
 Number of endogenous regressors K1 = 18
 Number of instruments L = 19
 Number of excluded instruments L1 = 18
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 191818
 F(19, 53) = 5.56
 Prob > F = 0.0000
 Total (centered) SS = 223382.9045 Centered R2 = 0.0004
 Total (uncentered) SS = 223382.9045 Uncentered R2 = 0.0004
 Residual SS = 223301.7447 Root MSE = 1.079

nstw12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_p11_adj	-.0031654	.009457	-0.33	0.738	-.0217009	.01537
mm_p13_adj	.01777	.0082417	2.16	0.031	.0016164	.0339235
mm_p14_adj	-.0086894	.0064578	-1.35	0.178	-.0213464	.0039677
mm_p15_adj	-.0040955	.0094809	-0.43	0.666	-.0226777	.0144867
mm_p16_adj	-.0012904	.0073577	-0.18	0.861	-.0157111	.0131304
mm_p17_adj	-.0271445	.0093589	-2.90	0.004	-.0454877	-.0088013
mm_p18_adj	.0119921	.0117756	1.02	0.308	-.0110877	.0350718
mm_p19_adj	.0029104	.0049832	0.58	0.559	-.0068564	.0126773
mm_p110_adj	.0114326	.0084321	1.36	0.175	-.0050941	.0279592

int_mm_pl1_adj	-.0220373	.0133162	-1.65	0.098	-.0481365	.004062
int_mm_pl3_adj	-.0117888	.0117165	-1.01	0.314	-.0347528	.0111752
int_mm_pl4_adj	.0160346	.0096206	1.67	0.096	-.0028214	.0348906
int_mm_pl5_adj	.0011477	.0160948	0.07	0.943	-.0303976	.0326931
int_mm_pl6_adj	-.0029664	.013016	-0.23	0.820	-.0284773	.0225444
int_mm_pl7_adj	.028766	.014318	2.01	0.045	.0007032	.0568288
int_mm_pl8_adj	.0059641	.0162714	0.37	0.714	-.0259273	.0378554
int_mm_pl9_adj	-.0016374	.0144581	-0.11	0.910	-.0299747	.0267
int_mm_pl10_adj	-.0091892	.0139207	-0.66	0.509	-.0364734	.018095
phase2_st	.1307646	.0211046	6.20	0.000	.0894004	.1721289

Underidentification test (Kleibergen-Paap rk LM statistic): 17.840
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 5.6e+04
(Kleibergen-Paap rk Wald F statistic): 292.900
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

nstw12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0002801	.006267	0.04	0.964	-.012003 .0125632

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0002801

nstwl2	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	2.98e-17	.006267	0.00	1.000	-.0122831	.0122831

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
0

nstwl2	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0042933	.0160306	-0.27	0.789	-.0357126	.027126

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
.0042933

nstwl2	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-2.60e-17	.0160306	-0.00	1.000	-.0314193	.0314193

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 48.99
Prob > chi2 = 0.0000

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 20.71
Prob > chi2 = 0.0140

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_interaction_nounemp.xls
dir : seeout

2 and phase 3 with interactions dependent variable: nstw24, unemployment:
nounemp

Summary results for first-stage regressions

```

-----
Variable | F( 18, 53) P-val | (Underid) AP Chi-sq( 1) P-val | (Weak id) AP F( 1, 53)
mm_pl1_adj | 821.45 0.0000 | 2614.45 0.0000 | 2564.49
mm_pl3_adj | 422.44 0.0000 | 2859.27 0.0000 | 2804.63
mm_pl4_adj | 414.98 0.0000 | 3098.59 0.0000 | 3039.38
mm_pl5_adj | 427.04 0.0000 | 2967.94 0.0000 | 2911.24
mm_pl6_adj | 442.51 0.0000 | 3194.72 0.0000 | 3133.68
mm_pl7_adj | 396.17 0.0000 | 2956.70 0.0000 | 2900.20
mm_pl8_adj | 497.05 0.0000 | 3172.57 0.0000 | 3111.95
mm_pl9_adj | 468.69 0.0000 | 2991.68 0.0000 | 2934.52
mm_pl10_adj | 426.12 0.0000 | 2985.16 0.0000 | 2928.12
int_mm_pl1_a | 558.78 0.0000 | 4443.89 0.0000 | 4358.98
int_mm_pl3_a | 516.31 0.0000 | 4142.85 0.0000 | 4063.69
int_mm_pl4_a | 527.59 0.0000 | 4440.51 0.0000 | 4355.67
int_mm_pl5_a | 568.90 0.0000 | 4027.09 0.0000 | 3950.14
int_mm_pl6_a | 435.59 0.0000 | 4246.10 0.0000 | 4164.97
int_mm_pl7_a | 441.93 0.0000 | 4347.43 0.0000 | 4264.37
int_mm_pl8_a | 465.99 0.0000 | 3680.35 0.0000 | 3610.03
int_mm_pl9_a | 395.04 0.0000 | 3588.19 0.0000 | 3519.64
int_mm_pl10_a | 357.23 0.0000 | 3907.52 0.0000 | 3832.86

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	21.34
10% maximal IV size	16.38
15% maximal IV size	8.96
20% maximal IV size	6.66
25% maximal IV size	5.53

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(1)=17.84 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 55922.77

Kleibergen-Paap Wald rk F statistic 292.90

Stock-Yogo weak ID test critical values for K1=18 and L1=18:

<not available>

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(18,53)= 1.75 P-val=0.0597

Anderson-Rubin Wald test Chi-sq(18)= 32.04 P-val=0.0217

Stock-Wright LM S statistic Chi-sq(18)= 14.26 P-val=0.7119

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	191818
Number of regressors	K =	19
Number of endogenous regressors	K1 =	18
Number of instruments	L =	19
Number of excluded instruments	L1 =	18
Number of partialled-out regressors/IVs	=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 191818
F(19, 53) = 8.23
Prob > F = 0.0000
Total (centered) SS = 1155479.594 Centered R2 = 0.0004
Total (uncentered) SS = 1155479.594 Uncentered R2 = 0.0004
Residual SS = 1155056.091 Root MSE = 2.454

nstw24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mm_pl1_adj	-.0236617	.0220805	-1.07	0.284	-.0669386 .0196152
mm_pl3_adj	.0395643	.0168496	2.35	0.019	.0065397 .072589
mm_pl4_adj	-.0246457	.0185126	-1.33	0.183	-.0609298 .0116384
mm_pl5_adj	-.0043308	.0208351	-0.21	0.836	-.0451441 .0365281
mm_pl6_adj	-.0116852	.0216222	-0.54	0.589	-.054064 .0306936
mm_pl7_adj	-.039235	.023411	-1.68	0.094	-.0851197 .0066498
mm_pl8_adj	.0262255	.0277181	0.95	0.344	-.0281011 .080552
mm_pl9_adj	.0076981	.0152989	0.50	0.615	-.0222872 .0376835
mm_pl10_adj	.0196193	.0197899	0.99	0.321	-.0191682 .0584068
int_mm_pl1_adj	-.018683	.0276951	-0.67	0.500	-.0729645 .0355984
int_mm_pl3_adj	-.0181461	.0286576	-0.63	0.527	-.074314 .0380218
int_mm_pl4_adj	.0428605	.0272342	1.57	0.116	-.0105176 .0962386
int_mm_pl5_adj	-.0143777	.0408715	-0.35	0.725	-.0944844 .065729
int_mm_pl6_adj	.0060096	.0338878	0.18	0.859	-.0604092 .0724284
int_mm_pl7_adj	.0554354	.0337614	1.64	0.101	-.0107357 .1216064
int_mm_pl8_adj	.0129496	.0378777	0.34	0.732	-.0612892 .0871885
int_mm_pl9_adj	-.0135208	.0309996	-0.44	0.663	-.0742788 .0472372
int_mm_pl10_adj	-.0303709	.0350476	-0.87	0.386	-.0990629 .0383211
phase2_st	.2909818	.0397029	7.33	0.000	.2131656 .3687981

Underidentification test (Kleibergen-Paap rk LM statistic): 17.840
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 5.6e+04
(Kleibergen-Paap rk Wald F statistic): 292.900

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj

Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs


```

tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

```

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0104283	.0167387	0.62	0.533	-.0223789 .0432355

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0104283

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	4.16e-17	.0167387	0.00	1.000	-.0328072 .0328072

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
0

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0221565	.0366991	-0.60	0.546	-.0940854 .0497724

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
.0221565

nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	4.16e-17	.0366991	0.00	1.000	-.0719289 .0719289

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0

(9) mm_pl10_adj = 0
 chi2(9) = 20.00
 Prob > chi2 = 0.0179

(1) int_mm_pl1_adj = 0
 (2) int_mm_pl3_adj = 0
 (3) int_mm_pl4_adj = 0
 (4) int_mm_pl5_adj = 0
 (5) int_mm_pl6_adj = 0
 (6) int_mm_pl7_adj = 0
 (7) int_mm_pl8_adj = 0
 (8) int_mm_pl9_adj = 0
 (9) int_mm_pl10_adj = 0

chi2(9) = 13.51
 Prob > chi2 = 0.1408

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_interaction_nounemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: nstw36, unemployment:
 nounemp

Summary results for first-stage regressions

Variable	F(18, 53) P-val		(Underid)		(Weak id)	
	F	P-val	AP Chi-sq(1)	P-val	AP F(1, 53)	P-val
mm_pl1_adj	821.45	0.0000	2614.45	0.0000	2564.49	
mm_pl3_adj	422.44	0.0000	2859.27	0.0000	2804.63	
mm_pl4_adj	414.98	0.0000	3098.59	0.0000	3039.38	
mm_pl5_adj	427.04	0.0000	2967.94	0.0000	2911.24	
mm_pl6_adj	442.51	0.0000	3194.72	0.0000	3133.68	
mm_pl7_adj	396.17	0.0000	2956.70	0.0000	2900.20	
mm_pl8_adj	497.05	0.0000	3172.57	0.0000	3111.95	
mm_pl9_adj	468.69	0.0000	2991.68	0.0000	2934.52	
mm_pl10_adj	426.12	0.0000	2985.16	0.0000	2928.12	
int_mm_pl1_a	558.78	0.0000	4443.89	0.0000	4358.98	
int_mm_pl3_a	516.31	0.0000	4142.85	0.0000	4063.69	
int_mm_pl4_a	527.59	0.0000	4440.51	0.0000	4355.67	
int_mm_pl5_a	568.90	0.0000	4027.09	0.0000	3950.14	
int_mm_pl6_a	435.59	0.0000	4246.10	0.0000	4164.97	
int_mm_pl7_a	441.93	0.0000	4347.43	0.0000	4264.37	
int_mm_pl8_a	465.99	0.0000	3680.35	0.0000	3610.03	
int_mm_pl9_a	395.04	0.0000	3588.19	0.0000	3519.64	
int_mm_pl10_a	357.23	0.0000	3907.52	0.0000	3832.86	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 21.34
 10% maximal IV size 16.38
 15% maximal IV size 8.96
 20% maximal IV size 6.66
 25% maximal IV size 5.53

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(1)=17.84 P-val=0.0000

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 55922.77
 Kleibergen-Paap Wald rk F statistic 292.90

Stock-Yogo weak ID test critical values for K1=18 and L1=18: <not available>

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(18,53)= 1.90 P-val=0.0368
 Anderson-Rubin Wald test Chi-sq(18)= 34.82 P-val=0.0100
 Stock-Wright LM S statistic Chi-sq(18)= 18.68 P-val=0.4115

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 191818
 Number of regressors K = 19
 Number of endogenous regressors K1 = 18
 Number of instruments L = 19
 Number of excluded instruments L1 = 18
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 191818
 F(19, 53) = 5.99
 Prob > F = 0.0000
 Total (centered) SS = 3203521.5 Centered R2 = 0.0003
 Total (uncentered) SS = 3203521.5 Uncentered R2 = 0.0003
 Residual SS = 3202599.899 Root MSE = 4.086

nstw36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mm_p11_adj	-.0397867	.0378009	-1.05	0.293	-.1138751	.0343017
mm_p13_adj	.072191	.0337573	2.14	0.032	.0060279	.1383541
mm_p14_adj	-.0417772	.0322111	-1.30	0.195	-.1049097	.0213554
mm_p15_adj	-.0041492	.0358017	-0.12	0.908	-.0743193	.0660208
mm_p16_adj	-.0248758	.0427316	-0.58	0.560	-.1086282	.0588765
mm_p17_adj	-.0372482	.0364178	-1.02	0.306	-.1086258	.0341293
mm_p18_adj	.0389044	.0423114	0.92	0.358	-.0440244	.1218331
mm_p19_adj	-.0013186	.0218019	-0.06	0.952	-.0440495	.0414124
mm_p110_adj	.0244939	.0378939	0.65	0.518	-.0497767	.0987645
int_mm_p11_adj	.0075817	.0446685	0.17	0.865	-.0799669	.0951303
int_mm_p13_adj	-.0509631	.0547389	-0.93	0.352	-.1582493	.0563232
int_mm_p14_adj	.0858132	.0452077	1.90	0.058	-.0027923	.1744188
int_mm_p15_adj	-.0283505	.0674189	-0.42	0.674	-.1604891	.1037881
int_mm_p16_adj	.0272595	.0622415	0.44	0.661	-.0947315	.1492506
int_mm_p17_adj	.082927	.0546634	1.52	0.129	-.0242112	.1900653
int_mm_p18_adj	.0067838	.0611917	0.11	0.912	-.1131497	.1267172

int_mm_pl9_adj		-.0264481	.0428642	-0.62	0.537	-.1104603	.0575642
int_mm_pl10_adj		-.0636082	.0606978	-1.05	0.295	-.1825737	.0553573
phase2_st		.4114989	.0620751	6.63	0.000	.289834	.5331638

Underidentification test (Kleibergen-Paap rk LM statistic): 17.840
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 5.6e+04
(Kleibergen-Paap rk Wald F statistic): 292.900

Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj
Included instruments: phase2_st
Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

(1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

nstw36		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		.0135665	.0236294	0.57	0.566	-.0327463 .0598793

(1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0135665

nstw36		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		-3.47e-18	.0236294	-0.00	1.000	-.0463128 .0463128

(1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
 int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
 0

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0409954	.0543476	-0.75	0.451	-.1475147 .0655239

(1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
 int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
 .0409954

nstw36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-3.47e-17	.0543476	-0.00	1.000	-.1065193 .1065193

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

chi2(9) = 16.15
 Prob > chi2 = 0.0637

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0
- (3) int_mm_pl4_adj = 0
- (4) int_mm_pl5_adj = 0
- (5) int_mm_pl6_adj = 0
- (6) int_mm_pl7_adj = 0
- (7) int_mm_pl8_adj = 0
- (8) int_mm_pl9_adj = 0
- (9) int_mm_pl10_adj = 0

chi2(9) = 16.34
 Prob > chi2 = 0.0600

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
 _Pooled_interaction_nounemp.xls
 dir : seeout

2 and phase 3 with interactions dependent variable: nstw48, unemployment:
 nounemp

Summary results for first-stage regressions

Variable	F(18, 53)	P-val	(Underid)		(Weak id)	
			AP Chi-sq(1)	P-val	AP F(1, 53)	
mm_pl1_adj	821.45	0.0000	2614.45	0.0000	2564.49	
mm_pl3_adj	422.44	0.0000	2859.27	0.0000	2804.63	
mm_pl4_adj	414.98	0.0000	3098.59	0.0000	3039.38	

Number of clusters (tsd_state) =	54	Number of obs =	191818
		F(19, 53) =	4.41
Total (centered) SS	= 6684080.566	Prob > F	= 0.0000
Total (uncentered) SS	= 6684080.566	Centered R2	= 0.0002
Residual SS	= 6682668.656	Uncentered R2	= 0.0002
		Root MSE	= 5.902

nstw48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mm_pl1_adj	-.0673054	.0550203	-1.22	0.221	-.1751432 .0405325
mm_pl3_adj	.0931582	.0547601	1.70	0.089	-.0141696 .2004859
mm_pl4_adj	-.0423222	.0517302	-0.82	0.413	-.1437114 .0590671
mm_pl5_adj	-.0347498	.0472907	-0.73	0.462	-.1274379 .0579384
mm_pl6_adj	-.0291217	.0700621	-0.42	0.678	-.166441 .1081976
mm_pl7_adj	-.0123058	.0527061	-0.23	0.815	-.1156078 .0909963
mm_pl8_adj	.0636974	.050271	1.27	0.205	-.034832 .1622268
mm_pl9_adj	-.0281082	.0319249	-0.88	0.379	-.0906798 .0344635
mm_pl10_adj	.0271028	.055481	0.49	0.625	-.081638 .1358435
int_mm_pl1_adj	.0439313	.068776	0.64	0.523	-.0908671 .1787297
int_mm_pl3_adj	-.0730159	.0845564	-0.86	0.388	-.2387435 .0927116
int_mm_pl4_adj	.1247664	.069505	1.80	0.073	-.0114608 .2609936
int_mm_pl5_adj	-.0001141	.0961043	-0.00	0.999	-.188475 .1882468
int_mm_pl6_adj	.0495857	.0919411	0.54	0.590	-.1306156 .229787
int_mm_pl7_adj	.0688279	.0810741	0.85	0.396	-.0900745 .2277303
int_mm_pl8_adj	-.0292744	.084954	-0.34	0.730	-.1957812 .1372324
int_mm_pl9_adj	-.0114709	.0543299	-0.21	0.833	-.1179557 .0950138
int_mm_pl10_adj	-.1120832	.0876545	-1.28	0.201	-.2838829 .0597165
phase2_st	.4670167	.0852156	5.48	0.000	.2999973 .6340362

Underidentification test (Kleibergen-Paap rk LM statistic): 17.840
Chi-sq(1) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 5.6e+04
(Kleibergen-Paap rk Wald F statistic): 292.900
Stock-Yogo weak ID test critical values: <not available>

Hansen J statistic (overidentification test of all instruments): 0.000
(equation exactly identified)

Instrumented: mm_pl1_adj mm_pl3_adj mm_pl4_adj mm_pl5_adj mm_pl6_adj
mm_pl7_adj mm_pl8_adj mm_pl9_adj mm_pl10_adj
int_mm_pl1_adj int_mm_pl3_adj int_mm_pl4_adj
int_mm_pl5_adj int_mm_pl6_adj int_mm_pl7_adj
int_mm_pl8_adj int_mm_pl9_adj int_mm_pl10_adj

Included instruments: phase2_st

Excluded instruments: imm_pl1_adj imm_pl3_adj imm_pl4_adj imm_pl5_adj
imm_pl6_adj imm_pl7_adj imm_pl8_adj imm_pl9_adj
imm_pl10_adj int_imm_pl1_adj int_imm_pl3_adj
int_imm_pl4_adj int_imm_pl5_adj int_imm_pl6_adj
int_imm_pl7_adj int_imm_pl8_adj int_imm_pl9_adj
int_imm_pl10_adj

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO

```

st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
( 1) - mm_pl1_adj - mm_pl3_adj - mm_pl4_adj - mm_pl5_adj - mm_pl6_adj - mm_pl7_adj
- mm_pl8_adj - mm_pl9_adj - mm_pl10_adj = 0

```

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0299545	.0355524	0.84	0.399	-.0397269 .099636

```

( 1) mm_pl1_adj + mm_pl3_adj + mm_pl4_adj + mm_pl5_adj + mm_pl6_adj + mm_pl7_adj +
mm_pl8_adj + mm_pl9_adj + mm_pl10_adj = -.0299545

```

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	3.82e-17	.0355524	0.00	1.000	-.0696814 .0696814

```

( 1) - int_mm_pl1_adj - int_mm_pl3_adj - int_mm_pl4_adj - int_mm_pl5_adj -
int_mm_pl6_adj - int_mm_pl7_adj - int_mm_pl8_adj - int_mm_pl9_adj - int_mm_pl10_adj =
0

```

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0611528	.0726477	-0.84	0.400	-.2035397 .0812342

```

( 1) int_mm_pl1_adj + int_mm_pl3_adj + int_mm_pl4_adj + int_mm_pl5_adj +
int_mm_pl6_adj + int_mm_pl7_adj + int_mm_pl8_adj + int_mm_pl9_adj + int_mm_pl10_adj =
.0611528

```

nstw48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	2.08e-17	.0726477	0.00	1.000	-.1423869 .1423869

- (1) mm_pl1_adj = 0
- (2) mm_pl3_adj = 0
- (3) mm_pl4_adj = 0
- (4) mm_pl5_adj = 0
- (5) mm_pl6_adj = 0
- (6) mm_pl7_adj = 0
- (7) mm_pl8_adj = 0
- (8) mm_pl9_adj = 0
- (9) mm_pl10_adj = 0

```

      chi2( 9) =    22.15
    Prob > chi2 =    0.0084

```

- (1) int_mm_pl1_adj = 0
- (2) int_mm_pl3_adj = 0


```
( 3) int_mm_pl4_adj = 0
( 4) int_mm_pl5_adj = 0
( 5) int_mm_pl6_adj = 0
( 6) int_mm_pl7_adj = 0
( 7) int_mm_pl8_adj = 0
( 8) int_mm_pl9_adj = 0
( 9) int_mm_pl10_adj = 0
```

```
      chi2( 9) = 11.50
Prob > chi2 = 0.2427
```

```
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelD\IV
_Pooled_interaction_nounemp.xls
dir : seeout
```

```
. *
.
end of do-file
```

```
.
. do N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IV_ModelE.do
```

```
. capture log close _all
```

4. Log File for Instrumental Variables Models with Continuous MM (With and Without State Level Unemployment Measures)

```
-----  
-----  
      name: <unnamed>  
      log: N:\Secure_Data-  
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IV_ModelC.txt  
      log type: text  
      opened on: 6 Nov 2012, 14:03:38  
  
.   
.   
.   
. /*=====*/  
>   
> project: 08977 TTW Impact Analysis  
> program: IV_ModelC.do  
>   
> =====*/  
.   
. ***local for input path  
. local input "N:\Secure_Data-  
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Data\OutputFolder\LPMRestrict  
edStat  
> a"  
  
. local path "N:\Secure_Data-  
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC"  
  
.   
.   
. ***load data  
. use "`input'" ,clear  
(SAVASTATA created this dataset on 23OCT2012)  
  
.   
. ***create imm interactions  
. foreach v of varlist motoimm motoimmsq motoimmcb {  
2. gen int_`v' = phase2_st*`v'  
3. }  
  
. *  
.   
. ***create mm interactions  
. foreach v of varlist mototkt mototktsq mototktcb {  
2. gen int_`v' = phase2_st*`v'  
3. }  
  
. *  
.   
. ***create pooled intended mail months  
. gen imm_p11 = (imm10 == 1 | imm21 == 1)  
  
. gen imm_p13 = (imm12 == 1 | imm23 == 1)  
  
. gen imm_p14 = (imm13 == 1 | imm24 == 1)  
  
. gen imm_p15 = (imm14 == 1 | imm25 == 1)  
  
. gen imm_p16 = (imm15 == 1 | imm26 == 1)
```

```

. gen imm_p17 = (imm16 == 1 | imm27 == 1)

. gen imm_p18 = (imm17 == 1 | imm28 == 1)

. gen imm_p19 = (imm18 == 1 | imm29 == 1)

. gen imm_p110 = (imm19 == 1 | imm30 == 1)

. gen imm_p111 = (imm20 == 1 | imm31 == 1)

.
. ***local macro for covariates
. local unemp /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
> doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis
///
> tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
> tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
> tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
> /*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003
cohort2004 ///
> award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
> st_AL-st_TN st_TX-st_WY tsd_unemp_meantsd_unemp_cng pial pia_miss
ime1 ime_miss

.
. local nounemp /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
> doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis
///
> tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
> tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
> tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
> /*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003
cohort2004 ///
> award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
> st_AL-st_TN st_TX-st_WY pial pia_miss ime1 ime_miss

.
.
. local nounempny /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
> doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis
///
> tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
> tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
> tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
> /*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003
cohort2004 ///
> award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd ///
> /*st_AL-st_TN st_TX-st_WY tsd_unemp_mean tsd_unemp_cng*/ pial
pia_miss ime1 ime_miss

.
. ***local for pooled intended mail months
. local imm "imm_p11 imm_p13 imm_p14 imm_p15 imm_p16 imm_p17 imm_p18 imm_p19
imm_p110 "

```

```

. local int_imm "int_imm_pl1 int_imm_pl3 int_imm_pl4 int_imm_pl5 int_imm_pl6
int_imm_pl7 int_imm_pl8 int_imm_pl9 int_imm_pl
> 10"

.
. ***local for imm mail months
. local phlnyimm "imm1 imm4 imm6 imm7 imm8 "

. local phlnonyimm "imm1 imm3 imm4 "

. local phase2imm "imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19 "
. local phase3imm "imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30 "

.
.
. ***local for intended mail months
. local moto "motoimm"

. local intmoto "int_motoimm"

. *local moto "motoimm motoimmsq motoimmcb"
. *local intmoto "int_motoimm int_motoimmsq int_motoimmcb"
.
. ***local for endogenous vars
. local endo mototkt

.
. ***new local for macro with covariates
. local enemplist unemp nounemp

.
. ***new local for macro with dependent variables
. local depen ldwroll12 ldwroll24 ldwroll36 ldwroll48 ///
> eperoll12 eperoll24 eperoll36 eperoll48 ///
> twproll12 twproll24 twproll36 twproll48 ///
> srvroll12 srvroll24 srvroll36 srvroll48 ///
> nstw12 nstw24 nstw36 nstw48

.
.
.         foreach v of local depen {
2.         di _n(2) as result as result `***phase 1 only NY*** dependent variable:
`v', unemployment: `covar'"
3.         ***phase 1 only NY
.         ivreg2 `v' `nounempny' ( `endo' = `phlnyimm') if phase1_st_ny == 1,
ffirst robust partial ( `nounempny')
4.
.         /*
>         ***F test
>         test mototkt mmmisss mmaft
>         local joint_chi2 = r(chi2)
>         local joint_pvalue = r(p)
>
>         test (mototkt+mmmisss+ mmaft)=0
>         local jointsum_chi2 = r(chi2)
>         local jointsum_pvalue = r(p) */
.
.
.         if "`v'" == "ldwroll12" {
5.             cap erase "`path'\IV_PH1NY_nounempny.xls"
6.             cap erase "`path'\IV_PH1NY_nounempny.txt"

```

```

7.          } /* close if loop */
8.
.          outreg2 using `"\path'\IV_PH1NY_nounempny.xls"',    ///
>          keep( `endo' ) nocons sideways stats(coef se tstat) ///
>          bdec(4) sdec(3) tdec(2) noparen slow(100) ///
>          /* addstat(joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue'
, jointsum_chi2,`jointsum_chi2', jointsum_pvalue,`
> jointsum_pvalue') */
9.          } /* close loop for events */

```

```

***phase 1 only NY*** dependent variable: ldwroll12, unemployment:
Warning - collinearities detected
Vars dropped:      gendermiss_flag doage2miss_flag

```

Summary results for first-stage regressions

```

-----
Variable          | F( 5, 11974)  P-val | AP Chi-sq( 5) P-val | AP F( 5, 11974)
mototkt          | 68965.88     0.0000 | 3.5e+05  0.0000 | 68965.88

```

NB: first-stage test statistics heteroskedasticity-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

```

5% maximal IV relative bias  18.37
10% maximal IV relative bias  10.83
20% maximal IV relative bias   6.77
30% maximal IV relative bias   5.25
10% maximal IV size          26.87
15% maximal IV size          15.09
20% maximal IV size          10.98
25% maximal IV size           8.84

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(5)=7541.70 P-val=0.0000

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 20462.19

Kleibergen-Paap Wald rk F statistic 68965.88

Stock-Yogo weak ID test critical values for K1=1 and L1=5:

```

5% maximal IV relative bias  18.37
10% maximal IV relative bias  10.83
20% maximal IV relative bias   6.77
30% maximal IV relative bias   5.25
10% maximal IV size          26.87
15% maximal IV size          15.09
20% maximal IV size          10.98
25% maximal IV size           8.84

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(5,11974)= 0.91 P-val=0.4730

Anderson-Rubin Wald test Chi-sq(5)= 4.57 P-val=0.4705
 Stock-Wright LM S statistic Chi-sq(5)= 4.57 P-val=0.4709

NB: Underidentification, weak identification and weak-identification-robust
 test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(1, 11978) =	0.74
		Prob > F =	0.3896
Total (centered) SS	=	214.6431191	
Total (uncentered) SS	=	214.6431191	
Residual SS	=	214.6304713	
		Centered R2 =	0.0001
		Uncentered R2 =	0.0001
		Root MSE =	.1336

ldwroll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	.0004667	.0005415	0.86	0.389	-.0005945 .0015279

Underidentification test (Kleibergen-Paap rk LM statistic): 7541.705
 Chi-sq(5) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.0e+04
 (Kleibergen-Paap rk Wald F statistic): 6.9e+04

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.37
 10% maximal IV relative bias 10.83
 20% maximal IV relative bias 6.77
 30% maximal IV relative bias 5.25
 10% maximal IV size 26.87
 15% maximal IV size 15.09
 20% maximal IV size 10.98
 25% maximal IV size 8.84

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 4.129
 Chi-sq(4) P-val = 0.3888

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm4 imm6 imm7 imm8
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss

Anderson-Rubin Wald test Chi-sq(5)= 1.14 P-val=0.9508
 Stock-Wright LM S statistic Chi-sq(5)= 1.14 P-val=0.9508

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(1, 11978) =	0.02
		Prob > F =	0.8891
Total (centered) SS	=	432.5343602	
Total (uncentered) SS	=	432.5343602	
Residual SS	=	432.5337904	
		Centered R2 =	0.0000
		Uncentered R2 =	0.0000
		Root MSE =	.1897

ldwroll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	.0001085	.0007765	0.14	0.889	-.0014134 .0016303

Underidentification test (Kleibergen-Paap rk LM statistic): 7541.705
 Chi-sq(5) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.0e+04
 (Kleibergen-Paap rk Wald F statistic): 6.9e+04

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.37
 10% maximal IV relative bias 10.83
 20% maximal IV relative bias 6.77
 30% maximal IV relative bias 5.25
 10% maximal IV size 26.87
 15% maximal IV size 15.09
 20% maximal IV size 10.98
 25% maximal IV size 8.84

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 1.122
 Chi-sq(4) P-val = 0.8908

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm4 imm6 imm7 imm8
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss

Anderson-Rubin Wald test Chi-sq(5)= 4.89 P-val=0.4290
 Stock-Wright LM S statistic Chi-sq(5)= 4.89 P-val=0.4296

NB: Underidentification, weak identification and weak-identification-robust
 test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023	
		F(1, 11978) =	2.00	
		Prob > F =	0.1569	
Total (centered) SS	=	619.2288992	Centered R2 =	0.0001
Total (uncentered) SS	=	619.2288992	Uncentered R2 =	0.0001
Residual SS	=	619.1476729	Root MSE =	.2269

ldwroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	-.001348	.0009503	-1.42	0.156	-.0032105 .0005146

Underidentification test (Kleibergen-Paap rk LM statistic): 7541.705
 Chi-sq(5) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.0e+04
 (Kleibergen-Paap rk Wald F statistic): 6.9e+04

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	18.37
10% maximal IV relative bias	10.83
20% maximal IV relative bias	6.77
30% maximal IV relative bias	5.25
10% maximal IV size	26.87
15% maximal IV size	15.09
20% maximal IV size	10.98
25% maximal IV size	8.84

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 2.864
 Chi-sq(4) P-val = 0.5809

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm4 imm6 imm7 imm8
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss

Anderson-Rubin Wald test Chi-sq(5)= 2.17 P-val=0.8257
 Stock-Wright LM S statistic Chi-sq(5)= 2.17 P-val=0.8258

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(1, 11978) =	0.16
		Prob > F =	0.6850
Total (centered) SS	=	251.9515859	
Total (uncentered) SS	=	251.9515859	
Residual SS	=	251.9363834	
		Centered R2 =	0.0001
		Uncentered R2 =	0.0001
		Root MSE =	.1448

eperoll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	.000244	.0006003	0.41	0.684	-.0009326 .0014206

Underidentification test (Kleibergen-Paap rk LM statistic): 7541.705
 Chi-sq(5) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.0e+04
 (Kleibergen-Paap rk Wald F statistic): 6.9e+04

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.37
 10% maximal IV relative bias 10.83
 20% maximal IV relative bias 6.77
 30% maximal IV relative bias 5.25
 10% maximal IV size 26.87
 15% maximal IV size 15.09
 20% maximal IV size 10.98
 25% maximal IV size 8.84

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 2.042
 Chi-sq(4) P-val = 0.7280

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm4 imm6 imm7 imm8
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss

Anderson-Rubin Wald test Chi-sq(5)= 2.86 P-val=0.7208
 Stock-Wright LM S statistic Chi-sq(5)= 2.86 P-val=0.7211

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(1, 11978) =	0.02
		Prob > F =	0.8806
Total (centered) SS	=	490.0596595	
Total (uncentered) SS	=	490.0596595	
Residual SS	=	490.0618472	
		Centered R2 =	-0.0000
		Uncentered R2 =	-0.0000
		Root MSE =	.2019

eperoll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	-.0001246	.0008278	-0.15	0.880	-.0017471 .0014979

Underidentification test (Kleibergen-Paap rk LM statistic): 7541.705
 Chi-sq(5) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.0e+04
 (Kleibergen-Paap rk Wald F statistic): 6.9e+04

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.37
 10% maximal IV relative bias 10.83
 20% maximal IV relative bias 6.77
 30% maximal IV relative bias 5.25
 10% maximal IV size 26.87
 15% maximal IV size 15.09
 20% maximal IV size 10.98
 25% maximal IV size 8.84

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 2.842
 Chi-sq(4) P-val = 0.5845

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm4 imm6 imm7 imm8
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss

Anderson-Rubin Wald test Chi-sq(5)= 5.07 P-val=0.4075
 Stock-Wright LM S statistic Chi-sq(5)= 5.06 P-val=0.4082

NB: Underidentification, weak identification and weak-identification-robust
 test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(1, 11978) =	0.11
		Prob > F =	0.7413
Total (centered) SS	=	697.4777549	
Total (uncentered) SS	=	697.4777549	
Residual SS	=	697.4853291	
		Centered R2 =	-0.0000
		Uncentered R2 =	-0.0000
		Root MSE =	.2409

eperoll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	-.0003278	.0009909	-0.33	0.741	-.0022699 .0016144

Underidentification test (Kleibergen-Paap rk LM statistic): 7541.705
 Chi-sq(5) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.0e+04
 (Kleibergen-Paap rk Wald F statistic): 6.9e+04

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.37
 10% maximal IV relative bias 10.83
 20% maximal IV relative bias 6.77
 30% maximal IV relative bias 5.25
 10% maximal IV size 26.87
 15% maximal IV size 15.09
 20% maximal IV size 10.98
 25% maximal IV size 8.84

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 4.964
 Chi-sq(4) P-val = 0.2910

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm4 imm6 imm7 imm8
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss

Anderson-Rubin Wald test Chi-sq(5)= 2.37 P-val=0.7966
 Stock-Wright LM S statistic Chi-sq(5)= 2.36 P-val=0.7969

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(1, 11978) =	0.02
		Prob > F =	0.8755
Total (centered) SS	=	898.0438644	
Total (uncentered) SS	=	898.0438644	
Residual SS	=	898.0289999	
		Centered R2 =	0.0000
		Uncentered R2 =	0.0000
		Root MSE =	.2733

eperoll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	.0001717	.0010937	0.16	0.875	-.0019719 .0023153

Underidentification test (Kleibergen-Paap rk LM statistic): 7541.705
 Chi-sq(5) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.0e+04
 (Kleibergen-Paap rk Wald F statistic): 6.9e+04

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.37
 10% maximal IV relative bias 10.83
 20% maximal IV relative bias 6.77
 30% maximal IV relative bias 5.25
 10% maximal IV size 26.87
 15% maximal IV size 15.09
 20% maximal IV size 10.98
 25% maximal IV size 8.84

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 2.315
 Chi-sq(4) P-val = 0.6780

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm4 imm6 imm7 imm8
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss

Anderson-Rubin Wald test Chi-sq(5)= 2.61 P-val=0.7604
 Stock-Wright LM S statistic Chi-sq(5)= 2.60 P-val=0.7606

NB: Underidentification, weak identification and weak-identification-robust
 test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(1, 11978) =	0.00
		Prob > F =	0.9698
Total (centered) SS	=	477.6802208	
Total (uncentered) SS	=	477.6802208	
Residual SS	=	477.6811179	
		Centered R2 =	-0.0000
		Uncentered R2 =	-0.0000
		Root MSE =	.1993

twproll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	-.0000315	.0008299	-0.04	0.970	-.0016581 .0015952

Underidentification test (Kleibergen-Paap rk LM statistic): 7541.705
 Chi-sq(5) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.0e+04
 (Kleibergen-Paap rk Wald F statistic): 6.9e+04

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	18.37
10% maximal IV relative bias	10.83
20% maximal IV relative bias	6.77
30% maximal IV relative bias	5.25
10% maximal IV size	26.87
15% maximal IV size	15.09
20% maximal IV size	10.98
25% maximal IV size	8.84

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 2.605
 Chi-sq(4) P-val = 0.6260

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm4 imm6 imm7 imm8
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss

Anderson-Rubin Wald test Chi-sq(5)= 2.34 P-val=0.8001
 Stock-Wright LM S statistic Chi-sq(5)= 2.34 P-val=0.8003

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(1, 11978) =	0.00
		Prob > F =	0.9676
Total (centered) SS	=	758.384526	
Total (uncentered) SS	=	758.384526	
Residual SS	=	758.3816922	
		Centered R2 =	0.0000
		Uncentered R2 =	0.0000
		Root MSE =	.2512

twproll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	.000042	.0010313	0.04	0.968	-.0019793 .0020633

Underidentification test (Kleibergen-Paap rk LM statistic): 7541.705
 Chi-sq(5) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.0e+04
 (Kleibergen-Paap rk Wald F statistic): 6.9e+04

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.37
 10% maximal IV relative bias 10.83
 20% maximal IV relative bias 6.77
 30% maximal IV relative bias 5.25
 10% maximal IV size 26.87
 15% maximal IV size 15.09
 20% maximal IV size 10.98
 25% maximal IV size 8.84

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 2.337
 Chi-sq(4) P-val = 0.6740

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm4 imm6 imm7 imm8
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss

Anderson-Rubin Wald test Chi-sq(5)= 3.46 P-val=0.6297
 Stock-Wright LM S statistic Chi-sq(5)= 3.46 P-val=0.6301

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(1, 11978) =	1.08
		Prob > F =	0.2987
Total (centered) SS	=	1155.391478	
Total (uncentered) SS	=	1155.391478	
Residual SS	=	1155.168317	
		Centered R2 =	0.0002
		Uncentered R2 =	0.0002
		Root MSE =	.31

twproll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	.0013019	.0012504	1.04	0.298	-.0011489 .0037527

Underidentification test (Kleibergen-Paap rk LM statistic): 7541.705
 Chi-sq(5) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.0e+04
 (Kleibergen-Paap rk Wald F statistic): 6.9e+04

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.37
 10% maximal IV relative bias 10.83
 20% maximal IV relative bias 6.77
 30% maximal IV relative bias 5.25
 10% maximal IV size 26.87
 15% maximal IV size 15.09
 20% maximal IV size 10.98
 25% maximal IV size 8.84

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 2.443
 Chi-sq(4) P-val = 0.6549

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm4 imm6 imm7 imm8
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss

Anderson-Rubin Wald test Chi-sq(5)= 11.72 P-val=0.0388
 Stock-Wright LM S statistic Chi-sq(5)= 11.69 P-val=0.0393

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(1, 11978) =	10.45
		Prob > F =	0.0012
Total (centered) SS	=	282.2990563	
Total (uncentered) SS	=	282.2990563	
Residual SS	=	282.0267508	
		Centered R2 =	0.0010
		Uncentered R2 =	0.0010
		Root MSE =	.1532

srvroll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0021491	.0006635	-3.24	0.001	-.0034495	-.0008486

Underidentification test (Kleibergen-Paap rk LM statistic): 7541.705
 Chi-sq(5) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.0e+04
 (Kleibergen-Paap rk Wald F statistic): 6.9e+04

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	18.37
10% maximal IV relative bias	10.83
20% maximal IV relative bias	6.77
30% maximal IV relative bias	5.25
10% maximal IV size	26.87
15% maximal IV size	15.09
20% maximal IV size	10.98
25% maximal IV size	8.84

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 1.092
 Chi-sq(4) P-val = 0.8955

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm4 imm6 imm7 imm8
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss

Anderson-Rubin Wald test Chi-sq(5)= 1.71 P-val=0.8872
 Stock-Wright LM S statistic Chi-sq(5)= 1.71 P-val=0.8874

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(1, 11978) =	1.39
		Prob > F =	0.2377
Total (centered) SS	=	390.0083144	
Total (uncentered) SS	=	390.0083144	
Residual SS	=	389.962372	
		Centered R2 =	0.0001
		Uncentered R2 =	0.0001
		Root MSE =	.1801

srvroll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0009074	.0007671	-1.18	0.237	-.0024109	.0005961

Underidentification test (Kleibergen-Paap rk LM statistic): 7541.705
 Chi-sq(5) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.0e+04
 (Kleibergen-Paap rk Wald F statistic): 6.9e+04

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.37
 10% maximal IV relative bias 10.83
 20% maximal IV relative bias 6.77
 30% maximal IV relative bias 5.25
 10% maximal IV size 26.87
 15% maximal IV size 15.09
 20% maximal IV size 10.98
 25% maximal IV size 8.84

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 0.365
 Chi-sq(4) P-val = 0.9852

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm4 imm6 imm7 imm8
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss

Anderson-Rubin Wald test Chi-sq(5)= 1.43 P-val=0.9212
 Stock-Wright LM S statistic Chi-sq(5)= 1.43 P-val=0.9213

NB: Underidentification, weak identification and weak-identification-robust test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023	
		F(1, 11978) =	0.57	
		Prob > F =	0.4515	
Total (centered) SS	=	371.3707503	Centered R2 =	0.0000
Total (uncentered) SS	=	371.3707503	Uncentered R2 =	0.0000
Residual SS	=	371.3658766	Root MSE =	.1757

srvroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	-.0005824	.000772	-0.75	0.451	-.0020955 .0009307

Underidentification test (Kleibergen-Paap rk LM statistic): 7541.705
 Chi-sq(5) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.0e+04
 (Kleibergen-Paap rk Wald F statistic): 6.9e+04

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.37
 10% maximal IV relative bias 10.83
 20% maximal IV relative bias 6.77
 30% maximal IV relative bias 5.25
 10% maximal IV size 26.87
 15% maximal IV size 15.09
 20% maximal IV size 10.98
 25% maximal IV size 8.84

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 0.970
 Chi-sq(4) P-val = 0.9143

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm4 imm6 imm7 imm8
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss

Anderson-Rubin Wald test Chi-sq(5)= 2.78 P-val=0.7335
 Stock-Wright LM S statistic Chi-sq(5)= 2.78 P-val=0.7339

NB: Underidentification, weak identification and weak-identification-robust
 test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(1, 11978) =	1.53
		Prob > F =	0.2167
Total (centered) SS	=	331.7158453	
Total (uncentered) SS	=	331.7158453	
Residual SS	=	331.6821456	
		Centered R2 =	0.0001
		Uncentered R2 =	0.0001
		Root MSE =	.1661

srvroll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	-.0009204	.0007436	-1.24	0.216	-.0023778 .000537

Underidentification test (Kleibergen-Paap rk LM statistic): 7541.705
 Chi-sq(5) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.0e+04
 (Kleibergen-Paap rk Wald F statistic): 6.9e+04

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.37
 10% maximal IV relative bias 10.83
 20% maximal IV relative bias 6.77
 30% maximal IV relative bias 5.25
 10% maximal IV size 26.87
 15% maximal IV size 15.09
 20% maximal IV size 10.98
 25% maximal IV size 8.84

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 1.439
 Chi-sq(4) P-val = 0.8374

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm4 imm6 imm7 imm8
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss

Anderson-Rubin Wald test Chi-sq(5)= 5.45 P-val=0.3635
 Stock-Wright LM S statistic Chi-sq(5)= 5.44 P-val=0.3649

NB: Underidentification, weak identification and weak-identification-robust
 test statistics heteroskedasticity-robust

Number of observations N = 12023
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 5
 Number of excluded instruments L1 = 5
 Number of partialled-out regressors/IVs = 44

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity

		Number of obs =	12023
		F(1, 11978) =	3.23
		Prob > F =	0.0724
Total (centered) SS	=	13321.29889	
Total (uncentered) SS	=	13321.29889	
Residual SS	=	13319.13517	
		Centered R2 =	0.0002
		Uncentered R2 =	0.0002
		Root MSE =	1.053

nstwl2	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	.0075366	.0041866	1.80	0.072	-.0006691 .0157422

Underidentification test (Kleibergen-Paap rk LM statistic): 7541.705
 Chi-sq(5) P-val = 0.0000

Weak identification test (Cragg-Donald Wald F statistic): 2.0e+04
 (Kleibergen-Paap rk Wald F statistic): 6.9e+04

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.37
 10% maximal IV relative bias 10.83
 20% maximal IV relative bias 6.77
 30% maximal IV relative bias 5.25
 10% maximal IV size 26.87
 15% maximal IV size 15.09
 20% maximal IV size 10.98
 25% maximal IV size 8.84

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 2.310
 Chi-sq(4) P-val = 0.6790

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm4 imm6 imm7 imm8
 Partialled-out: male tsd_age doage2 race_a race_b race_h race_i race_o
 race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp
 tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss
 tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5
 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004
 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
 ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd pial pia_miss


```

            ime1 ime_miss _cons
            nb: small-sample adjustments account for
                partialled-out variables
Dropped collinear:  gendermiss_flag doage2miss_flag
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH1NY_nounempny.xls
dir : seeout

```

```

.
. foreach covar of local enemplist {
2.     foreach v of local depen {
3.         di _n(2) as result `***phase 1 NO NY*** dependent variable: `v',
unemployment: `covar''
4.         ***phase 1 NO NY
.         ivreg2 `v' ``covar'' ( `endo' = `ph1nonyimm') if phasel_st_nony == 1,
cluster(tsd_state) ffirst partial ( ``c
> ovar'' )
5.
.         /*
>         ***chi2 test
>         test mototkt mmmmiss mmaft
>         local joint_chi2 = r(chi2)
>         local joint_pvalue = r(p)
>
>         test (mototkt+mmmmiss+mmaft)=0
>         local jointsum_chi2 = r(chi2)
>         local jointsum_pvalue = r(p) */
.
.         if "`v'" == "ldwroll12" {
6.             cap erase ``path'\IV_PH1NONY_`covar'.xls"
7.             cap erase ``path'\IV_PH1NONY_`covar'.txt"
8.         }
9.
.         outreg2 using ``path'\IV_PH1NONY_`covar'.xls", ///
>         keep( `endo' ) nocons sideways stats(coef se tstat) ///
>         bdec(4) sdec(3) tdec(2) noparen slow(100) ///
>         /* addstat(joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue'
, jointsum_chi2,`jointsum_chi2', jointsum_pvalue,`
> jointsum_pvalue') */
10.     } /* close loop for events */
11.
.
.     foreach v of local depen {
12.         di _n(2) as result `***phase 2*** dependent variable: `v', unemployment:
`covar''
13.         ***phase 2
.         ivreg2 `v' ``covar'' ( `endo' = `phase2imm') if phase2_st == 1,
cluster(tsd_state) ffirst partial ( ``covar'
> ')
14.
.         /*
>         ***chi2 test
>         test mototkt mmmmiss mmaft
>         local joint_chi2 = r(chi2)
>         local joint_pvalue = r(p)
>
>         test (mototkt+mmmmiss+mmaft)=0
>         local jointsum_chi2 = r(chi2)
>         local jointsum_pvalue = r(p) */
.
.         if "`v'" == "ldwroll12" {

```

```

15.             cap erase ``path'\IV_PH2_`covar'.xls''
16.             cap erase ``path'\IV_PH2_`covar'.txt''
17.         }
18.
.             outreg2 using ``path'\IV_PH2_`covar'.xls'',    ///
>             keep( `endo' ) ///
>             nocons   sideways stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen
slow(100) ///
>             /*   addstat(joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue'
,jointsum_chi2,`jointsum_chi2',jointsum_pvalue,`
> jointsum_pvalue') */
19.             } /* close loop for events */
20.
.
.             foreach v of local depen {
21.                 di _n(2) as result `***phase 3*** dependent variable: `v', unemployment:
`covar''
22.                 ***phase 3
.                 ivreg2 `v' ``covar'' (`endo' = `phase3imm') if phase3_st == 1,
cluster(tsd_state) ffirst partial ( ``covar''
> )
23.
.                 /*
>                 *** chi2 test
>                 test mototkt mmiss mmaft
>                 local joint_chi2 = r(chi2)
>                 local joint_pvalue = r(p)
>
>                 test (mototkt+mmiss+mmaft)=0
>                 local jointsum_chi2 = r(chi2)
>                 local jointsum_pvalue = r(p) */
.
.                 if "`v'" == "ldwroll12" {
24.                     cap erase ``path'\IV_PH3_`covar'.xls''
25.                     cap erase ``path'\IV_PH3_`covar'.txt''
26.                 }
27.
.                 outreg2 using ``path'\IV_PH3_`covar'.xls'',    ///
>                 keep( `endo' ) ///
>                 nocons   sideways stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen
slow(100) ///
>                 /*   addstat(joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue'
,jointsum_chi2,`jointsum_chi2',jointsum_pvalue,`jo
> intsum_pvalue') */
28.                 } /* close loop for events */
29.
.
.             foreach v of local depen {
30.                 di _n(2) as result `***phase 2 & phase 3*** dependent variable: `v',
unemployment: `covar''
31.                 ***phase 2 & phase 3
.                 ivreg2 `v' ``covar'' phase2_st (`endo' = `imm') if phase3_st == 1 |
phase2_st == 1, cluster(tsd_state) ffirst
> partial(`covar'')
32.
.                 /*
>                 *** chi2 test
>                 test mototkt mmiss mmaft
>                 local joint_chi2 = r(chi2)
>                 local joint_pvalue = r(p)
>
>                 test (mototkt+mmiss+mmaft)=0
>                 local jointsum_chi2 = r(chi2)

```

```

>         local jointsum_pvalue = r(p) */
.
.         if "`v'" == "ldwroll12" {
33.             cap erase `"'path'\IV_PH2_PH3_`covar'.xls"'
34.             cap erase `"'path'\IV_PH2_PH3_`covar'.txt"'
35.         }
36.
.         outreg2 using `"'path'\IV_PH2_PH3_`covar'.xls"',    ///
>         keep( `endo' phase2_st ) ///
>         nocons   sideways stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen
slow(100) ///
> /*         addstat(joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue'
,jointsum_chi2,`jointsum_chi2',jointsum_pvalue,`jo
> intsum_pvalue') */
37.         } /* close loop for events */
38.
.
.
. foreach v of local depen {
39.     di _n(2) as result `***phase 2 & phase 3 with interactions*** dependent
variable: `v', unemployment: `covar"'
40.         ***phase 2 & phase 3 with interaction
.         ivreg2 `v' phase2_st `covar'' (`endo' int_mototkt = `imm' `imm_int')
///
>         if phase3_st == 1 | phase2_st == 1, cluster(tsd_state) ffirst
partial(`covar'')
41.
.         /*
>         *** chi2 test
>         test mototkt mmiss mmaft int_mototkt
>         local joint_chi2 = r(chi2)
>         local joint_pvalue = r(p)
>
>         test (mototkt+mmiss+mmaft+int_mototkt)=0
>         local jointsum_chi2 = r(chi2)
>         local jointsum_pvalue = r(p) */
.
.         if "`v'" == "ldwroll12" {
42.             cap erase `"'path'\IV_PH2_PH3_interact_`covar'.xls"'
43.             cap erase `"'path'\IV_PH2_PH3_interact_`covar'.txt"'
44.         }
45.
.         outreg2 using `"'path'\IV_PH2_PH3_interact_`covar'.xls"',    ///
>         keep( `endo' int_mototkt phase2_st ) ///
>         nocons   sideways stats(coef se tstat) bdec(4) sdec(3) tdec(2) noparen
slow(100) ///
>         /*         addstat(joint_chi2,`joint_chi2',joint_pvalue,`joint_pvalue'
,jointsum_chi2,`jointsum_chi2',jointsum_pvalue,`
> jointsum_pvalue') */
46.         } /* close loop for events */
47. } /* close unemployment loop */

```

```

***phase 1 NO NY*** dependent variable: ldwroll12, unemployment: unemp
Warning - collinearities detected
Vars dropped:      st_ND st_NY

```

Summary results for first-stage regressions

```

-----
Variable      | F( 3, 49) P-val | AP Chi-sq( 3) P-val | AP F( 3, 49)

```

mototkt | 61440.80 0.0000 | 1.9e+05 0.0000 | 61440.80

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(3)=9.72 P-val=0.0211

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 80987.26

Kleibergen-Paap Wald rk F statistic 61440.80

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,49)= 0.66 P-val=0.5824

Anderson-Rubin Wald test Chi-sq(3)= 2.02 P-val=0.5691

Stock-Wright LM S statistic Chi-sq(3)= 1.86 P-val=0.6030

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 50

Number of observations N = 43043

Number of regressors K = 1

Number of endogenous regressors K1 = 1

Number of instruments L = 3

Number of excluded instruments L1 = 3

Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 49)	P-val	AP Chi-sq(3)	P-val
mototkt	61440.80	0.0000	1.9e+05	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(3)=9.72 P-val=0.0211

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 80987.26

Kleibergen-Paap Wald rk F statistic 61440.80

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,49)= 0.39 P-val=0.7581

Anderson-Rubin Wald test Chi-sq(3)= 1.21 P-val=0.7512

Stock-Wright LM S statistic Chi-sq(3)= 0.96 P-val=0.8098

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust	=	50
Number of observations	N	=	43043
Number of regressors	K	=	1
Number of endogenous regressors	K1	=	1
Number of instruments	L	=	3
Number of excluded instruments	L1	=	3
Number of partialled-out regressors/IVs		=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50 Number of obs = 43043
F(1, 49) = 0.47
Prob > F = 0.4962
Total (centered) SS = 1647.21535 Centered R2 = -0.0000
Total (uncentered) SS = 1647.21535 Uncentered R2 = -0.0000
Residual SS = 1647.229528 Root MSE = .1956

ldwroll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	-.0006436	.0009282	-0.69	0.488	-.0024628 .0011757

Underidentification test (Kleibergen-Paap rk LM statistic): 9.720
Chi-sq(3) P-val = 0.0211

Weak identification test (Cragg-Donald Wald F statistic): 8.1e+04
(Kleibergen-Paap rk Wald F statistic): 6.1e+04

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 13.91
10% maximal IV relative bias 9.08
20% maximal IV relative bias 6.46
30% maximal IV relative bias 5.39
10% maximal IV size 22.30
15% maximal IV size 12.83
20% maximal IV size 9.54
25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 0.433
Chi-sq(2) P-val = 0.8054

Instrumented: mototkt
Included instruments:
Excluded instruments: imm1 imm3 imm4
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1 ime_miss
_cons
nb: small-sample adjustments account for
partialled-out variables
Dropped collinear: st_ND st_NY

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH1NONY_unemp.xls
 dir : seeout

phase 1 NO NY dependent variable: ldwroll36, unemployment: unemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 49)	P-val	AP Chi-sq(3)	P-val
mototkt	61440.80	0.0000	1.9e+05	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(3)=9.72 P-val=0.0211

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 80987.26

Kleibergen-Paap Wald rk F statistic 61440.80

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,49)= 0.88 P-val=0.4585

Anderson-Rubin Wald test Chi-sq(3)= 2.70 P-val=0.4407

Stock-Wright LM S statistic Chi-sq(3)= 1.92 P-val=0.5892

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

```

Number of clusters          N_clust =      50
Number of observations      N =      43043
Number of regressors       K =      1
Number of endogenous regressors K1 =      1
Number of instruments       L =      3
Number of excluded instruments L1 =      3
Number of partialled-out regressors/IVs =      97
NB: K & L do not included partialled-out variables

```

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) =      50          Number of obs =      43043
                                                F( 1, 49) =      1.93
                                                Prob > F =      0.1714
Total (centered) SS = 2312.897037          Centered R2 = -0.0000
Total (uncentered) SS = 2312.897037      Uncentered R2 = -0.0000
Residual SS = 2312.913388                Root MSE =      .2318

```

```

-----
      |               Robust
      |               Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
      |               |
ldwroll136 |               |
mototkt |   -.0017779   .0012664    -1.40   0.160    - .00426   .0007043
-----+-----

```

```

Underidentification test (Kleibergen-Paap rk LM statistic):      9.720
                                                                Chi-sq(3) P-val =      0.0211
-----

```

```

Weak identification test (Cragg-Donald Wald F statistic):      8.1e+04
(Kleibergen-Paap rk Wald F statistic):      6.1e+04
Stock-Yogo weak ID test critical values:  5% maximal IV relative bias      13.91
                                           10% maximal IV relative bias      9.08
                                           20% maximal IV relative bias      6.46
                                           30% maximal IV relative bias      5.39
                                           10% maximal IV size      22.30
                                           15% maximal IV size      12.83
                                           20% maximal IV size      9.54
                                           25% maximal IV size      7.80

```

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments):      1.033
                                                                Chi-sq(2) P-val =      0.5965
-----

```

```

Instrumented:      mototkt
Included instruments:
Excluded instruments: imm1 imm3 imm4
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV

```

st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
 tsd_unemp_mean tsd_unemp_cng pial pia_miss imel ime_miss
 _cons

nb: small-sample adjustments account for
 partialled-out variables

Dropped collinear: st_ND st_NY

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH1NONY_unemp.xls
 dir : seeout

phase 1 NO NY dependent variable: ldwroll48, unemployment: unemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 49)	P-val	AP Chi-sq(3)	P-val
mototkt	61440.80	0.0000	1.9e+05	0.0000
				61440.80

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(3)=9.72 P-val=0.0211

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 80987.26
 Kleibergen-Paap Wald rk F statistic 61440.80

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(3,49)= 1.68 P-val=0.1826
 Anderson-Rubin Wald test Chi-sq(3)= 5.17 P-val=0.1599
 Stock-Wright LM S statistic Chi-sq(3)= 3.23 P-val=0.3575

NB: Underidentification, weak identification and weak-identification-robust
 test statistics cluster-robust

Number of clusters N_clust = 50
 Number of observations N = 43043
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 3
 Number of excluded instruments L1 = 3
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50 Number of obs = 43043
 F(1, 49) = 3.21
 Prob > F = 0.0793
 Total (centered) SS = 2817.473286 Centered R2 = -0.0000
 Total (uncentered) SS = 2817.473286 Uncentered R2 = -0.0000
 Residual SS = 2817.561455 Root MSE = .2559

ldwroll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0021327	.0011766	-1.81	0.070	-.0044388	.0001734

Underidentification test (Kleibergen-Paap rk LM statistic): 9.720
 Chi-sq(3) P-val = 0.0211

Weak identification test (Cragg-Donald Wald F statistic): 8.1e+04
 (Kleibergen-Paap rk Wald F statistic): 6.1e+04

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 13.91
 10% maximal IV relative bias 9.08
 20% maximal IV relative bias 6.46
 30% maximal IV relative bias 5.39
 10% maximal IV size 22.30
 15% maximal IV size 12.83
 20% maximal IV size 9.54
 25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 1.870
 Chi-sq(2) P-val = 0.3925

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm3 imm4
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1

```

tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1 ime_miss
_cons
nb: small-sample adjustments account for
    partialled-out variables

```

Dropped collinear: st_ND st_NY

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PhlNONY_unemp.xls
dir : seeout

```

```

***phase 1 NO NY*** dependent variable: eperoll12, unemployment: unemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

```

Summary results for first-stage regressions

```

-----
Variable | F( 3, 49) P-val | AP Chi-sq( 3) P-val | AP F( 3, 49)
mototkt | 61440.80 0.0000 | 1.9e+05 0.0000 | 61440.80

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

```

5% maximal IV relative bias 13.91
10% maximal IV relative bias 9.08
20% maximal IV relative bias 6.46
30% maximal IV relative bias 5.39
10% maximal IV size 22.30
15% maximal IV size 12.83
20% maximal IV size 9.54
25% maximal IV size 7.80

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(3)=9.72 P-val=0.0211

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 80987.26

Kleibergen-Paap Wald rk F statistic 61440.80

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

```

5% maximal IV relative bias 13.91
10% maximal IV relative bias 9.08
20% maximal IV relative bias 6.46
30% maximal IV relative bias 5.39

```


10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(3,49)=	0.31	P-val=0.8190
Anderson-Rubin Wald test	Chi-sq(3)=	0.95	P-val=0.8141
Stock-Wright LM S statistic	Chi-sq(3)=	0.84	P-val=0.8397

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	50
Number of observations	N =	43043
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	3
Number of excluded instruments	L1 =	3
Number of partialled-out regressors/IVs	=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(1, 49) =	0.68
		Prob > F =	0.4123
Total (centered) SS =	1065.046726	Centered R2 =	-0.0000
Total (uncentered) SS =	1065.046726	Uncentered R2 =	-0.0000
Residual SS =	1065.059809	Root MSE =	.1573

eperoll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	

mototkt	-.0006173	.0007383	-0.84	0.403	-.0020643	.0008296

Underidentification test (Kleibergen-Paap rk LM statistic): 9.720
 Chi-sq(3) P-val = 0.0211

Weak identification test (Cragg-Donald Wald F statistic): 8.1e+04
 (Kleibergen-Paap rk Wald F statistic): 6.1e+04

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	13.91
	10% maximal IV relative bias	9.08
	20% maximal IV relative bias	6.46
	30% maximal IV relative bias	5.39
	10% maximal IV size	22.30
	15% maximal IV size	12.83
	20% maximal IV size	9.54
	25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 0.336
 Chi-sq(2) P-val = 0.8454

```

-----
Instrumented:      mototkt
Included instruments:
Excluded instruments: imm1 imm3 imm4
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
                  st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
                  st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
                  tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1 ime_miss
                  _cons
                  nb: small-sample adjustments account for
                     partialled-out variables
Dropped collinear: st_ND st_NY
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PhlNONY_unemp.xls
dir : seeout

```

```

***phase 1 NO NY*** dependent variable: eperoll24, unemployment: unemp
Warning - collinearities detected
Vars dropped:      st_ND st_NY

```

Summary results for first-stage regressions

```

-----
Variable      | F( 3, 49) P-val | AP Chi-sq( 3) P-val | AP F( 3, 49)
mototkt      | 61440.80 0.0000 | 1.9e+05 0.0000 | 61440.80

```

NB: first-stage test statistics cluster-robust

```

Stock-Yogo weak ID test critical values for single endogenous regressor:
                    5% maximal IV relative bias 13.91
                    10% maximal IV relative bias 9.08
                    20% maximal IV relative bias 6.46
                    30% maximal IV relative bias 5.39
                    10% maximal IV size 22.30
                    15% maximal IV size 12.83
                    20% maximal IV size 9.54
                    25% maximal IV size 7.80

```

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

Underidentification test
Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
Ha: matrix has rank=K1 (identified)
Kleibergen-Paap rk LM statistic      Chi-sq(3)=9.72      P-val=0.0211

```

```

Weak identification test
Ho: equation is weakly identified

```

Cragg-Donald Wald F statistic 80987.26
 Kleibergen-Paap Wald rk F statistic 61440.80

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(3,49)=	1.04	P-val=0.3814
Anderson-Rubin Wald test	Chi-sq(3)=	3.20	P-val=0.3613
Stock-Wright LM S statistic	Chi-sq(3)=	2.57	P-val=0.4629

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	50
Number of observations	N =	43043
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	3
Number of excluded instruments	L1 =	3
Number of partialled-out regressors/IVs	=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(1, 49) =	2.75
		Prob > F =	0.1035
Total (centered) SS =	1910.843553	Centered R2 =	-0.0000
Total (uncentered) SS =	1910.843553	Uncentered R2 =	-0.0000
Residual SS =	1910.859749	Root MSE =	.2107

eperoll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	

mototkt	-.0011636	.0006936	-1.68	0.093	-.0025231	.0001958

Underidentification test (Kleibergen-Paap rk LM statistic): 9.720
 Chi-sq(3) P-val = 0.0211

Weak identification test (Cragg-Donald Wald F statistic): 8.1e+04
 (Kleibergen-Paap rk Wald F statistic): 6.1e+04

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 13.91
 10% maximal IV relative bias 9.08
 20% maximal IV relative bias 6.46
 30% maximal IV relative bias 5.39
 10% maximal IV size 22.30

15% maximal IV size 12.83
 20% maximal IV size 9.54
 25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 0.678
 Chi-sq(2) P-val = 0.7126

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm3 imm4
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
 tsd_unemp_mean tsd_unemp_cng pial pia_miss imel ime_miss
 _cons
 nb: small-sample adjustments account for
 partialled-out variables
 Dropped collinear: st_ND st_NY

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH1NONY_unemp.xls
 dir : seeout

phase 1 NO NY dependent variable: eperoll36, unemployment: unemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(3, 49)	P-val	AP Chi-sq(3)	P-val	AP F(3, 49)	
mototkt	61440.80	0.0000	1.9e+05	0.0000	61440.80	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.


```

-----
Weak identification test (Cragg-Donald Wald F statistic):      8.1e+04
      (Kleibergen-Paap rk Wald F statistic):      6.1e+04
Stock-Yogo weak ID test critical values:  5% maximal IV relative bias  13.91
                                          10% maximal IV relative bias   9.08
                                          20% maximal IV relative bias   6.46
                                          30% maximal IV relative bias   5.39
                                          10% maximal IV size           22.30
                                          15% maximal IV size           12.83
                                          20% maximal IV size           9.54
                                          25% maximal IV size           7.80

```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments):      0.527
                                                                    Chi-sq(2) P-val =      0.7683
-----

```

```

Instrumented:      mototkt
Included instruments:
Excluded instruments: imm1 imm3 imm4
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
                  st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
                  st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
                  tsd_unemp_mean tsd_unemp_cng pial pia_miss imel ime_miss
                  _cons
                  nb: small-sample adjustments account for
                      partialled-out variables
Dropped collinear:  st_ND st_NY
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PhlNONY_unemp.xls
dir : seeout

```

```

***phase 1 NO NY*** dependent variable: eperoll48, unemployment: unemp
Warning - collinearities detected
Vars dropped:      st_ND st_NY

```

Summary results for first-stage regressions

```

-----
Variable      | F( 3, 49) P-val | AP Chi-sq( 3) P-val | AP F( 3, 49)
mototkt      | 61440.80 0.0000 | 1.9e+05 0.0000 | 61440.80

```

NB: first-stage test statistics cluster-robust

```

Stock-Yogo weak ID test critical values for single endogenous regressor:
      5% maximal IV relative bias  13.91
      10% maximal IV relative bias   9.08

```



```

-----
      |               Robust
      |               Coef.   Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
mototkt |   -.0011887   .0013394   -0.89   0.375   -.0038139   .0014364
-----

```

```

Underidentification test (Kleibergen-Paap rk LM statistic):          9.720
                                                                Chi-sq(3) P-val =    0.0211
-----

```

```

Weak identification test (Cragg-Donald Wald F statistic):          8.1e+04
(Kleibergen-Paap rk Wald F statistic):          6.1e+04
-----

```

```

Stock-Yogo weak ID test critical values:  5% maximal IV relative bias  13.91
                                           10% maximal IV relative bias   9.08
                                           20% maximal IV relative bias   6.46
                                           30% maximal IV relative bias   5.39
                                           10% maximal IV size            22.30
                                           15% maximal IV size            12.83
                                           20% maximal IV size            9.54
                                           25% maximal IV size            7.80
-----

```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments):    0.446
                                                                Chi-sq(2) P-val =    0.7999
-----

```

```

Instrumented:      mototkt
Included instruments:
Excluded instruments: imm1 imm3 imm4
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
                  st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
                  st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
                  tsd_unemp_mean tsd_unemp_cng pial pia_miss imel ime_miss
                  _cons
                  nb: small-sample adjustments account for
                      partialled-out variables
Dropped collinear: st_ND st_NY
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH1NONY_unemp.xls
dir : seeout

```

```

***phase 1 NO NY*** dependent variable: twproll12, unemployment: unemp
Warning - collinearities detected
Vars dropped:      st_ND st_NY

```

Summary results for first-stage regressions

```

-----
                                (Underid)                                (Weak id)
-----

```



```

Number of clusters (tsd_state) =      50                Number of obs =      43043
                                                    F( 1, 49) =      1.75
                                                    Prob > F      =      0.1922
Total (centered) SS      = 1709.382823                Centered R2      =      0.0000
Total (uncentered) SS   = 1709.382823                Uncentered R2   =      0.0000
Residual SS              = 1709.361627                Root MSE        =      .1993

```

```

-----
twproll12 |          Coef.      Robust      z    P>|z|      [95% Conf. Interval]
-----+-----
mototkt   |  -.0007839   .0005862   -1.34   0.181   -.0019328   .000365
-----

```

```

Underidentification test (Kleibergen-Paap rk LM statistic):      9.720
Chi-sq(3) P-val =      0.0211
-----

```

```

Weak identification test (Cragg-Donald Wald F statistic):      8.1e+04
(Kleibergen-Paap rk Wald F statistic):      6.1e+04
Stock-Yogo weak ID test critical values:  5% maximal IV relative bias  13.91
                                           10% maximal IV relative bias   9.08
                                           20% maximal IV relative bias   6.46
                                           30% maximal IV relative bias   5.39
                                           10% maximal IV size            22.30
                                           15% maximal IV size            12.83
                                           20% maximal IV size            9.54
                                           25% maximal IV size            7.80

```

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments):      3.057
Chi-sq(2) P-val =      0.2169
-----

```

```

Instrumented:      mototkt
Included instruments:
Excluded instruments: imm1 imm3 imm4
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1 ime_miss
_cons
nb: small-sample adjustments account for
partialled-out variables
Dropped collinear: st_ND st_NY
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PHNONY_unemp.xls
dir : seeout

```

phase 1 NO NY dependent variable: twproll24, unemployment: unemp

Warning - collinearities detected
 Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(3, 49)	P-val	AP Chi-sq(3)	P-val	AP F(3, 49)	
mototkt	61440.80	0.0000	1.9e+05	0.0000	61440.80	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(3)=9.72 P-val=0.0211

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 80987.26

Kleibergen-Paap Wald rk F statistic 61440.80

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,49)= 0.08 P-val=0.9717

Anderson-Rubin Wald test Chi-sq(3)= 0.24 P-val=0.9711

Stock-Wright LM S statistic Chi-sq(3)= 0.23 P-val=0.9733

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	50
Number of observations	N =	43043
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	3
Number of excluded instruments	L1 =	3

Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(1, 49) =	0.08
		Prob > F =	0.7735
Total (centered) SS =	2755.088407	Centered R2 =	-0.0000
Total (uncentered) SS =	2755.088407	Uncentered R2 =	-0.0000
Residual SS =	2755.100221	Root MSE =	.253

twproll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0003791	.0012954	-0.29	0.770	-.002918	.0021598

Underidentification test (Kleibergen-Paap rk LM statistic): 9.720
 Chi-sq(3) P-val = 0.0211

Weak identification test (Cragg-Donald Wald F statistic): 8.1e+04
 (Kleibergen-Paap rk Wald F statistic): 6.1e+04
 Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 0.187
 Chi-sq(2) P-val = 0.9107

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm3 imm4
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
 tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1 ime_miss
 _cons
 nb: small-sample adjustments account for
 partialled-out variables
 Dropped collinear: st_ND st_NY

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH1NONY_unemp.xls
 dir : seeout

phase 1 NO NY dependent variable: twproll36, unemployment: unemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 49)	P-val	AP Chi-sq(3)	P-val
mototkt	61440.80	0.0000	1.9e+05	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(3)=9.72 P-val=0.0211

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 80987.26

Kleibergen-Paap Wald rk F statistic 61440.80

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,49)= 0.16 P-val=0.9218

Anderson-Rubin Wald test Chi-sq(3)= 0.50 P-val=0.9199

Stock-Wright LM S statistic Chi-sq(3)= 0.40 P-val=0.9394

NB: Underidentification, weak identification and weak-identification-robust

test statistics cluster-robust

Number of clusters N_clust = 50
 Number of observations N = 43043
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 3
 Number of excluded instruments L1 = 3
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(1, 49) =	0.01
		Prob > F =	0.9375
Total (centered) SS =	3526.097455	Centered R2 =	-0.0000
Total (uncentered) SS =	3526.097455	Uncentered R2 =	-0.0000
Residual SS =	3526.104221	Root MSE =	.2862

twproll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.000122	.001531	-0.08	0.936	-.0031227	.0028787

Underidentification test (Kleibergen-Paap rk LM statistic): 9.720
 Chi-sq(3) P-val = 0.0211

Weak identification test (Cragg-Donald Wald F statistic): 8.1e+04
 (Kleibergen-Paap rk Wald F statistic): 6.1e+04

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 0.387
 Chi-sq(2) P-val = 0.8240

 Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm3 imm4
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN

st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
 tsd_unemp_mean tsd_unemp_cng pial pia_miss imel ime_miss
 _cons

nb: small-sample adjustments account for
 partialled-out variables

Dropped collinear: st_ND st_NY

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH1NONY_unemp.xls
 dir : seeout

phase 1 NO NY dependent variable: twproll48, unemployment: unemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 49)	P-val	AP Chi-sq(3)	P-val
mototkt	61440.80	0.0000	1.9e+05	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(3)=9.72 P-val=0.0211

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 80987.26
 Kleibergen-Paap Wald rk F statistic 61440.80

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(3,49)=	0.04	P-val=0.9879
Anderson-Rubin Wald test	Chi-sq(3)=	0.13	P-val=0.9877
Stock-Wright LM S statistic	Chi-sq(3)=	0.14	P-val=0.9865

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	50
Number of observations	N =	43043
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	3
Number of excluded instruments	L1 =	3
Number of partialled-out regressors/IVs	=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(1, 49) =	0.05
		Prob > F =	0.8315
Total (centered) SS =	4094.009003	Centered R2 =	0.0000
Total (uncentered) SS =	4094.009003	Uncentered R2 =	0.0000
Residual SS =	4093.984997	Root MSE =	.3084

twproll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	.0004136	.001912	0.22	0.829	-.0033339	.0041611

Underidentification test (Kleibergen-Paap rk LM statistic): 9.720
Chi-sq(3) P-val = 0.0211

Weak identification test (Cragg-Donald Wald F statistic): 8.1e+04
(Kleibergen-Paap rk Wald F statistic): 6.1e+04

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 0.110
Chi-sq(2) P-val = 0.9466

Instrumented: mototkt
Included instruments:
Excluded instruments: imm1 imm3 imm4
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis


```

tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1 ime_miss
_cons
nb: small-sample adjustments account for
    partialled-out variables

```

Dropped collinear: st_ND st_NY

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PhlNONY_unemp.xls
dir : seeout

```

```

***phase 1 NO NY*** dependent variable: srvroll12, unemployment: unemp
Warning - collinearities detected
Vars dropped:      st_ND st_NY

```

Summary results for first-stage regressions

```

-----
Variable      | F( 3, 49) P-val | AP Chi-sq( 3) P-val | AP F( 3, 49)
mototkt      | 61440.80 0.0000 | 1.9e+05 0.0000 | 61440.80

```

NB: first-stage test statistics cluster-robust

```

Stock-Yogo weak ID test critical values for single endogenous regressor:
    5% maximal IV relative bias 13.91
    10% maximal IV relative bias 9.08
    20% maximal IV relative bias 6.46
    30% maximal IV relative bias 5.39
    10% maximal IV size 22.30
    15% maximal IV size 12.83
    20% maximal IV size 9.54
    25% maximal IV size 7.80

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(3)=9.72 P-val=0.0211

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 80987.26

Kleibergen-Paap Wald rk F statistic 61440.80

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

```

    5% maximal IV relative bias 13.91
    10% maximal IV relative bias 9.08
    20% maximal IV relative bias 6.46

```

30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(3,49)=	0.73	P-val=0.5383
Anderson-Rubin Wald test	Chi-sq(3)=	2.24	P-val=0.5234
Stock-Wright LM S statistic	Chi-sq(3)=	2.10	P-val=0.5510

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	50
Number of observations	N =	43043
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	3
Number of excluded instruments	L1 =	3
Number of partialled-out regressors/IVs	=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(1, 49) =	0.45
		Prob > F =	0.5057
Total (centered) SS =	1074.129533	Centered R2 =	0.0000
Total (uncentered) SS =	1074.129533	Uncentered R2 =	0.0000
Residual SS =	1074.088784	Root MSE =	.158

-----+-----		Robust				
srvroll12	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.000547	.0008067	-0.68	0.498	-.0021281	.0010342

Underidentification test (Kleibergen-Paap rk LM statistic): 9.720
 Chi-sq(3) P-val = 0.0211

Weak identification test (Cragg-Donald Wald F statistic): 8.1e+04
 (Kleibergen-Paap rk Wald F statistic): 6.1e+04

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

-----+-----
 Hansen J statistic (overidentification test of all instruments): 2.219

Chi-sq(2) P-val = 0.3297

```

-----
Instrumented:      mototkt
Included instruments:
Excluded instruments: imm1 imm3 imm4
Partialled-out:  male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
                  st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
                  st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
                  tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1 ime_miss
                  _cons
                  nb: small-sample adjustments account for
                     partialled-out variables
Dropped collinear: st_ND st_NY
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PhlNONY_unemp.xls
dir : seeout

```

```

***phase 1 NO NY*** dependent variable: srvroll24, unemployment: unemp
Warning - collinearities detected
Vars dropped:      st_ND st_NY

```

Summary results for first-stage regressions

```

-----

```

Variable	F(3, 49)	P-val	(Underid) AP Chi-sq(3) P-val	(Weak id) AP F(3, 49)
mototkt	61440.80	0.0000	1.9e+05 0.0000	61440.80

NB: first-stage test statistics cluster-robust

```

Stock-Yogo weak ID test critical values for single endogenous regressor:
                    5% maximal IV relative bias    13.91
                    10% maximal IV relative bias    9.08
                    20% maximal IV relative bias    6.46
                    30% maximal IV relative bias    5.39
                    10% maximal IV size             22.30
                    15% maximal IV size             12.83
                    20% maximal IV size             9.54
                    25% maximal IV size             7.80

```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

Underidentification test
Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
Ha: matrix has rank=K1 (identified)
Kleibergen-Paap rk LM statistic          Chi-sq(3)=9.72      P-val=0.0211

```

Weak identification test

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 80987.26
 Kleibergen-Paap Wald rk F statistic 61440.80

Stock-Yogo weak ID test critical values for K1=1 and L1=3:
 5% maximal IV relative bias 13.91
 10% maximal IV relative bias 9.08
 20% maximal IV relative bias 6.46
 30% maximal IV relative bias 5.39
 10% maximal IV size 22.30
 15% maximal IV size 12.83
 20% maximal IV size 9.54
 25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(3,49)= 0.15 P-val=0.9293
 Anderson-Rubin Wald test Chi-sq(3)= 0.46 P-val=0.9276
 Stock-Wright LM S statistic Chi-sq(3)= 0.44 P-val=0.9316

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 50
 Number of observations N = 43043
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 3
 Number of excluded instruments L1 = 3
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50 Number of obs = 43043
 F(1, 49) = 0.25
 Prob > F = 0.6194
 Total (centered) SS = 1372.248371 Centered R2 = 0.0000
 Total (uncentered) SS = 1372.248371 Uncentered R2 = 0.0000
 Residual SS = 1372.224916 Root MSE = .1786

```

-----
      |               Robust
      |               Coef.   Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
  srvroll24 |
      |               |
  mototkt | -0.0004893   .0009678   -0.51   0.613   -0.0023861   .0014075
-----+-----

```

Underidentification test (Kleibergen-Paap rk LM statistic): 9.720
 Chi-sq(3) P-val = 0.0211

Weak identification test (Cragg-Donald Wald F statistic): 8.1e+04
 (Kleibergen-Paap rk Wald F statistic): 6.1e+04

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 13.91
 10% maximal IV relative bias 9.08
 20% maximal IV relative bias 6.46
 30% maximal IV relative bias 5.39

10% maximal IV size 22.30
 15% maximal IV size 12.83
 20% maximal IV size 9.54
 25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 0.281
 Chi-sq(2) P-val = 0.8691

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm3 imm4
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
 tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1 ime_miss
 _cons
 nb: small-sample adjustments account for
 partialled-out variables
 Dropped collinear: st_ND st_NY

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH1NONY_unemp.xls
 dir : seeout

phase 1 NO NY dependent variable: srvroll36, unemployment: unemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 49)	P-val	AP Chi-sq(3)	P-val
mototkt	61440.80	0.0000	1.9e+05	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias 13.91
 10% maximal IV relative bias 9.08
 20% maximal IV relative bias 6.46
 30% maximal IV relative bias 5.39
 10% maximal IV size 22.30
 15% maximal IV size 12.83
 20% maximal IV size 9.54
 25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(3)=9.72 P-val=0.0211

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 80987.26

Kleibergen-Paap Wald rk F statistic 61440.80

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,49)= 1.21 P-val=0.3156

Anderson-Rubin Wald test Chi-sq(3)= 3.72 P-val=0.2938

Stock-Wright LM S statistic Chi-sq(3)= 3.30 P-val=0.3482

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 50
 Number of observations N = 43043
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 3
 Number of excluded instruments L1 = 3
 Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50 Number of obs = 43043
 F(1, 49) = 2.62
 Prob > F = 0.1118
 Total (centered) SS = 1386.850622 Centered R2 = 0.0001
 Total (uncentered) SS = 1386.850622 Uncentered R2 = 0.0001
 Residual SS = 1386.748358 Root MSE = .1795

```

-----
      |               Robust
      |               Coef.   Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
  srvroll136 |
  mototkt | - .0017269   .0010545   -1.64   0.102   -.0037937   .00034
-----

```

Underidentification test (Kleibergen-Paap rk LM statistic): 9.720

```

Chi-sq(3) P-val = 0.0211
-----
Weak identification test (Cragg-Donald Wald F statistic): 8.1e+04
(Kleibergen-Paap rk Wald F statistic): 6.1e+04
Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 13.91
10% maximal IV relative bias 9.08
20% maximal IV relative bias 6.46
30% maximal IV relative bias 5.39
10% maximal IV size 22.30
15% maximal IV size 12.83
20% maximal IV size 9.54
25% maximal IV size 7.80

```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments): 0.952
Chi-sq(2) P-val = 0.6214
-----

```

```

Instrumented:      mototkt
Included instruments:
Excluded instruments: imm1 imm3 imm4
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
tsd_unemp_mean tsd_unemp_cng pial pia_miss imel ime_miss
_cons
nb: small-sample adjustments account for
partialled-out variables
Dropped collinear: st_ND st_NY
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH1NONY_unemp.xls
dir : seeout

```

```

***phase 1 NO NY*** dependent variable: srvroll48, unemployment: unemp
Warning - collinearities detected
Vars dropped:      st_ND st_NY

```

Summary results for first-stage regressions

```

-----
Variable      | F( 3, 49) P-val | AP Chi-sq( 3) P-val | AP F( 3, 49)
mototkt      | 61440.80 0.0000 | 1.9e+05 0.0000 | 61440.80

```

NB: first-stage test statistics cluster-robust

```

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias 13.91

```



```
-----
```

srvroll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0008392	.0010921	-0.77	0.442	-.0029796	.0013013

```
-----
```

Underidentification test (Kleibergen-Paap rk LM statistic): 9.720
Chi-sq(3) P-val = 0.0211

Weak identification test (Cragg-Donald Wald F statistic): 8.1e+04
(Kleibergen-Paap rk Wald F statistic): 6.1e+04

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 3.739
Chi-sq(2) P-val = 0.1542

```
-----
```

Instrumented: mototkt

Included instruments:

Excluded instruments: imm1 imm3 imm4

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss imel ime_miss _cons

nb: small-sample adjustments account for partialled-out variables

Dropped collinear: st_ND st_NY

```
-----
```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV_PH1NONY_unemp.xls
dir : seeout

phase 1 NO NY dependent variable: nstwl2, unemployment: unemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

Summary results for first-stage regressions

```
-----
```


Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	50	Number of obs =	43043
		F(1, 49) =	0.15
		Prob > F =	0.6980
Total (centered) SS =	54492.20338	Centered R2 =	0.0000
Total (uncentered) SS =	54492.20338	Uncentered R2 =	0.0000
Residual SS =	54491.92041	Root MSE =	1.125

```

-----
      |               Robust
      |               Coef.   Std. Err.      z    P>|z|      [95% Conf. Interval]
-----+-----
mototkt |   -.0021655   .0054857   -0.39   0.693   -.0129173   .0085863
-----+-----

```

Underidentification test (Kleibergen-Paap rk LM statistic): 9.720
Chi-sq(3) P-val = 0.0211

Weak identification test (Cragg-Donald Wald F statistic): 8.1e+04
(Kleibergen-Paap rk Wald F statistic): 6.1e+04

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 0.950
Chi-sq(2) P-val = 0.6219

```

-----
Instrumented:      mototkt
Included instruments:
Excluded instruments: imm1 imm3 imm4
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
                  st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
                  st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
                  tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1 ime_miss
                  _cons
                  nb: small-sample adjustments account for
                     partialled-out variables
Dropped collinear: st_ND st_NY
-----

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PhlNONY_unemp.xls
dir : seeout

phase 1 NO NY dependent variable: nstw24, unemployment: unemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 49)	P-val	AP Chi-sq(3)	P-val
mototkt	61440.80	0.0000	1.9e+05	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(3)=9.72 P-val=0.0211

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 80987.26

Kleibergen-Paap Wald rk F statistic 61440.80

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,49)= 1.11 P-val=0.3556

Anderson-Rubin Wald test Chi-sq(3)= 3.39 P-val=0.3347

Stock-Wright LM S statistic Chi-sq(3)= 1.86 P-val=0.6025

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	50
Number of observations	N =	43043
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	3

Dropped collinear: st_ND st_NY

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH1NONY_unemp.xls
dir : seeout

phase 1 NO NY dependent variable: nstw36, unemployment: unemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable | F(3, 49) P-val | (Underid) AP Chi-sq(3) P-val | (Weak id) AP F(3, 49)
mototkt | 61440.80 0.0000 | 1.9e+05 0.0000 | 61440.80

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias 13.91
10% maximal IV relative bias 9.08
20% maximal IV relative bias 6.46
30% maximal IV relative bias 5.39
10% maximal IV size 22.30
15% maximal IV size 12.83
20% maximal IV size 9.54
25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
Ha: matrix has rank=K1 (identified)
Kleibergen-Paap rk LM statistic Chi-sq(3)=9.72 P-val=0.0211

Weak identification test

Ho: equation is weakly identified
Cragg-Donald Wald F statistic 80987.26
Kleibergen-Paap Wald rk F statistic 61440.80

Stock-Yogo weak ID test critical values for K1=1 and L1=3:
5% maximal IV relative bias 13.91
10% maximal IV relative bias 9.08
20% maximal IV relative bias 6.46
30% maximal IV relative bias 5.39
10% maximal IV size 22.30
15% maximal IV size 12.83
20% maximal IV size 9.54
25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
Ho: B1=0 and orthogonality conditions are valid
Anderson-Rubin Wald test F(3,49)= 0.88 P-val=0.4560
Anderson-Rubin Wald test Chi-sq(3)= 2.71 P-val=0.4382
Stock-Wright LM S statistic Chi-sq(3)= 1.62 P-val=0.6558

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

```

Number of clusters          N_clust =          50
Number of observations      N =        43043
Number of regressors       K =          1
Number of endogenous regressors K1 =          1
Number of instruments      L =          3
Number of excluded instruments L1 =          3
Number of partialled-out regressors/IVs =          97

```

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) =          50          Number of obs =        43043
                                                F( 1, 49) =          0.23
                                                Prob > F =          0.6373
Total (centered) SS = 826702.9471          Centered R2 = -0.0000
Total (uncentered) SS = 826702.9471          Uncentered R2 = -0.0000
Residual SS = 826703.5061          Root MSE =          4.383

```

	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
nstw36						
mototkt	-.0088279	.0184013	-0.48	0.631	-.0448938	.027238

Underidentification test (Kleibergen-Paap rk LM statistic): 9.720
 Chi-sq(3) P-val = 0.0211

Weak identification test (Cragg-Donald Wald F statistic): 8.1e+04
 (Kleibergen-Paap rk Wald F statistic): 6.1e+04

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 1.599
 Chi-sq(2) P-val = 0.4495

```

Instrumented:          mototkt
Included instruments:
Excluded instruments: imm1 imm3 imm4
Partialled-out:      male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                    race_b race_h race_i race_o race_mis tsd_edu_hs
                    tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                    tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                    tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                    pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                    cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                    diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                    twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                    st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL

```

```

st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1 ime_miss
_cons
nb: small-sample adjustments account for
    partialled-out variables

```

Dropped collinear: st_ND st_NY

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PhlNONY_unemp.xls
dir : seeout

```

```

***phase 1 NO NY*** dependent variable: nstw48, unemployment: unemp
Warning - collinearities detected
Vars dropped:      st_ND st_NY

```

Summary results for first-stage regressions

```

-----
Variable      | F( 3, 49) P-val | AP Chi-sq( 3) P-val | AP F( 3, 49)
mototkt      | 61440.80 0.0000 | 1.9e+05 0.0000 | 61440.80

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

```

5% maximal IV relative bias 13.91
10% maximal IV relative bias 9.08
20% maximal IV relative bias 6.46
30% maximal IV relative bias 5.39
10% maximal IV size 22.30
15% maximal IV size 12.83
20% maximal IV size 9.54
25% maximal IV size 7.80

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(3)=9.72 P-val=0.0211

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 80987.26

Kleibergen-Paap Wald rk F statistic 61440.80

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

```

5% maximal IV relative bias 13.91
10% maximal IV relative bias 9.08
20% maximal IV relative bias 6.46
30% maximal IV relative bias 5.39
10% maximal IV size 22.30
15% maximal IV size 12.83
20% maximal IV size 9.54
25% maximal IV size 7.80

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,49)= 0.91 P-val=0.4451

Anderson-Rubin Wald test Chi-sq(3)= 2.78 P-val=0.4269

Stock-Wright LM S statistic Chi-sq(3)= 1.73 P-val=0.6303

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 50

Number of observations N = 43043

Number of regressors K = 1

Number of endogenous regressors K1 = 1

Number of instruments L = 3

Number of excluded instruments L1 = 3

Number of partialled-out regressors/IVs = 97

NB: K & L do not include partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 50

Number of obs = 43043

F(1, 49) = 0.45

Prob > F = 0.5047

Centered R2 = -0.0000

Uncentered R2 = -0.0000

Root MSE = 6.344

Total (centered) SS = 1732466.553

Total (uncentered) SS = 1732466.553

Residual SS = 1732474.739

nstw48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0189714	.0279122	-0.68	0.497	-.0736784	.0357356

Underidentification test (Kleibergen-Paap rk LM statistic): 9.720
Chi-sq(3) P-val = 0.0211

Weak identification test (Cragg-Donald Wald F statistic): 8.1e+04
(Kleibergen-Paap rk Wald F statistic): 6.1e+04

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 1.569
Chi-sq(2) P-val = 0.4563

Instrumented: mototkt

Included instruments:

Excluded instruments: imm1 imm3 imm4

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis tsd_edu_hs

tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY
 tsd_unemp_mean tsd_unemp_cng pial pia_miss imel ime_miss
 _cons
 nb: small-sample adjustments account for
 partialled-out variables

Dropped collinear: st_ND st_NY

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH1NONY_unemp.xls
 dir : seeout

phase 2 dependent variable: ldwroll12, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(9)	P-val	AP F(9, 51)	
mototkt	609.89	0.0000	5604.39	0.0000	609.89	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=14.74 P-val=0.0983

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 19018.04

Kleibergen-Paap Wald rk F statistic 609.89

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92

10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,51)=	1.04	P-val=0.4242
Anderson-Rubin Wald test	Chi-sq(9)=	9.53	P-val=0.3897
Stock-Wright LM S statistic	Chi-sq(9)=	5.39	P-val=0.7991

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	77128
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	9
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	77128
		F(1, 51) =	0.11
		Prob > F =	0.7440
Total (centered) SS =	1206.169594	Centered R2 =	-0.0000
Total (uncentered) SS =	1206.169594	Uncentered R2 =	-0.0000
Residual SS =	1206.170851	Root MSE =	.1251

ldwroll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0000798	.0002404	-0.33	0.740	-.0005509	.0003914

Underidentification test (Kleibergen-Paap rk LM statistic): 14.742
 Chi-sq(9) P-val = 0.0983

Weak identification test (Cragg-Donald Wald F statistic): 1.9e+04
 (Kleibergen-Paap rk Wald F statistic): 609.888

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	20.53
	10% maximal IV relative bias	11.46
	20% maximal IV relative bias	6.65
	30% maximal IV relative bias	4.92
	10% maximal IV size	36.19
	15% maximal IV size	19.71
	20% maximal IV size	14.01
	25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 4.943
 Chi-sq(8) P-val = 0.7637

```

-----
Instrumented:      mototkt
Included instruments:
Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
                  ime_miss _cons
                  nb: small-sample adjustments account for
                      partialled-out variables
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_unemp.xls
dir : seeout

```

phase 2 dependent variable: ldwroll24, unemployment: unemp

Summary results for first-stage regressions

```

-----
Variable      | F( 9, 51) P-val | (Underid) AP Chi-sq( 9) P-val | (Weak id) AP F( 9, 51)
mototkt      | 609.89 0.0000 | 5604.39 0.0000 | 609.89

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

```

5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=14.74 P-val=0.0983

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 19018.04

Kleibergen-Paap Wald rk F statistic 609.89

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,51)=	0.89	P-val=0.5365
Anderson-Rubin Wald test	Chi-sq(9)=	8.22	P-val=0.5118
Stock-Wright LM S statistic	Chi-sq(9)=	5.32	P-val=0.8057

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	77128
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	9
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	77128
		F(1, 51) =	1.00
		Prob > F =	0.3209
Total (centered) SS =	2273.732879	Centered R2 =	-0.0000
Total (uncentered) SS =	2273.732879	Uncentered R2 =	-0.0000
Residual SS =	2273.749979	Root MSE =	.1717

ldwroll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	-.0003328	.0003286	-1.01	0.311	-.0009769 .0003113

Underidentification test (Kleibergen-Paap rk LM statistic): 14.742
Chi-sq(9) P-val = 0.0983

Weak identification test (Cragg-Donald Wald F statistic): 1.9e+04
(Kleibergen-Paap rk Wald F statistic): 609.888

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	20.53
	10% maximal IV relative bias	11.46
	20% maximal IV relative bias	6.65
	30% maximal IV relative bias	4.92
	10% maximal IV size	36.19
	15% maximal IV size	19.71
	20% maximal IV size	14.01
	25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 5.188
 Chi-sq(8) P-val = 0.7373

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_unemp.xls
 dir : seeout

phase 2 dependent variable: ldwroll36, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 51)	P-val	AP Chi-sq(9)	P-val
mototkt	609.89	0.0000	5604.39	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(9)=14.74 P-val=0.0983

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 19018.04
 Kleibergen-Paap Wald rk F statistic 609.89

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,51)=	1.06	P-val=0.4053
Anderson-Rubin Wald test	Chi-sq(9)=	9.77	P-val=0.3694
Stock-Wright LM S statistic	Chi-sq(9)=	5.78	P-val=0.7613

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	77128
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	9
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs =		99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	77128
		F(1, 51) =	0.14
		Prob > F =	0.7073
Total (centered) SS =	3220.280627	Centered R2 =	-0.0000
Total (uncentered) SS =	3220.280627	Uncentered R2 =	-0.0000
Residual SS =	3220.298445	Root MSE =	.2043

ldwroll136	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]

mototkt	-.0001213	.000318	-0.38	0.703	-.0007445 .0005019

Underidentification test (Kleibergen-Paap rk LM statistic): 14.742
 Chi-sq(9) P-val = 0.0983

Weak identification test (Cragg-Donald Wald F statistic): 1.9e+04
 (Kleibergen-Paap rk Wald F statistic): 609.888

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65

30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 5.638
 Chi-sq(8) P-val = 0.6877

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_unemp.xls
 dir : seeout

phase 2 dependent variable: ldwroll48, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(9)	P-val	AP F(9, 51)	
mototkt	609.89	0.0000	5604.39	0.0000	609.89	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.


```

Weak identification test (Cragg-Donald Wald F statistic):          1.9e+04
(Kleibergen-Paap rk Wald F statistic):                          609.888
Stock-Yogo weak ID test critical values:  5% maximal IV relative bias  20.53
                                           10% maximal IV relative bias  11.46
                                           20% maximal IV relative bias   6.65
                                           30% maximal IV relative bias   4.92
                                           10% maximal IV size            36.19
                                           15% maximal IV size            19.71
                                           20% maximal IV size            14.01
                                           25% maximal IV size            11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments):    6.034
                                                                Chi-sq(8) P-val = 0.6434
-----

```

```

Instrumented:      mototkt
Included instruments:
Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss imel
                  ime_miss _cons
                  nb: small-sample adjustments account for
                     partialled-out variables
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_unemp.xls
dir : seeout

```

phase 2 dependent variable: eperoll12, unemployment: unemp

Summary results for first-stage regressions

```

-----
Variable      | F( 9, 51) P-val | AP Chi-sq( 9) P-val | AP F( 9, 51)
mototkt      | 609.89 0.0000 | 5604.39 0.0000 | 609.89
-----

```

NB: first-stage test statistics cluster-robust

```

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias  20.53
10% maximal IV relative bias  11.46
20% maximal IV relative bias   6.65
30% maximal IV relative bias   4.92
10% maximal IV size            36.19
15% maximal IV size            19.71

```

20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(9)=14.74 P-val=0.0983

Weak identification test

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 19018.04
 Kleibergen-Paap Wald rk F statistic 609.89

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,51)= 1.79 P-val=0.0936
 Anderson-Rubin Wald test Chi-sq(9)= 16.43 P-val=0.0585
 Stock-Wright LM S statistic Chi-sq(9)= 9.61 P-val=0.3833

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 77128
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 77128
 F(1, 51) = 1.02
 Prob > F = 0.3180
 Total (centered) SS = 1518.516831 Centered R2 = 0.0000
 Total (uncentered) SS = 1518.516831 Uncentered R2 = 0.0000
 Residual SS = 1518.506517 Root MSE = .1403

	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
eperoll12					

mototkt | .0003516 .0003451 1.02 0.308 -.0003247 .001028

Underidentification test (Kleibergen-Paap rk LM statistic): 14.742
Chi-sq(9) P-val = 0.0983

Weak identification test (Cragg-Donald Wald F statistic): 1.9e+04
(Kleibergen-Paap rk Wald F statistic): 609.888

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 7.695
Chi-sq(8) P-val = 0.4638

Instrumented: mototkt
Included instruments:
Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_unemp.xls
dir : seeout

phase 2 dependent variable: eperoll24, unemployment: unemp

Summary results for first-stage regressions

Variable | F(9, 51) P-val | (Underid) AP Chi-sq(9) P-val | (Weak id) AP F(9, 51)
mototkt | 609.89 0.0000 | 5604.39 0.0000 | 609.89

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias 20.53


```
-----
```

eperoll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	.0001622	.0004852	0.33	0.738	-.0007887	.0011131

```
-----
```

Underidentification test (Kleibergen-Paap rk LM statistic): 14.742
Chi-sq(9) P-val = 0.0983

Weak identification test (Cragg-Donald Wald F statistic): 1.9e+04
(Kleibergen-Paap rk Wald F statistic): 609.888

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 14.390
Chi-sq(8) P-val = 0.0721

```
-----
```

Instrumented: mototkt

Included instruments:

Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

```
-----
```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_unemp.xls
dir : seeout

phase 2 dependent variable: eperoll136, unemployment: unemp

Summary results for first-stage regressions

```
-----
```

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(9)	P-val	AP F(9, 51)	
mototkt	609.89	0.0000	5604.39	0.0000	609.89	

		F(1, 51) =	0.13	
		Prob > F =	0.7234	
Total (centered) SS	=	4173.699094	Centered R2 =	0.0000
Total (uncentered) SS	=	4173.699094	Uncentered R2 =	0.0000
Residual SS	=	4173.672126	Root MSE =	.2326

```
-----
```

	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
eperoll136						
mototkt	.0001974	.000549	0.36	0.719	-.0008787	.0012734

```
-----
```

Underidentification test (Kleibergen-Paap rk LM statistic): 14.742
Chi-sq(9) P-val = 0.0983

Weak identification test (Cragg-Donald Wald F statistic): 1.9e+04
(Kleibergen-Paap rk Wald F statistic): 609.888

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```
-----
```

Hansen J statistic (overidentification test of all instruments): 12.756
Chi-sq(8) P-val = 0.1205

```
-----
```

Instrumented: mototkt
Included instruments:
Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

```
-----
```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_unemp.xls
dir : seeout

phase 2 dependent variable: eperoll48, unemployment: unemp

Summary results for first-stage regressions

Number of partialled-out regressors/IVs = 99
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	77128
		F(1, 51) =	0.17
		Prob > F =	0.6836
Total (centered) SS =	2468.358053	Centered R2 =	0.0000
Total (uncentered) SS =	2468.358053	Uncentered R2 =	0.0000
Residual SS =	2468.335612	Root MSE =	.1789

twproll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	.0001541	.0003721	0.41	0.679	-.0005752	.0008833

Underidentification test (Kleibergen-Paap rk LM statistic): 14.742
 Chi-sq(9) P-val = 0.0983

Weak identification test (Cragg-Donald Wald F statistic): 1.9e+04
 (Kleibergen-Paap rk Wald F statistic): 609.888

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 5.020
 Chi-sq(8) P-val = 0.7555

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_unemp.xls
 dir : seeout

phase 2 dependent variable: twproll24, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 51)	P-val	AP Chi-sq(9)	P-val
mototkt	609.89	0.0000	5604.39	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=14.74 P-val=0.0983

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 19018.04

Kleibergen-Paap Wald rk F statistic 609.89

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 0.65 P-val=0.7529

Anderson-Rubin Wald test Chi-sq(9)= 5.93 P-val=0.7468

Stock-Wright LM S statistic Chi-sq(9)= 4.29 P-val=0.8913

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss _cons

nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_unemp.xls
 dir : seeout

phase 2 dependent variable: twproll48, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 51)	P-val	AP Chi-sq(9)	P-val
mototkt	609.89	0.0000	5604.39	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=14.74 P-val=0.0983

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 19018.04

Kleibergen-Paap Wald rk F statistic 609.89

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,51)= 1.02 P-val=0.4354
 Anderson-Rubin Wald test Chi-sq(9)= 9.39 P-val=0.4019
 Stock-Wright LM S statistic Chi-sq(9)= 6.82 P-val=0.6558

NB: Underidentification, weak identification and weak-identification-robust
 test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 77128
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 99
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 77128
 F(1, 51) = 0.00
 Prob > F = 0.9899
 Total (centered) SS = 6273.526932 Centered R2 = 0.0000
 Total (uncentered) SS = 6273.526932 Uncentered R2 = 0.0000
 Residual SS = 6273.523679 Root MSE = .2852

twproll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	6.44e-06	.0005009	0.01	0.990	-.0009753	.0009882

Underidentification test (Kleibergen-Paap rk LM statistic): 14.742
 Chi-sq(9) P-val = 0.0983

Weak identification test (Cragg-Donald Wald F statistic): 1.9e+04
 (Kleibergen-Paap rk Wald F statistic): 609.888

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 6.647
 Chi-sq(8) P-val = 0.5751

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1

```

tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_unemp.xls
dir : seeout

```

phase 2 dependent variable: srvroll12, unemployment: unemp

Summary results for first-stage regressions

```

-----
Variable          | F( 9, 51) P-val | AP Chi-sq( 9) P-val | AP F( 9, 51)
mototkt          | 609.89 0.0000 | 5604.39 0.0000 | 609.89

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

```

5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=14.74 P-val=0.0983

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 19018.04

Kleibergen-Paap Wald rk F statistic 609.89

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

```

5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01

```

25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 1.69 P-val=0.1158
Anderson-Rubin Wald test Chi-sq(9)= 15.53 P-val=0.0774
Stock-Wright LM S statistic Chi-sq(9)= 9.82 P-val=0.3653

NB: Underidentification, weak identification and weak-identification-robust
test statistics cluster-robust

Number of clusters N_clust = 52
Number of observations N = 77128
Number of regressors K = 1
Number of endogenous regressors K1 = 1
Number of instruments L = 9
Number of excluded instruments L1 = 9
Number of partialled-out regressors/IVs = 99
NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 77128
F(1, 51) = 6.76
Prob > F = 0.0122
Total (centered) SS = 1398.349751 Centered R2 = 0.0003
Total (uncentered) SS = 1398.349751 Uncentered R2 = 0.0003
Residual SS = 1397.943092 Root MSE = .1346

srvroll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0007586	.0002888	-2.63	0.009	-.0013246	-.0001925

Underidentification test (Kleibergen-Paap rk LM statistic): 14.742
Chi-sq(9) P-val = 0.0983

Weak identification test (Cragg-Donald Wald F statistic): 1.9e+04
(Kleibergen-Paap rk Wald F statistic): 609.888

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 4.396
Chi-sq(8) P-val = 0.8197

Instrumented: mototkt
Included instruments:

Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_unemp.xls
 dir : seeout

phase 2 dependent variable: srvroll24, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(9)	P-val	AP F(9, 51)	
mototkt	609.89	0.0000	5604.39	0.0000	609.89	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(9)=14.74 P-val=0.0983

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 19018.04
 Kleibergen-Paap Wald rk F statistic 609.89

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46

20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,51)=	2.77	P-val=0.0101
Anderson-Rubin Wald test	Chi-sq(9)=	25.47	P-val=0.0025
Stock-Wright LM S statistic	Chi-sq(9)=	14.72	P-val=0.0990

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	77128
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	9
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs =		99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	77128
		F(1, 51) =	5.83
		Prob > F =	0.0194
Total (centered) SS =	1791.396864	Centered R2 =	0.0002
Total (uncentered) SS =	1791.396864	Uncentered R2 =	0.0002
Residual SS =	1791.060695	Root MSE =	.1524

srvroll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	

mototkt	-.0007521	.0003083	-2.44	0.015	-.0013563	-.0001479

Underidentification test (Kleibergen-Paap rk LM statistic): 14.742
Chi-sq(9) P-val = 0.0983

Weak identification test (Cragg-Donald Wald F statistic): 1.9e+04
(Kleibergen-Paap rk Wald F statistic): 609.888

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	20.53
	10% maximal IV relative bias	11.46
	20% maximal IV relative bias	6.65
	30% maximal IV relative bias	4.92
	10% maximal IV size	36.19
	15% maximal IV size	19.71
	20% maximal IV size	14.01
	25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 10.228
 Chi-sq(8) P-val = 0.2494

 Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_unemp.xls
 dir : seeout

phase 2 dependent variable: srvroll36, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 51)	P-val	AP Chi-sq(9)	P-val
mototkt	609.89	0.0000	5604.39	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=14.74 P-val=0.0983

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 19018.04

Kleibergen-Paap Wald rk F statistic 609.89

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,51)=	1.49	P-val=0.1755
Anderson-Rubin Wald test	Chi-sq(9)=	13.73	P-val=0.1323
Stock-Wright LM S statistic	Chi-sq(9)=	8.43	P-val=0.4918

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	77128
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	9
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	77128
		F(1, 51) =	1.10
		Prob > F =	0.2987
Total (centered) SS =	1826.181702	Centered R2 =	0.0001
Total (uncentered) SS =	1826.181702	Uncentered R2 =	0.0001
Residual SS =	1826.059245	Root MSE =	.1539

srvroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.000349	.0003289	-1.06	0.289	-.0009937	.0002958

Underidentification test (Kleibergen-Paap rk LM statistic): 14.742
Chi-sq(9) P-val = 0.0983

Weak identification test (Cragg-Donald Wald F statistic): 1.9e+04
(Kleibergen-Paap rk Wald F statistic): 609.888

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	20.53
	10% maximal IV relative bias	11.46
	20% maximal IV relative bias	6.65
	30% maximal IV relative bias	4.92
	10% maximal IV size	36.19
	15% maximal IV size	19.71

20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 8.039
 Chi-sq(8) P-val = 0.4297

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_unemp.xls
 dir : seeout

phase 2 dependent variable: srvroll48, unemployment: unemp

Summary results for first-stage regressions

Variable	F(9, 51)	P-val	(Underid)	P-val	(Weak id)	F(9, 51)
mototkt	609.89	0.0000	AP Chi-sq(9)	5604.39	0.0000	609.89

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 7.090
 Chi-sq(8) P-val = 0.5270

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_unemp.xls
 dir : seeout

phase 2 dependent variable: nstwl2, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 51)	P-val	AP Chi-sq(9)	P-val
mototkt	609.89	0.0000	5604.39	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

Chi-sq(9) P-val = 0.0983

```

-----
Weak identification test (Cragg-Donald Wald F statistic):      1.9e+04
(Kleibergen-Paap rk Wald F statistic):                      609.888
Stock-Yogo weak ID test critical values:
5% maximal IV relative bias      20.53
10% maximal IV relative bias     11.46
20% maximal IV relative bias      6.65
30% maximal IV relative bias      4.92
10% maximal IV size              36.19
15% maximal IV size              19.71
20% maximal IV size              14.01
25% maximal IV size              11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments): 5.805
Chi-sq(8) P-val = 0.6691
-----

```

```

Instrumented:      mototkt
Included instruments:
Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
                  ime_miss _cons
                  nb: small-sample adjustments account for
                      partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_unemp.xls
dir : seeout

```

phase 2 dependent variable: nstw24, unemployment: unemp

Summary results for first-stage regressions

```

-----
Variable      | F( 9, 51) P-val | (Underid) AP Chi-sq( 9) P-val | (Weak id) AP F( 9, 51)
mototkt      | 609.89 0.0000 | 5604.39 0.0000 | 609.89

```

NB: first-stage test statistics cluster-robust

```

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias      20.53
10% maximal IV relative bias     11.46
20% maximal IV relative bias      6.65
30% maximal IV relative bias      4.92

```


nstw24	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	.0041916	.0043905	0.95	0.340	-.0044136	.0127968

Underidentification test (Kleibergen-Paap rk LM statistic): 14.742
Chi-sq(9) P-val = 0.0983

Weak identification test (Cragg-Donald Wald F statistic): 1.9e+04
(Kleibergen-Paap rk Wald F statistic): 609.888

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 7.300
Chi-sq(8) P-val = 0.5046

Instrumented: mototkt
Included instruments:
Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_unemp.xls
dir : seeout

phase 2 dependent variable: nstw36, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(9)	P-val	AP F(9, 51)	
mototkt	609.89	0.0000	5604.39	0.0000	609.89	

NB: first-stage test statistics cluster-robust

Total (uncentered) SS = 1188721.635 Uncentered R2 = 0.0000
 Residual SS = 1188717.192 Root MSE = 3.926

```
-----
      |               Robust
      |               Coef.   Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
mototkt |   .0045127   .0073619   0.61  0.540   -.0099164   .0189419
-----
```

Underidentification test (Kleibergen-Paap rk LM statistic): 14.742
 Chi-sq(9) P-val = 0.0983

Weak identification test (Cragg-Donald Wald F statistic): 1.9e+04
 (Kleibergen-Paap rk Wald F statistic): 609.888

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 5.040
 Chi-sq(8) P-val = 0.7533

```
-----
Instrumented:      mototkt
Included instruments:
Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
                  ime_miss _cons
                  nb: small-sample adjustments account for
                     partialled-out variables
-----
```

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_unemp.xls
 dir : seeout

phase 2 dependent variable: nstw48, unemployment: unemp

Summary results for first-stage regressions

```
-----
                                     (Underid)           (Weak id)
```


IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	114377
		F(1, 51) =	0.19
		Prob > F =	0.6643
Total (centered) SS =	1830.092013	Centered R2 =	-0.0000
Total (uncentered) SS =	1830.092013	Uncentered R2 =	-0.0000
Residual SS =	1830.098711	Root MSE =	.1265

	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
ldwroll12						
mototkt	-.0000737	.0001671	-0.44	0.659	-.0004011	.0002538

Underidentification test (Kleibergen-Paap rk LM statistic): 10.004
Chi-sq(9) P-val = 0.3502

Weak identification test (Cragg-Donald Wald F statistic): 3.1e+04
(Kleibergen-Paap rk Wald F statistic): 143.145

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 10.501
Chi-sq(8) P-val = 0.2316

Instrumented: mototkt
Included instruments:
Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH3_unemp.xls

dir : seeout

phase 3 dependent variable: ldwroll24, unemployment: unemp

Summary results for first-stage regressions

Variable	F(9, 51)	P-val	(Underid) AP Chi-sq(9)	P-val	(Weak id) AP F(9, 51)
mototkt	143.15	0.0000	1314.80	0.0000	143.15

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=10.00 P-val=0.3502

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 30668.14

Kleibergen-Paap Wald rk F statistic 143.15

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 2.54 P-val=0.0171

Anderson-Rubin Wald test Chi-sq(9)= 23.35 P-val=0.0055

Stock-Wright LM S statistic Chi-sq(9)= 11.85 P-val=0.2221

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 114377

Number of regressors K = 1

Number of endogenous regressors K1 = 1

st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH3_unemp.xls
 dir : seeout

phase 3 dependent variable: ldwroll48, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 51)	P-val	AP Chi-sq(9)	P-val
mototkt	143.15	0.0000	1314.80	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=10.00 P-val=0.3502

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 30668.14

Kleibergen-Paap Wald rk F statistic 143.15

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 3.24 P-val=0.0035


```

diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss imel
ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH3_unemp.xls
dir : seeout

```

phase 3 dependent variable: eperoll12, unemployment: unemp

Summary results for first-stage regressions

```

-----
Variable      | F( 9, 51) P-val | AP Chi-sq( 9) P-val | AP F( 9, 51)
mototkt       |      143.15 0.0000 |      1314.80 0.0000 |      143.15

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

```

5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=10.00 P-val=0.3502

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 30668.14

Kleibergen-Paap Wald rk F statistic 143.15

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

```

5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.


```

tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH3_unemp.xls
dir : seeout

```

phase 3 dependent variable: eperoll24, unemployment: unemp

Summary results for first-stage regressions

```

-----
Variable          | F( 9, 51) P-val | (Underid) AP Chi-sq( 9) P-val | (Weak id) AP F( 9, 51)
mototkt          | 143.15 0.0000 | 1314.80 0.0000 | 143.15

```

NB: first-stage test statistics cluster-robust

```

Stock-Yogo weak ID test critical values for single endogenous regressor:
    5% maximal IV relative bias    20.53
    10% maximal IV relative bias   11.46
    20% maximal IV relative bias    6.65
    30% maximal IV relative bias    4.92
    10% maximal IV size             36.19
    15% maximal IV size             19.71
    20% maximal IV size             14.01
    25% maximal IV size             11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

Underidentification test
Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
Ha: matrix has rank=K1 (identified)
Kleibergen-Paap rk LM statistic          Chi-sq(9)=10.00    P-val=0.3502

```

```

Weak identification test
Ho: equation is weakly identified
Cragg-Donald Wald F statistic          30668.14
Kleibergen-Paap Wald rk F statistic    143.15

```

```

Stock-Yogo weak ID test critical values for K1=1 and L1=9:
    5% maximal IV relative bias    20.53
    10% maximal IV relative bias   11.46
    20% maximal IV relative bias    6.65
    30% maximal IV relative bias    4.92
    10% maximal IV size             36.19

```

15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 2.40 P-val=0.0234
 Anderson-Rubin Wald test Chi-sq(9)= 22.09 P-val=0.0086
 Stock-Wright LM S statistic Chi-sq(9)= 7.37 P-val=0.5990

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 114377
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 114377
 F(1, 51) = 0.78
 Prob > F = 0.3806
 Total (centered) SS = 4750.748969 Centered R2 = -0.0000
 Total (uncentered) SS = 4750.748969 Uncentered R2 = -0.0000
 Residual SS = 4750.772815 Root MSE = .2038

eperoll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.000211	.0002362	-0.89	0.372	-.000674	.0002519

Underidentification test (Kleibergen-Paap rk LM statistic): 10.004
 Chi-sq(9) P-val = 0.3502

Weak identification test (Cragg-Donald Wald F statistic): 3.1e+04
 (Kleibergen-Paap rk Wald F statistic): 143.145

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 7.034
 Chi-sq(8) P-val = 0.5330

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH3_unemp.xls
 dir : seeout

phase 3 dependent variable: eperoll36, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 51)	P-val	AP Chi-sq(9)	P-val
mototkt	143.15	0.0000	1314.80	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=10.00 P-val=0.3502

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 30668.14

Kleibergen-Paap Wald rk F statistic 143.15

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,51)=	4.40	P-val=0.0003
Anderson-Rubin Wald test	Chi-sq(9)=	40.38	P-val=0.0000
Stock-Wright LM S statistic	Chi-sq(9)=	8.79	P-val=0.4568

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	114377
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	9
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	114377
		F(1, 51) =	3.66
		Prob > F =	0.0615
Total (centered) SS =	6464.004347	Centered R2 =	0.0000
Total (uncentered) SS =	6464.004347	Uncentered R2 =	0.0000
Residual SS =	6464.000405	Root MSE =	.2377

eperoll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	

mototkt	-.0005462	.0002828	-1.93	0.053	-.0011005	8.09e-06

Underidentification test (Kleibergen-Paap rk LM statistic): 10.004
Chi-sq(9) P-val = 0.3502

Weak identification test (Cragg-Donald Wald F statistic): 3.1e+04
(Kleibergen-Paap rk Wald F statistic): 143.145

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	20.53
	10% maximal IV relative bias	11.46
	20% maximal IV relative bias	6.65
	30% maximal IV relative bias	4.92
	10% maximal IV size	36.19
	15% maximal IV size	19.71
	20% maximal IV size	14.01
	25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 8.573
Chi-sq(8) P-val = 0.3796

Instrumented: mototkt
Included instruments:
Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH3_unemp.xls
dir : seeout

phase 3 dependent variable: eperoll48, unemployment: unemp

Summary results for first-stage regressions

Variable | F(9, 51) P-val | AP Chi-sq(9) P-val | AP F(9, 51)
mototkt | 143.15 0.0000 | 1314.80 0.0000 | 143.15

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
Ha: matrix has rank=K1 (identified)
Kleibergen-Paap rk LM statistic Chi-sq(9)=10.00 P-val=0.3502

Weak identification test

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 30668.14
 Kleibergen-Paap Wald rk F statistic 143.15

Stock-Yogo weak ID test critical values for K1=1 and L1=9:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,51)= 1.73 P-val=0.1063
 Anderson-Rubin Wald test Chi-sq(9)= 15.88 P-val=0.0694
 Stock-Wright LM S statistic Chi-sq(9)= 5.94 P-val=0.7464

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 114377
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 99
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 114377
 F(1, 51) = 2.81
 Prob > F = 0.0997
 Total (centered) SS = 7580.469244 Centered R2 = -0.0000
 Total (uncentered) SS = 7580.469244 Uncentered R2 = -0.0000
 Residual SS = 7580.581837 Root MSE = .2574

```

-----
      eperoll48 |               Robust
               |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
      mototkt | -0.0005777   .000341   -1.69   0.090   -0.0012461   .0000907
-----
  
```

Underidentification test (Kleibergen-Paap rk LM statistic): 10.004
 Chi-sq(9) P-val = 0.3502

Weak identification test (Cragg-Donald Wald F statistic): 3.1e+04
 (Kleibergen-Paap rk Wald F statistic): 143.145

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92

10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 5.516
 Chi-sq(8) P-val = 0.7013

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH3_unemp.xls
 dir : seeout

phase 3 dependent variable: twproll12, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 51)	P-val	AP Chi-sq(9)	P-val
mototkt	143.15	0.0000	1314.80	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test


```

(Kleibergen-Paap rk Wald F statistic):          143.145
Stock-Yogo weak ID test critical values:  5% maximal IV relative bias    20.53
                                           10% maximal IV relative bias   11.46
                                           20% maximal IV relative bias    6.65
                                           30% maximal IV relative bias    4.92
                                           10% maximal IV size             36.19
                                           15% maximal IV size             19.71
                                           20% maximal IV size             14.01
                                           25% maximal IV size             11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments):    4.086
                                                                    Chi-sq(8) P-val =    0.8493
-----

```

```

Instrumented:      mototkt
Included instruments:
Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
Partialled-out:    male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                   race_b race_h race_i race_o race_mis tsd_edu_hs
                   tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                   tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                   tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                   pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                   cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                   diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                   twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                   st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                   st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                   st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                   st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                   st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                   st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
                   ime_miss _cons
                   nb: small-sample adjustments account for
                       partialled-out variables
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH3_unemp.xls
dir : seeout

```

phase 3 dependent variable: twproll24, unemployment: unemp

Summary results for first-stage regressions

```

-----
Variable      | F( 9, 51) P-val | (Underid) AP Chi-sq( 9) P-val | (Weak id) AP F( 9, 51)
mototkt      | 143.15 0.0000 | 1314.80 0.0000 | 143.15
-----

```

NB: first-stage test statistics cluster-robust

```

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias    20.53
10% maximal IV relative bias   11.46
20% maximal IV relative bias    6.65
30% maximal IV relative bias    4.92
10% maximal IV size            36.19
15% maximal IV size            19.71
20% maximal IV size            14.01

```

25% maximal IV size 11.07
 Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(9)=10.00 P-val=0.3502

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 30668.14
 Kleibergen-Paap Wald rk F statistic 143.15

Stock-Yogo weak ID test critical values for K1=1 and L1=9:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,51)= 0.88 P-val=0.5532
 Anderson-Rubin Wald test Chi-sq(9)= 8.04 P-val=0.5303
 Stock-Wright LM S statistic Chi-sq(9)= 4.03 P-val=0.9092

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 114377
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 99
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 114377
 F(1, 51) = 0.02
 Prob > F = 0.8826
 Total (centered) SS = 6220.48727 Centered R2 = -0.0000
 Total (uncentered) SS = 6220.48727 Uncentered R2 = -0.0000
 Residual SS = 6220.490954 Root MSE = .2332

twproll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0000455	.0003033	-0.15	0.881	-.0006399	.000549

```
-----
Underidentification test (Kleibergen-Paap rk LM statistic):      10.004
                                                                Chi-sq(9) P-val =    0.3502
-----
```

```
Weak identification test (Cragg-Donald Wald F statistic):      3.1e+04
(Kleibergen-Paap rk Wald F statistic):      143.145
Stock-Yogo weak ID test critical values:  5% maximal IV relative bias  20.53
                                           10% maximal IV relative bias  11.46
                                           20% maximal IV relative bias   6.65
                                           30% maximal IV relative bias   4.92
                                           10% maximal IV size           36.19
                                           15% maximal IV size           19.71
                                           20% maximal IV size           14.01
                                           25% maximal IV size           11.07
```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```
-----
Hansen J statistic (overidentification test of all instruments):  4.010
                                                                Chi-sq(8) P-val =    0.8562
-----
```

```
Instrumented:      mototkt
Included instruments:
Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
                  ime_miss _cons
                  nb: small-sample adjustments account for
                      partialled-out variables
```

```
-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH3_unemp.xls
dir : seeout
```

phase 3 dependent variable: twproll36, unemployment: unemp

Summary results for first-stage regressions

```
-----
Variable      | F( 9, 51) P-val | AP Chi-sq( 9) P-val | AP F( 9, 51)
mototkt      |      143.15  0.0000 |      1314.80  0.0000 |      143.15
-----
```

NB: first-stage test statistics cluster-robust

```
Stock-Yogo weak ID test critical values for single endogenous regressor:
      5% maximal IV relative bias  20.53
      10% maximal IV relative bias  11.46
```


twproll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.000405	.0002637	-1.54	0.125	-.0009219	.0001119

Underidentification test (Kleibergen-Paap rk LM statistic): 10.004
Chi-sq(9) P-val = 0.3502

Weak identification test (Cragg-Donald Wald F statistic): 3.1e+04
(Kleibergen-Paap rk Wald F statistic): 143.145

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 2.189
Chi-sq(8) P-val = 0.9747

Instrumented: mototkt
Included instruments:
Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH3_unemp.xls
dir : seeout

phase 3 dependent variable: twproll48, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(9)	P-val	AP F(9, 51)	
mototkt	143.15	0.0000	1314.80	0.0000	143.15	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=10.00 P-val=0.3502

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 30668.14

Kleibergen-Paap Wald rk F statistic 143.15

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 1.08 P-val=0.3952

Anderson-Rubin Wald test Chi-sq(9)= 9.90 P-val=0.3589

Stock-Wright LM S statistic Chi-sq(9)= 5.54 P-val=0.7845

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	114377
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	9
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	114377
		F(1, 51) =	1.89

Total (centered) SS	=	8745.471163	Prob > F	=	0.1754
Total (uncentered) SS	=	8745.471163	Centered R2	=	-0.0000
Residual SS	=	8745.606473	Uncentered R2	=	-0.0000
			Root MSE	=	.2765

```
-----
```

twproll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0003468	.0002498	-1.39	0.165	-.0008364	.0001429

```
-----
```

Underidentification test (Kleibergen-Paap rk LM statistic): 10.004
Chi-sq(9) P-val = 0.3502

Weak identification test (Cragg-Donald Wald F statistic): 3.1e+04
(Kleibergen-Paap rk Wald F statistic): 143.145

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 4.115
Chi-sq(8) P-val = 0.8466

```
-----
```

Instrumented: mototkt
Included instruments:
Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

```
-----
```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH3_unemp.xls
dir : seeout

phase 3 dependent variable: srvroll12, unemployment: unemp

Summary results for first-stage regressions

```
-----
```

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(9)	P-val	AP F(9, 51)	
mototkt	143.15	0.0000	1314.80	0.0000	143.15	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=10.00 P-val=0.3502

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 30668.14

Kleibergen-Paap Wald rk F statistic 143.15

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 3.89 P-val=0.0008

Anderson-Rubin Wald test Chi-sq(9)= 35.72 P-val=0.0000

Stock-Wright LM S statistic Chi-sq(9)= 9.99 P-val=0.3515

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	114377
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	9
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 114377
F(1, 51) = 3.54
Prob > F = 0.0658
Total (centered) SS = 2450.820481 Centered R2 = 0.0003
Total (uncentered) SS = 2450.820481 Uncentered R2 = 0.0003
Residual SS = 2450.157937 Root MSE = .1464

srvroll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0003628	.000191	-1.90	0.057	-.0007372	.0000115

Underidentification test (Kleibergen-Paap rk LM statistic): 10.004
Chi-sq(9) P-val = 0.3502

Weak identification test (Cragg-Donald Wald F statistic): 3.1e+04
(Kleibergen-Paap rk Wald F statistic): 143.145

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 6.294
Chi-sq(8) P-val = 0.6144

Instrumented: mototkt
Included instruments:
Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables


```

st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH3_unemp.xls
dir : seeout

```

phase 3 dependent variable: srvroll48, unemployment: unemp

Summary results for first-stage regressions

```

-----
Variable      | F( 9, 51) P-val | (Underid) AP Chi-sq( 9) P-val | (Weak id) AP F( 9, 51)
mototkt      | 143.15 0.0000 | 1314.80 0.0000 | 143.15

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

```

5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=10.00 P-val=0.3502

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 30668.14

Kleibergen-Paap Wald rk F statistic 143.15

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

```

5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 1.02 P-val=0.4370

Anderson-Rubin Wald test Chi-sq(9)= 9.37 P-val=0.4039

Stock-Wright LM S statistic Chi-sq(9)= 6.52 P-val=0.6871

st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss _cons

nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH3_unemp.xls
 dir : seeout

phase 3 dependent variable: nstwl2, unemployment: unemp

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(9, 51)	P-val	AP Chi-sq(9)	P-val	AP F(9, 51)	
mototkt	143.15	0.0000	1314.80	0.0000	143.15	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=10.00 P-val=0.3502

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 30668.14

Kleibergen-Paap Wald rk F statistic 143.15

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,51)= 5.03 P-val=0.0001
 Anderson-Rubin Wald test Chi-sq(9)= 46.24 P-val=0.0000
 Stock-Wright LM S statistic Chi-sq(9)= 8.21 P-val=0.5136

NB: Underidentification, weak identification and weak-identification-robust
 test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 114377
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 99
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 114377
 F(1, 51) = 0.26
 Prob > F = 0.6147
 Total (centered) SS = 143017.8291 Centered R2 = -0.0000
 Total (uncentered) SS = 143017.8291 Uncentered R2 = -0.0000
 Residual SS = 143018.2432 Root MSE = 1.118

nstw12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	.0006567	.0012835	0.51	0.609	-.001859	.0031723

Underidentification test (Kleibergen-Paap rk LM statistic): 10.004
 Chi-sq(9) P-val = 0.3502

Weak identification test (Cragg-Donald Wald F statistic): 3.1e+04
 (Kleibergen-Paap rk Wald F statistic): 143.145

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 7.847
 Chi-sq(8) P-val = 0.4485

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1

tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH3_unemp.xls
 dir : seeout

phase 3 dependent variable: nstw24, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 51)	P-val	AP Chi-sq(9)	P-val
mototkt	143.15	0.0000	1314.80	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=10.00 P-val=0.3502

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 30668.14

Kleibergen-Paap Wald rk F statistic 143.15

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01

25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 2.14 P-val=0.0430
Anderson-Rubin Wald test Chi-sq(9)= 19.63 P-val=0.0204
Stock-Wright LM S statistic Chi-sq(9)= 6.46 P-val=0.6929

NB: Underidentification, weak identification and weak-identification-robust
test statistics cluster-robust

Number of clusters N_clust = 52
Number of observations N = 114377
Number of regressors K = 1
Number of endogenous regressors K1 = 1
Number of instruments L = 9
Number of excluded instruments L1 = 9
Number of partialled-out regressors/IVs = 99
NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 114377
F(1, 51) = 0.04
Prob > F = 0.8386
Total (centered) SS = 727009.7877 Centered R2 = -0.0000
Total (uncentered) SS = 727009.7877 Uncentered R2 = -0.0000
Residual SS = 727010.6088 Root MSE = 2.521

nstw24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	.0006199	.0029975	0.21	0.836	-.0052551 .0064949

Underidentification test (Kleibergen-Paap rk LM statistic): 10.004
Chi-sq(9) P-val = 0.3502

Weak identification test (Cragg-Donald Wald F statistic): 3.1e+04
(Kleibergen-Paap rk Wald F statistic): 143.145

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 6.385
Chi-sq(8) P-val = 0.6042

Instrumented: mototkt
Included instruments:

Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH3_unemp.xls
 dir : seeout

phase 3 dependent variable: nstw36, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(9)	P-val	AP F(9, 51)	
mototkt	143.15	0.0000	1314.80	0.0000	143.15	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=10.00 P-val=0.3502

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 30668.14

Kleibergen-Paap Wald rk F statistic 143.15

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46

20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,51)= 2.14 P-val=0.0423
 Anderson-Rubin Wald test Chi-sq(9)= 19.69 P-val=0.0199
 Stock-Wright LM S statistic Chi-sq(9)= 6.44 P-val=0.6956

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	114377
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	9
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	114377
		F(1, 51) =	0.09
		Prob > F =	0.7634
Total (centered) SS =	2004895.942	Centered R2 =	0.0000
Total (uncentered) SS =	2004895.942	Uncentered R2 =	0.0000
Residual SS =	2004891.819	Root MSE =	4.187

nstw36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	

mototkt	-.0016552	.0054142	-0.31	0.760	-.0122668	.0089564

Underidentification test (Kleibergen-Paap rk LM statistic): 10.004
 Chi-sq(9) P-val = 0.3502

Weak identification test (Cragg-Donald Wald F statistic): 3.1e+04
 (Kleibergen-Paap rk Wald F statistic): 143.145

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 5.988
 Chi-sq(8) P-val = 0.6486

 Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH3_unemp.xls
 dir : seeout

phase 3 dependent variable: nstw48, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(9)	P-val	AP F(9, 51)	
mototkt	143.15	0.0000	1314.80	0.0000	143.15	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=10.00 P-val=0.3502

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 30668.14

Kleibergen-Paap Wald rk F statistic 143.15

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,51)=	2.45	P-val=0.0213
Anderson-Rubin Wald test	Chi-sq(9)=	22.46	P-val=0.0075
Stock-Wright LM S statistic	Chi-sq(9)=	6.27	P-val=0.7125

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	114377
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	9
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	114377
		F(1, 51) =	0.10
		Prob > F =	0.7510
Total (centered) SS =	4192099.057	Centered R2 =	0.0000
Total (uncentered) SS =	4192099.057	Uncentered R2 =	0.0000
Residual SS =	4192096.16	Root MSE =	6.054

nstw48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	

mototkt	-.0022678	.0070363	-0.32	0.747	-.0160587	.0115231

Underidentification test (Kleibergen-Paap rk LM statistic): 10.004
Chi-sq(9) P-val = 0.3502

Weak identification test (Cragg-Donald Wald F statistic): 3.1e+04
(Kleibergen-Paap rk Wald F statistic): 143.145

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	20.53
	10% maximal IV relative bias	11.46
	20% maximal IV relative bias	6.65
	30% maximal IV relative bias	4.92
	10% maximal IV size	36.19
	15% maximal IV size	19.71

20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 6.233
 Chi-sq(8) P-val = 0.6211

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH3_unemp.xls
 dir : seeout

phase 2 & phase 3 dependent variable: ldwroll12, unemployment: unemp

Summary results for first-stage regressions

Variable	F(9, 51)	P-val	(Underid) AP Chi-sq(9)	P-val	(Weak id) AP F(9, 51)
mototkt	925.92	0.0000	8501.47	0.0000	925.92

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 10.196
 Chi-sq(8) P-val = 0.2516

Instrumented: mototkt
 Included instruments: phase2_st
 Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
 imm_pl9 imm_pl10
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_unemp.xls
 dir : seeout

phase 2 & phase 3 dependent variable: ldwroll24, unemployment: unemp

Summary results for first-stage regressions

Variable	F(9, 51)	P-val	(Underid)	P-val	(Weak id)
mototkt	925.92	0.0000	8501.47	0.0000	925.92

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01

25% maximal IV size 11.07
 Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(9)=25.12 P-val=0.0028

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 89090.50
 Kleibergen-Paap Wald rk F statistic 925.92

Stock-Yogo weak ID test critical values for K1=1 and L1=9:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,51)= 2.05 P-val=0.0525
 Anderson-Rubin Wald test Chi-sq(9)= 18.80 P-val=0.0270
 Stock-Wright LM S statistic Chi-sq(9)= 11.74 P-val=0.2281

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 191505
 Number of regressors K = 2
 Number of endogenous regressors K1 = 1
 Number of instruments L = 10
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 99
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 191505
 F(2, 51) = 3.41
 Prob > F = 0.0409
 Total (centered) SS = 5834.168168 Centered R2 = 0.0000
 Total (uncentered) SS = 5834.168168 Uncentered R2 = 0.0000
 Residual SS = 5833.98205 Root MSE = .1745

ldwroll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0001365	.0001253	-1.09	0.276	-.0003821	.0001092


```

phase2_st | .0084476 .0032046 2.64 0.008 .0021666 .0147286
-----
Underidentification test (Kleibergen-Paap rk LM statistic): 25.120
Chi-sq(9) P-val = 0.0028
-----
Weak identification test (Cragg-Donald Wald F statistic): 8.9e+04
(Kleibergen-Paap rk Wald F statistic): 925.920
Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments): 10.798
Chi-sq(8) P-val = 0.2134
-----

```

```

Instrumented: mototkt
Included instruments: phase2_st
Excluded instruments: imm_p11 imm_p13 imm_p14 imm_p15 imm_p16 imm_p17 imm_p18
imm_p19 imm_p110
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_unemp.xls
dir : seeout

```

phase 2 & phase 3 dependent variable: ldwroll36, unemployment: unemp

Summary results for first-stage regressions

```

-----
Variable | F( 9, 51) P-val | (Underid) AP Chi-sq( 9) P-val | (Weak id) AP F( 9, 51)
mototkt | 925.92 0.0000 | 8501.47 0.0000 | 925.92
-----

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

Residual SS = 8284.509388 Root MSE = .208

ldwroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0001331	.0001365	-0.98	0.329	-.0004007	.0001344
phase2_st	.006917	.0039447	1.75	0.080	-.0008145	.0146486

Underidentification test (Kleibergen-Paap rk LM statistic): 25.120
Chi-sq(9) P-val = 0.0028

Weak identification test (Cragg-Donald Wald F statistic): 8.9e+04
(Kleibergen-Paap rk Wald F statistic): 925.920

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 5.555
Chi-sq(8) P-val = 0.6969

Instrumented: mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8 imm_pl9 imm_pl10
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_unemp.xls
dir : seeout

phase 2 & phase 3 dependent variable: ldwroll48, unemployment: unemp

Summary results for first-stage regressions


```

Number of clusters          N_clust =      52
Number of observations      N =    191505
Number of regressors       K =      2
Number of endogenous regressors K1 =    1
Number of instruments       L =    10
Number of excluded instruments L1 =    9
Number of partialled-out regressors/IVs = 99
NB: K & L do not included partialled-out variables

```

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) =      52
Number of obs =    191505
F( 2, 51) =    1.05
Prob > F =    0.3587
Total (centered) SS = 7662.896702
Total (uncentered) SS = 7662.896702
Residual SS = 7662.819952
Centered R2 =    0.0000
Uncentered R2 =    0.0000
Root MSE =    .2

```

```

-----
          |               Robust
          |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
    eperoll24 |
mototkt |   -.000084   .000164   -0.51   0.609   -.0004054   .0002374
phase2_st |   .0055799   .003923    1.42   0.155   -.002109   .0132687
-----

```

```

Underidentification test (Kleibergen-Paap rk LM statistic):      25.120
Chi-sq(9) P-val =      0.0028

```

```

Weak identification test (Cragg-Donald Wald F statistic):      8.9e+04
(Kleibergen-Paap rk Wald F statistic):      925.920

```

```

Stock-Yogo weak ID test critical values:  5% maximal IV relative bias    20.53
                                           10% maximal IV relative bias   11.46
                                           20% maximal IV relative bias    6.65
                                           30% maximal IV relative bias    4.92
                                           10% maximal IV size            36.19
                                           15% maximal IV size            19.71
                                           20% maximal IV size            14.01
                                           25% maximal IV size            11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments):  11.196
Chi-sq(8) P-val =      0.1909

```

```

-----
Instrumented:      mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL

```

st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_unemp.xls
 dir : seeout

phase 2 & phase 3 dependent variable: eperoll36, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(9)	P-val	AP F(9, 51)	
mototkt	925.92	0.0000	8501.47	0.0000	925.92	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=25.12 P-val=0.0028

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 89090.50

Kleibergen-Paap Wald rk F statistic 925.92

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid
Anderson-Rubin Wald test F(9,51)= 3.85 P-val=0.0009
Anderson-Rubin Wald test Chi-sq(9)= 35.34 P-val=0.0001
Stock-Wright LM S statistic Chi-sq(9)= 15.04 P-val=0.0899

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
Number of observations N = 191505
Number of regressors K = 2
Number of endogenous regressors K1 = 1
Number of instruments L = 10
Number of excluded instruments L1 = 9
Number of partialled-out regressors/IVs = 99
NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 191505
F(2, 51) = 0.39
Prob > F = 0.6811
Total (centered) SS = 10647.60048 Centered R2 = -0.0000
Total (uncentered) SS = 10647.60048 Uncentered R2 = -0.0000
Residual SS = 10647.63823 Root MSE = .2358

eperoll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0001533	.0001741	-0.88	0.379	-.0004945	.0001879
phase2_st	-.0000691	.00402	-0.02	0.986	-.0079481	.0078099

Underidentification test (Kleibergen-Paap rk LM statistic): 25.120
Chi-sq(9) P-val = 0.0028

Weak identification test (Cragg-Donald Wald F statistic): 8.9e+04
(Kleibergen-Paap rk Wald F statistic): 925.920

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 14.993
Chi-sq(8) P-val = 0.0593

Instrumented: mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis

tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_unemp.xls
 dir : seeout

phase 2 & phase 3 dependent variable: eperoll48, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 51)	P-val	AP Chi-sq(9)	P-val
mototkt	925.92	0.0000	8501.47	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=25.12 P-val=0.0028

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 89090.50

Kleibergen-Paap Wald rk F statistic 925.92

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71

20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 1.82 P-val=0.0877
 Anderson-Rubin Wald test Chi-sq(9)= 16.69 P-val=0.0539
 Stock-Wright LM S statistic Chi-sq(9)= 9.74 P-val=0.3721

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 191505
 Number of regressors K = 2
 Number of endogenous regressors K1 = 1
 Number of instruments L = 10
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 99
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 191505
 F(2, 51) = 1.80
 Prob > F = 0.1762
 Total (centered) SS = 12665.73381 Centered R2 = 0.0000
 Total (uncentered) SS = 12665.73381 Uncentered R2 = 0.0000
 Residual SS = 12665.66961 Root MSE = .2572

eperoll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0002342	.0002027	-1.16	0.248	-.0006315	.0001631
phase2_st	-.005929	.0047984	-1.24	0.217	-.0153337	.0034757

Underidentification test (Kleibergen-Paap rk LM statistic): 25.120
 Chi-sq(9) P-val = 0.0028

Weak identification test (Cragg-Donald Wald F statistic): 8.9e+04
 (Kleibergen-Paap rk Wald F statistic): 925.920

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 8.633
 Chi-sq(8) P-val = 0.3742

```

Instrumented:      mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_unemp.xls
dir : seeout

```

phase 2 & phase 3 dependent variable: twproll12, unemployment: unemp

Summary results for first-stage regressions

```

-----
Variable      | F( 9, 51) P-val | AP Chi-sq( 9) P-val | AP F( 9, 51)
mototkt      | 925.92 0.0000 | 8501.47 0.0000 | 925.92

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

```

5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=25.12 P-val=0.0028

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 89090.50

Kleibergen-Paap Wald rk F statistic 925.92

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,51)=	0.19	P-val=0.9946
Anderson-Rubin Wald test	Chi-sq(9)=	1.72	P-val=0.9952
Stock-Wright LM S statistic	Chi-sq(9)=	1.50	P-val=0.9972

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	191505
Number of regressors	K =	2
Number of endogenous regressors	K1 =	1
Number of instruments	L =	10
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	191505
		F(2, 51) =	0.28
		Prob > F =	0.7564
Total (centered) SS =	6143.39241	Centered R2 =	0.0000
Total (uncentered) SS =	6143.39241	Uncentered R2 =	0.0000
Residual SS =	6143.372975	Root MSE =	.1791

twproll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0000134	.0001374	-0.10	0.922	-.0002827	.000256
phase2_st	-.0023004	.0035418	-0.65	0.516	-.0092422	.0046413

Underidentification test (Kleibergen-Paap rk LM statistic): 25.120
Chi-sq(9) P-val = 0.0028

Weak identification test (Cragg-Donald Wald F statistic): 8.9e+04
(Kleibergen-Paap rk Wald F statistic): 925.920

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	20.53
	10% maximal IV relative bias	11.46
	20% maximal IV relative bias	6.65
	30% maximal IV relative bias	4.92
	10% maximal IV size	36.19
	15% maximal IV size	19.71
	20% maximal IV size	14.01

25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 1.485
Chi-sq(8) P-val = 0.9930

Instrumented: mototkt
 Included instruments: phase2_st
 Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
 imm_pl9 imm_pl10
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_unemp.xls
 dir : seeout

phase 2 & phase 3 dependent variable: twproll24, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(9)	P-val	AP F(9, 51)	
mototkt	925.92	0.0000	8501.47	0.0000	925.92	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 6.189
 Chi-sq(8) P-val = 0.6261

Instrumented: mototkt
 Included instruments: phase2_st
 Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
 imm_pl9 imm_pl10
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_unemp.xls
 dir : seeout

phase 2 & phase 3 dependent variable: twproll36, unemployment: unemp

Summary results for first-stage regressions

Variable	F(9, 51)	P-val	(Underid)	P-val	(Weak id)
mototkt	925.92	0.0000	8501.47	0.0000	925.92

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01

25% maximal IV size 11.07
 Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(9)=25.12 P-val=0.0028

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 89090.50
 Kleibergen-Paap Wald rk F statistic 925.92

Stock-Yogo weak ID test critical values for K1=1 and L1=9:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,51)= 0.91 P-val=0.5251
 Anderson-Rubin Wald test Chi-sq(9)= 8.34 P-val=0.5000
 Stock-Wright LM S statistic Chi-sq(9)= 6.25 P-val=0.7142

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 191505
 Number of regressors K = 2
 Number of endogenous regressors K1 = 1
 Number of instruments L = 10
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 99
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 191505
 F(2, 51) = 6.90
 Prob > F = 0.0022
 Total (centered) SS = 13319.35584 Centered R2 = 0.0001
 Total (uncentered) SS = 13319.35584 Uncentered R2 = 0.0001
 Residual SS = 13318.58511 Root MSE = .2637

	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
twproll36						
mototkt	-.0002941	.0001675	-1.76	0.079	-.0006224	.0000341

```

phase2_st | -.0147035   .005856   -2.51   0.012   -.0261811   -.0032259
-----
Underidentification test (Kleibergen-Paap rk LM statistic):          25.120
                                                    Chi-sq(9) P-val =    0.0028
-----

```

```

Weak identification test (Cragg-Donald Wald F statistic):          8.9e+04
(Kleibergen-Paap rk Wald F statistic):          925.920
Stock-Yogo weak ID test critical values:  5% maximal IV relative bias  20.53
                                           10% maximal IV relative bias  11.46
                                           20% maximal IV relative bias   6.65
                                           30% maximal IV relative bias   4.92
                                           10% maximal IV size           36.19
                                           15% maximal IV size           19.71
                                           20% maximal IV size           14.01
                                           25% maximal IV size           11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments):    4.816
                                                    Chi-sq(8) P-val =    0.7770
-----

```

```

Instrumented:      mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
    partialled-out variables
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_unemp.xls
dir : seeout

```

phase 2 & phase 3 dependent variable: twproll48, unemployment: unemp

Summary results for first-stage regressions

```

-----
Variable          | F( 9, 51) P-val | (Underid) AP Chi-sq( 9) P-val | (Weak id) AP F( 9, 51)
mototkt          | 925.92 0.0000 | 8501.47 0.0000 | 925.92

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

Residual SS = 15032.98136 Root MSE = .2802

twproll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.000217	.0001948	-1.11	0.265	-.0005989	.0001648
phase2_st	-.0198436	.0066091	-3.00	0.003	-.0327972	-.00689

Underidentification test (Kleibergen-Paap rk LM statistic): 25.120
Chi-sq(9) P-val = 0.0028

Weak identification test (Cragg-Donald Wald F statistic): 8.9e+04
(Kleibergen-Paap rk Wald F statistic): 925.920

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 3.417
Chi-sq(8) P-val = 0.9055

Instrumented: mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8 imm_pl9 imm_pl10
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_unemp.xls
dir : seeout

phase 2 & phase 3 dependent variable: srvroll12, unemployment: unemp

Summary results for first-stage regressions

partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_unemp.xls
 dir : seeout

phase 2 & phase 3 dependent variable: srvroll36, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 51)	P-val	AP Chi-sq(9)	P-val
mototkt	925.92	0.0000	8501.47	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=25.12 P-val=0.0028

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 89090.50

Kleibergen-Paap Wald rk F statistic 925.92

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 1.36 P-val=0.2287

Anderson-Rubin Wald test Chi-sq(9)= 12.53 P-val=0.1850

Stock-Wright LM S statistic Chi-sq(9)= 7.23 P-val=0.6134

NB: Underidentification, weak identification and weak-identification-robust
 test statistics cluster-robust

```

Number of clusters          N_clust =      52
Number of observations      N =    191505
Number of regressors       K =      2
Number of endogenous regressors K1 =     1
Number of instruments       L =    10
Number of excluded instruments L1 =     9
Number of partialled-out regressors/IVs = 99
NB: K & L do not included partialled-out variables

```

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) =      52
Number of obs =    191505
F( 2, 51) =    14.70
Prob > F =    0.0000
Centered R2 =    0.0003
Uncentered R2 =    0.0003
Root MSE =    .1506

Total (centered) SS = 4347.405533
Total (uncentered) SS = 4347.405533
Residual SS = 4346.003945

```

```

-----
      |               Robust
      |   Coef.   Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
  srvroll36 |
  mototkt |  -.0002862   .0001184   -2.42   0.016   -.0005181   -.0000542
  phase2_st |  -.0139727   .0031286   -4.47   0.000   -.0201046   -.0078408
-----

```

```

Underidentification test (Kleibergen-Paap rk LM statistic):      25.120
Chi-sq(9) P-val =      0.0028

```

```

Weak identification test (Cragg-Donald Wald F statistic):      8.9e+04
(Kleibergen-Paap rk Wald F statistic):      925.920

```

```

Stock-Yogo weak ID test critical values:  5% maximal IV relative bias    20.53
                                           10% maximal IV relative bias   11.46
                                           20% maximal IV relative bias    6.65
                                           30% maximal IV relative bias    4.92
                                           10% maximal IV size            36.19
                                           15% maximal IV size            19.71
                                           20% maximal IV size            14.01
                                           25% maximal IV size            11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments):      5.552
Chi-sq(8) P-val =      0.6973
-----

```

```

Instrumented:      mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL

```

st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_unemp.xls
 dir : seeout

phase 2 & phase 3 dependent variable: srvroll48, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(9)	P-val	AP F(9, 51)	
mototkt	925.92	0.0000	8501.47	0.0000	925.92	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=25.12 P-val=0.0028

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 89090.50

Kleibergen-Paap Wald rk F statistic 925.92

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid
Anderson-Rubin Wald test F(9,51)= 1.60 P-val=0.1397
Anderson-Rubin Wald test Chi-sq(9)= 14.71 P-val=0.0992
Stock-Wright LM S statistic Chi-sq(9)= 9.22 P-val=0.4175

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
Number of observations N = 191505
Number of regressors K = 2
Number of endogenous regressors K1 = 1
Number of instruments L = 10
Number of excluded instruments L1 = 9
Number of partialled-out regressors/IVs = 99
NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 191505
F(2, 51) = 13.36
Prob > F = 0.0000
Total (centered) SS = 4599.297128 Centered R2 = 0.0003
Total (uncentered) SS = 4599.297128 Uncentered R2 = 0.0003
Residual SS = 4598.092065 Root MSE = .155

srvroll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0002519	.000106	-2.38	0.018	-.0004597	-.000044
phase2_st	-.0134187	.0028537	-4.70	0.000	-.0190119	-.0078256

Underidentification test (Kleibergen-Paap rk LM statistic): 25.120
Chi-sq(9) P-val = 0.0028

Weak identification test (Cragg-Donald Wald F statistic): 8.9e+04
(Kleibergen-Paap rk Wald F statistic): 925.920

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 6.956
Chi-sq(8) P-val = 0.5414

Instrumented: mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis

tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_unemp.xls
 dir : seeout

phase 2 & phase 3 dependent variable: nstwl2, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 51)	P-val	AP Chi-sq(9)	P-val
mototkt	925.92	0.0000	8501.47	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=25.12 P-val=0.0028

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 89090.50

Kleibergen-Paap Wald rk F statistic 925.92

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71

20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 2.67 P-val=0.0129
 Anderson-Rubin Wald test Chi-sq(9)= 24.47 P-val=0.0036
 Stock-Wright LM S statistic Chi-sq(9)= 9.57 P-val=0.3868

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 191505
 Number of regressors K = 2
 Number of endogenous regressors K1 = 1
 Number of instruments L = 10
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 99
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 191505
 F(2, 51) = 27.20
 Prob > F = 0.0000
 Total (centered) SS = 223175.489 Centered R2 = 0.0003
 Total (uncentered) SS = 223175.489 Uncentered R2 = 0.0003
 Residual SS = 223119.122 Root MSE = 1.079

nstw12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	.0012138	.0007646	1.59	0.112	-.0002848	.0027124
phase2_st	.1227617	.0212888	5.77	0.000	.0810363	.164487

Underidentification test (Kleibergen-Paap rk LM statistic): 25.120
 Chi-sq(9) P-val = 0.0028

Weak identification test (Cragg-Donald Wald F statistic): 8.9e+04
 (Kleibergen-Paap rk Wald F statistic): 925.920

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 9.184
 Chi-sq(8) P-val = 0.3270


```

Instrumented:      mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_unemp.xls
dir : seeout

```

phase 2 & phase 3 dependent variable: nstw24, unemployment: unemp

Summary results for first-stage regressions

```

-----
Variable      | F( 9, 51) P-val | AP Chi-sq( 9) P-val | AP F( 9, 51)
mototkt      | 925.92 0.0000 | 8501.47 0.0000 | 925.92

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

```

5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=25.12 P-val=0.0028

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 89090.50

Kleibergen-Paap Wald rk F statistic 925.92

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,51)=	2.14	P-val=0.0430
Anderson-Rubin Wald test	Chi-sq(9)=	19.62	P-val=0.0204
Stock-Wright LM S statistic	Chi-sq(9)=	9.96	P-val=0.3541

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	191505
Number of regressors	K =	2
Number of endogenous regressors	K1 =	1
Number of instruments	L =	10
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	191505
		F(2, 51) =	45.77
		Prob > F =	0.0000
Total (centered) SS =	1154408.756	Centered R2 =	0.0003
Total (uncentered) SS =	1154408.756	Uncentered R2 =	0.0003
Residual SS =	1154090.183	Root MSE =	2.455

nstw24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	.0032316	.001902	1.70	0.089	-.0004963	.0069594
phase2_st	.2873338	.0408962	7.03	0.000	.2071787	.3674888

Underidentification test (Kleibergen-Paap rk LM statistic): 25.120
Chi-sq(9) P-val = 0.0028

Weak identification test (Cragg-Donald Wald F statistic): 8.9e+04
(Kleibergen-Paap rk Wald F statistic): 925.920

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	20.53
	10% maximal IV relative bias	11.46
	20% maximal IV relative bias	6.65
	30% maximal IV relative bias	4.92
	10% maximal IV size	36.19
	15% maximal IV size	19.71
	20% maximal IV size	14.01

25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 9.911
 Chi-sq(8) P-val = 0.2713

Instrumented: mototkt
 Included instruments: phase2_st
 Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
 imm_pl9 imm_pl10
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_unemp.xls
 dir : seeout

phase 2 & phase 3 dependent variable: nstw36, unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(9)	P-val	AP F(9, 51)	
mototkt	925.92	0.0000	8501.47	0.0000	925.92	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 7.959
 Chi-sq(8) P-val = 0.4375

Instrumented: mototkt
 Included instruments: phase2_st
 Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
 imm_pl9 imm_pl10
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_unemp.xls
 dir : seeout

phase 2 & phase 3 dependent variable: nstw48, unemployment: unemp

Summary results for first-stage regressions

Variable	F(9, 51)	P-val	(Underid)	P-val	(Weak id)
mototkt	925.92	0.0000	8501.47	0.0000	925.92

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01

25% maximal IV size 11.07
 Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(9)=25.12 P-val=0.0028

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 89090.50
 Kleibergen-Paap Wald rk F statistic 925.92

Stock-Yogo weak ID test critical values for K1=1 and L1=9:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,51)= 1.06 P-val=0.4065
 Anderson-Rubin Wald test Chi-sq(9)= 9.75 P-val=0.3713
 Stock-Wright LM S statistic Chi-sq(9)= 6.53 P-val=0.6857

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 191505
 Number of regressors K = 2
 Number of endogenous regressors K1 = 1
 Number of instruments L = 10
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 99
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 191505
 F(2, 51) = 30.04
 Prob > F = 0.0000
 Total (centered) SS = 6677294.677 Centered R2 = 0.0001
 Total (uncentered) SS = 6677294.677 Uncentered R2 = 0.0001
 Residual SS = 6676363.709 Root MSE = 5.904

	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
nstw48						
mototkt	.0036894	.0047336	0.78	0.436	-.0055882	.0129671

```

phase2_st | .5020517 .0866973 5.79 0.000 .3321281 .6719753
-----

```

```

Underidentification test (Kleibergen-Paap rk LM statistic): 25.120
Chi-sq(9) P-val = 0.0028
-----

```

```

Weak identification test (Cragg-Donald Wald F statistic): 8.9e+04
(Kleibergen-Paap rk Wald F statistic): 925.920
-----

```

```

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07
-----

```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

Hansen J statistic (overidentification test of all instruments): 6.356
Chi-sq(8) P-val = 0.6074
-----

```

```

Instrumented: mototkt
Included instruments: phase2_st
Excluded instruments: imm_p11 imm_p13 imm_p14 imm_p15 imm_p16 imm_p17 imm_p18
imm_p19 imm_p110
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_unemp.xls
dir : seeout

```

phase 2 & phase 3 with interactions dependent variable: ldwroll12,
 unemployment: unemp

Summary results for first-stage regressions

```

-----
Variable | F( 9, 51) P-val | AP Chi-sq( 8) P-val | AP F( 8, 51)
mototkt | 925.92 0.0000 | 4456.07 0.0000 | 545.99
int_mototkt | 18.30 0.0000 | 60.72 0.0000 | 7.44
-----

```

NB: first-stage test statistics cluster-robust

Total (centered) SS = 3039.525566 Centered R2 = -0.0002
 Total (uncentered) SS = 3039.525566 Uncentered R2 = -0.0002
 Residual SS = 3039.983698 Root MSE = .126

```
-----
```

ldwroll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0006286	.0010312	-0.61	0.542	-.0026497	.0013925
int_mototkt	.0016029	.0022721	0.71	0.481	-.0028504	.0060561
phase2_st	.0036199	.0063861	0.57	0.571	-.0088966	.0161363

```
-----
```

Underidentification test (Kleibergen-Paap rk LM statistic): 19.216
 Chi-sq(8) P-val = 0.0137

```
-----
```

Weak identification test (Cragg-Donald Wald F statistic): 219.872
 (Kleibergen-Paap rk Wald F statistic): 7.621

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```
-----
```

Hansen J statistic (overidentification test of all instruments): 8.728
 Chi-sq(7) P-val = 0.2728

```
-----
```

Instrumented: mototkt int_mototkt
 Included instruments: phase2_st
 Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
 imm_pl9 imm_pl10

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

```
-----
```

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_interact_unemp
 > .xls
 dir : seeout

phase 2 & phase 3 with interactions dependent variable: ldwroll24,
 unemployment: unemp

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52
Number of obs = 191505
F(3, 51) = 2.43
Prob > F = 0.0755
Centered R2 = -0.0002
Uncentered R2 = -0.0002
Root MSE = .1746

Table with 7 columns: Variable, Coef., Robust Std. Err., z, P>|z|, [95% Conf. Interval]. Rows include ldwroll24, mototkt, int_mototkt, and phase2_st.

Underidentification test (Kleibergen-Paap rk LM statistic): 19.216
Chi-sq(8) P-val = 0.0137

Weak identification test (Cragg-Donald Wald F statistic): 219.872
(Kleibergen-Paap rk Wald F statistic): 7.621

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.30
10% maximal IV relative bias 10.43
20% maximal IV relative bias 6.22
30% maximal IV relative bias 4.69
10% maximal IV size 27.51
15% maximal IV size 15.24
20% maximal IV size 11.03
25% maximal IV size 8.85

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 9.196
Chi-sq(7) P-val = 0.2389

Instrumented: mototkt int_mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for

20% maximal IV size 11.03
 25% maximal IV size 8.85

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 2.33 P-val=0.0278
 Anderson-Rubin Wald test Chi-sq(9)= 21.38 P-val=0.0111
 Stock-Wright LM S statistic Chi-sq(9)= 9.04 P-val=0.4332

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 191505
 Number of regressors K = 3
 Number of endogenous regressors K1 = 2
 Number of instruments L = 10
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 99
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 191505
 F(3, 51) = 0.37
 Prob > F = 0.7730
 Total (centered) SS = 10445.26663 Centered R2 = -0.0002
 Total (uncentered) SS = 10445.26663 Uncentered R2 = -0.0002
 Residual SS = 10446.91025 Root MSE = .2336

ldwroll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0011786	.0015604	-0.76	0.450	-.004237	.0018798
int_mototkt	.0022326	.0036468	0.61	0.540	-.004915	.0093803
phase2_st	-.0036327	.0108576	-0.33	0.738	-.0249132	.0176478

Underidentification test (Kleibergen-Paap rk LM statistic): 19.216
 Chi-sq(8) P-val = 0.0137

Weak identification test (Cragg-Donald Wald F statistic): 219.872
 (Kleibergen-Paap rk Wald F statistic): 7.621

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.30
 10% maximal IV relative bias 10.43
 20% maximal IV relative bias 6.22
 30% maximal IV relative bias 4.69
 10% maximal IV size 27.51
 15% maximal IV size 15.24
 20% maximal IV size 11.03
 25% maximal IV size 8.85

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 6.137
 Chi-sq(7) P-val = 0.5239

```

-----
Instrumented:      mototkt int_mototkt
Included instruments: phase2_st
Excluded instruments: imm_p11 imm_p13 imm_p14 imm_p15 imm_p16 imm_p17 imm_p18
imm_p19 imm_p110
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_unemp
> .xls
dir : seeout

```

phase 2 & phase 3 with interactions dependent variable: eperoll12,
unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(8)	P-val	AP F(8, 51)	
mototkt	925.92	0.0000	4456.07	0.0000	545.99	
int_mototkt	18.30	0.0000	60.72	0.0000	7.44	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.39
20% maximal IV relative bias	6.69
30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(8)=19.22 P-val=0.0137

Weak identification test

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 219.87
 Kleibergen-Paap Wald rk F statistic 7.62

Stock-Yogo weak ID test critical values for K1=2 and L1=9:
 5% maximal IV relative bias 18.30
 10% maximal IV relative bias 10.43
 20% maximal IV relative bias 6.22
 30% maximal IV relative bias 4.69
 10% maximal IV size 27.51
 15% maximal IV size 15.24
 20% maximal IV size 11.03
 25% maximal IV size 8.85

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,51)= 0.99 P-val=0.4573
 Anderson-Rubin Wald test Chi-sq(9)= 9.12 P-val=0.4262
 Stock-Wright LM S statistic Chi-sq(9)= 9.63 P-val=0.3816

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 191505
 Number of regressors K = 3
 Number of endogenous regressors K1 = 2
 Number of instruments L = 10
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 99
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 191505
 F(3, 51) = 2.25
 Prob > F = 0.0936
 Total (centered) SS = 4020.788281 Centered R2 = -0.0019
 Total (uncentered) SS = 4020.788281 Uncentered R2 = -0.0019
 Residual SS = 4028.255915 Root MSE = .145

eperoll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	-.0021336	.0018466	-1.16	0.248	-.0057529 .0014857
int_mototkt	.0053195	.0040863	1.30	0.193	-.0026895 .0133285
phase2_st	-.0098946	.012327	-0.80	0.422	-.0340551 .0142658

Underidentification test (Kleibergen-Paap rk LM statistic): 19.216
 Chi-sq(8) P-val = 0.0137

Weak identification test (Cragg-Donald Wald F statistic): 219.872
 (Kleibergen-Paap rk Wald F statistic): 7.621

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.30
 10% maximal IV relative bias 10.43

20% maximal IV relative bias 6.22
 30% maximal IV relative bias 4.69
 10% maximal IV size 27.51
 15% maximal IV size 15.24
 20% maximal IV size 11.03
 25% maximal IV size 8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 4.179
 Chi-sq(7) P-val = 0.7589

Instrumented: mototkt int_mototkt
 Included instruments: phase2_st
 Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
 imm_pl9 imm_pl10
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_interact_unemp
 > .xls
 dir : seeout

phase 2 & phase 3 with interactions dependent variable: eperoll24,
 unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(8)	P-val	AP F(8, 51)	
mototkt	925.92	0.0000	4456.07	0.0000	545.99	
int_mototkt	18.30	0.0000	60.72	0.0000	7.44	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.39
 20% maximal IV relative bias 6.69
 30% maximal IV relative bias 4.99
 10% maximal IV size 33.84
 15% maximal IV size 18.54

20% maximal IV size 13.24
 25% maximal IV size 10.50

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(8)=19.22 P-val=0.0137

Weak identification test

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 219.87
 Kleibergen-Paap Wald rk F statistic 7.62

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

5% maximal IV relative bias 18.30
 10% maximal IV relative bias 10.43
 20% maximal IV relative bias 6.22
 30% maximal IV relative bias 4.69
 10% maximal IV size 27.51
 15% maximal IV size 15.24
 20% maximal IV size 11.03
 25% maximal IV size 8.85

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 2.27 P-val=0.0319
 Anderson-Rubin Wald test Chi-sq(9)= 20.82 P-val=0.0135
 Stock-Wright LM S statistic Chi-sq(9)= 11.61 P-val=0.2363

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 191505
 Number of regressors K = 3
 Number of endogenous regressors K1 = 2
 Number of instruments L = 10
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 191505
 F(3, 51) = 1.25
 Prob > F = 0.3024
 Total (centered) SS = 7662.896702 Centered R2 = -0.0008
 Total (uncentered) SS = 7662.896702 Uncentered R2 = -0.0008
 Residual SS = 7669.139617 Root MSE = .2001

	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
eperoll24					

mototkt		-.0021108	.0016518	-1.28	0.201	-.0053484	.0011267
int_mototkt		.0047721	.0039368	1.21	0.225	-.0029439	.0124881
phase2_st		-.0073515	.0129953	-0.57	0.572	-.0328218	.0181189

Underidentification test (Kleibergen-Paap rk LM statistic): 19.216
Chi-sq(8) P-val = 0.0137

Weak identification test (Cragg-Donald Wald F statistic): 219.872
(Kleibergen-Paap rk Wald F statistic): 7.621

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.30
10% maximal IV relative bias 10.43
20% maximal IV relative bias 6.22
30% maximal IV relative bias 4.69
10% maximal IV size 27.51
15% maximal IV size 15.24
20% maximal IV size 11.03
25% maximal IV size 8.85

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 8.759
Chi-sq(7) P-val = 0.2704

Instrumented: mototkt int_mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_unemp
> .xls
dir : seeout

phase 2 & phase 3 with interactions dependent variable: eperoll36,
unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(8)	P-val	AP F(8, 51)	
mototkt	925.92	0.0000	4456.07	0.0000	545.99	

int_mototkt | 18.30 0.0000 | 60.72 0.0000 | 7.44

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.39
20% maximal IV relative bias	6.69
30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(8)=19.22 P-val=0.0137

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 219.87

Kleibergen-Paap Wald rk F statistic 7.62

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 3.85 P-val=0.0009

Anderson-Rubin Wald test Chi-sq(9)= 35.34 P-val=0.0001

Stock-Wright LM S statistic Chi-sq(9)= 15.04 P-val=0.0899

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 191505

Number of regressors K = 3

Number of endogenous regressors K1 = 2

Number of instruments L = 10

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

phase 2 & phase 3 with interactions dependent variable: eperoll48,
unemployment: unemp

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(9, 51)	P-val	AP Chi-sq(8)	P-val	AP F(8, 51)	
mototkt	925.92	0.0000	4456.07	0.0000	545.99	
int_mototkt	18.30	0.0000	60.72	0.0000	7.44	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.39
20% maximal IV relative bias	6.69
30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(8)=19.22 P-val=0.0137

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 219.87

Kleibergen-Paap Wald rk F statistic 7.62

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 1.82 P-val=0.0877

Anderson-Rubin Wald test Chi-sq(9)= 16.69 P-val=0.0539

Stock-Wright LM S statistic Chi-sq(9)= 9.74 P-val=0.3721

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	191505
Number of regressors	K =	3
Number of endogenous regressors	K1 =	2


```

st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_unemp
> .xls
dir : seeout

```

phase 2 & phase 3 with interactions dependent variable: twproll12,
unemployment: unemp

Summary results for first-stage regressions

```

-----
Variable | F( 9, 51) P-val | (Underid) AP Chi-sq( 8) P-val | (Weak id) AP F( 8, 51)
mototkt | 925.92 0.0000 | 4456.07 0.0000 | 545.99
int_mototkt | 18.30 0.0000 | 60.72 0.0000 | 7.44

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

```

5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.39
20% maximal IV relative bias 6.69
30% maximal IV relative bias 4.99
10% maximal IV size 33.84
15% maximal IV size 18.54
20% maximal IV size 13.24
25% maximal IV size 10.50

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(8)=19.22 P-val=0.0137

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 219.87

Kleibergen-Paap Wald rk F statistic 7.62

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

```

5% maximal IV relative bias 18.30
10% maximal IV relative bias 10.43
20% maximal IV relative bias 6.22
30% maximal IV relative bias 4.69
10% maximal IV size 27.51
15% maximal IV size 15.24
20% maximal IV size 11.03
25% maximal IV size 8.85

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid


```

tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_unemp
> .xls
dir : seeout

```

phase 2 & phase 3 with interactions dependent variable: twproll24,
unemployment: unemp

Summary results for first-stage regressions

```

-----
Variable | F( 9, 51) P-val | (Underid) AP Chi-sq( 8) P-val | (Weak id) AP F( 8, 51)
mototkt | 925.92 0.0000 | 4456.07 0.0000 | 545.99
int_mototkt | 18.30 0.0000 | 60.72 0.0000 | 7.44

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.39
20% maximal IV relative bias	6.69
30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(8)=19.22 P-val=0.0137

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 219.87

Kleibergen-Paap Wald rk F statistic 7.62

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22

30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,51)=	1.02	P-val=0.4396
Anderson-Rubin Wald test	Chi-sq(9)=	9.33	P-val=0.4071
Stock-Wright LM S statistic	Chi-sq(9)=	6.30	P-val=0.7100

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	191505
Number of regressors	K =	3
Number of endogenous regressors	K1 =	2
Number of instruments	L =	10
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	191505
		F(3, 51) =	2.28
		Prob > F =	0.0908
Total (centered) SS =	10449.58886	Centered R2 =	-0.0014
Total (uncentered) SS =	10449.58886	Uncentered R2 =	-0.0014
Residual SS =	10464.66246	Root MSE =	.2338

twproll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	.0031711	.0025157	1.26	0.207	-.0017595	.0081017
int_mototkt	-.0078551	.0055063	-1.43	0.154	-.0186473	.002937
phase2_st	.0108252	.0140912	0.77	0.442	-.0167931	.0384434

Underidentification test (Kleibergen-Paap rk LM statistic): 19.216
Chi-sq(8) P-val = 0.0137

Weak identification test (Cragg-Donald Wald F statistic): 219.872
(Kleibergen-Paap rk Wald F statistic): 7.621

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	18.30
	10% maximal IV relative bias	10.43
	20% maximal IV relative bias	6.22
	30% maximal IV relative bias	4.69
	10% maximal IV size	27.51
	15% maximal IV size	15.24
	20% maximal IV size	11.03
	25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 4.071
Chi-sq(7) P-val = 0.7715

Instrumented: mototkt int_mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_unemp
> .xls
dir : seeout

phase 2 & phase 3 with interactions dependent variable: twproll36,
unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(8)	P-val	AP F(8, 51)	
mototkt	925.92	0.0000	4456.07	0.0000	545.99	
int_mototkt	18.30	0.0000	60.72	0.0000	7.44	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.39
20% maximal IV relative bias	6.69
30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(8)=19.22 P-val=0.0137

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 219.87

Kleibergen-Paap Wald rk F statistic 7.62

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

5% maximal IV relative bias 18.30

10% maximal IV relative bias 10.43

20% maximal IV relative bias 6.22

30% maximal IV relative bias 4.69

10% maximal IV size 27.51

15% maximal IV size 15.24

20% maximal IV size 11.03

25% maximal IV size 8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 0.91 P-val=0.5251

Anderson-Rubin Wald test Chi-sq(9)= 8.34 P-val=0.5000

Stock-Wright LM S statistic Chi-sq(9)= 6.25 P-val=0.7142

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 191505

Number of regressors K = 3

Number of endogenous regressors K1 = 2

Number of instruments L = 10

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 191505

F(3, 51) = 3.84

Prob > F = 0.0148

Total (centered) SS = 13319.35584 Centered R2 = 0.0000

Total (uncentered) SS = 13319.35584 Uncentered R2 = 0.0000

Residual SS = 13319.09496 Root MSE = .2637

twproll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	.0003368	.001705	0.20	0.843	-.0030049	.0036785
int_mototkt	-.0014855	.0040877	-0.36	0.716	-.0094972	.0065262
phase2_st	-.0106781	.0122168	-0.87	0.382	-.0346225	.0132663

Underidentification test (Kleibergen-Paap rk LM statistic): 19.216
Chi-sq(8) P-val = 0.0137

Weak identification test (Cragg-Donald Wald F statistic): 219.872

```

(Kleibergen-Paap rk Wald F statistic):          7.621
Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.30
                                           10% maximal IV relative bias 10.43
                                           20% maximal IV relative bias 6.22
                                           30% maximal IV relative bias 4.69
                                           10% maximal IV size 27.51
                                           15% maximal IV size 15.24
                                           20% maximal IV size 11.03
                                           25% maximal IV size 8.85

```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments): 4.641
                                                                Chi-sq(7) P-val = 0.7037
-----

```

```

Instrumented:      mototkt int_mototkt
Included instruments: phase2_st
Excluded instruments: imm_p11 imm_p13 imm_p14 imm_p15 imm_p16 imm_p17 imm_p18
                    imm_p19 imm_p110
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                    race_b race_h race_i race_o race_mis tsd_edu_hs
                    tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                    tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                    tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                    pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                    cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                    diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                    twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                    st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                    st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                    st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                    st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                    st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                    st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
                    ime_miss_cons
                    nb: small-sample adjustments account for
                        partialled-out variables
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_unemp
> .xls
dir : seeout

```

phase 2 & phase 3 with interactions dependent variable: twproll48,
 unemployment: unemp

Summary results for first-stage regressions

```

-----
Variable      | F( 9, 51) P-val | (Underid) AP Chi-sq( 8) P-val | (Weak id) AP F( 8, 51)
mototkt       | 925.92 0.0000 | 4456.07 0.0000 | 545.99
int_mototkt   | 18.30 0.0000 | 60.72 0.0000 | 7.44
-----

```

NB: first-stage test statistics cluster-robust

```

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.39
20% maximal IV relative bias 6.69

```

30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(8)=19.22 P-val=0.0137

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 219.87

Kleibergen-Paap Wald rk F statistic 7.62

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 0.55 P-val=0.8279

Anderson-Rubin Wald test Chi-sq(9)= 5.08 P-val=0.8270

Stock-Wright LM S statistic Chi-sq(9)= 3.93 P-val=0.9160

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	191505
Number of regressors	K =	3
Number of endogenous regressors	K1 =	2
Number of instruments	L =	10
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	191505
		F(3, 51) =	4.13
		Prob > F =	0.0107
Total (centered) SS =	15034.28927	Centered R2 =	-0.0000
Total (uncentered) SS =	15034.28927	Uncentered R2 =	-0.0000
Residual SS =	15034.59097	Root MSE =	.2802

twproll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	.0008364	.002362	0.35	0.723	-.0037931	.0054659
int_mototkt	-.0024802	.0057533	-0.43	0.666	-.0137565	.0087961
phase2_st	-.0131228	.0163466	-0.80	0.422	-.0451615	.018916

Underidentification test (Kleibergen-Paap rk LM statistic): 19.216
Chi-sq(8) P-val = 0.0137

Weak identification test (Cragg-Donald Wald F statistic): 219.872
(Kleibergen-Paap rk Wald F statistic): 7.621

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 2.978
Chi-sq(7) P-val = 0.8870

Instrumented: mototkt int_mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8 imm_pl9 imm_pl10
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_unemp
> .xls
dir : seeout

phase 2 & phase 3 with interactions dependent variable: srvroll12,
unemployment: unemp

Summary results for first-stage regressions

st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime_l
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_interact_unemp
 > .xls
 dir : seeout

phase 2 & phase 3 with interactions dependent variable: srvroll36,
 unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(8)	P-val	AP F(8, 51)	
mototkt	925.92	0.0000	4456.07	0.0000	545.99	
int_mototkt	18.30	0.0000	60.72	0.0000	7.44	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.39
20% maximal IV relative bias	6.69
30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(8)=19.22 P-val=0.0137

Weak identification test

Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 219.87
 Kleibergen-Paap Wald rk F statistic 7.62

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,51)=	1.36	P-val=0.2287
Anderson-Rubin Wald test	Chi-sq(9)=	12.53	P-val=0.1850
Stock-Wright LM S statistic	Chi-sq(9)=	7.23	P-val=0.6134

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	191505
Number of regressors	K =	3
Number of endogenous regressors	K1 =	2
Number of instruments	L =	10
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	191505
		F(3, 51) =	13.92
		Prob > F =	0.0000
Total (centered) SS =	4347.405533	Centered R2 =	-0.0005
Total (uncentered) SS =	4347.405533	Uncentered R2 =	-0.0005
Residual SS =	4349.438629	Root MSE =	.1507

srvroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	.0010216	.0009427	1.08	0.279	-.0008261 .0028693
int_mototkt	-.0030791	.0022264	-1.38	0.167	-.0074427 .0012846
phase2_st	-.0056292	.0082981	-0.68	0.498	-.0218932 .0106349

Underidentification test (Kleibergen-Paap rk LM statistic): 19.216
Chi-sq(8) P-val = 0.0137

Weak identification test (Cragg-Donald Wald F statistic): 219.872
(Kleibergen-Paap rk Wald F statistic): 7.621

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 2.650
Chi-sq(7) P-val = 0.9154

Instrumented: mototkt int_mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8 imm_pl9 imm_pl10

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_interact_unemp
 > .xls
 dir : seeout

phase 2 & phase 3 with interactions dependent variable: srvroll48,
 unemployment: unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(8)	P-val	AP F(8, 51)	
mototkt	925.92	0.0000	4456.07	0.0000	545.99	
int_mototkt	18.30	0.0000	60.72	0.0000	7.44	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.39
20% maximal IV relative bias	6.69
30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(8)=19.22 P-val=0.0137

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 219.87
 Kleibergen-Paap Wald rk F statistic 7.62

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,51)=	1.60	P-val=0.1397
Anderson-Rubin Wald test	Chi-sq(9)=	14.71	P-val=0.0992
Stock-Wright LM S statistic	Chi-sq(9)=	9.22	P-val=0.4175

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	191505
Number of regressors	K =	3
Number of endogenous regressors	K1 =	2
Number of instruments	L =	10
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	99

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	191505
		F(3, 51) =	8.20
		Prob > F =	0.0001
Total (centered) SS =	4599.297128	Centered R2 =	-0.0009
Total (uncentered) SS =	4599.297128	Uncentered R2 =	-0.0009
Residual SS =	4603.482874	Root MSE =	.155

srvroll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	.0014118	.0010933	1.29	0.197	-.000731	.0035546
int_mototkt	-.003917	.0024248	-1.62	0.106	-.0086695	.0008354
phase2_st	-.0028045	.0072319	-0.39	0.698	-.0169788	.0113698

Underidentification test (Kleibergen-Paap rk LM statistic): 19.216
Chi-sq(8) P-val = 0.0137

Weak identification test (Cragg-Donald Wald F statistic): 219.872
(Kleibergen-Paap rk Wald F statistic): 7.621

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	18.30
	10% maximal IV relative bias	10.43
	20% maximal IV relative bias	6.22
	30% maximal IV relative bias	4.69
	10% maximal IV size	27.51
	15% maximal IV size	15.24
	20% maximal IV size	11.03

25% maximal IV size 8.85
 Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 1.924
 Chi-sq(7) P-val = 0.9639

Instrumented: mototkt int_mototkt
 Included instruments: phase2_st
 Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
 imm_pl9 imm_pl10
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss ime1
 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_interact_unemp
 > .xls
 dir : seeout

phase 2 & phase 3 with interactions dependent variable: nstwl2, unemployment:
 unemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 51)	P-val	AP Chi-sq(8)	P-val	AP F(8, 51)	
mototkt	925.92	0.0000	4456.07	0.0000	545.99	
int_mototkt	18.30	0.0000	60.72	0.0000	7.44	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.39
 20% maximal IV relative bias 6.69
 30% maximal IV relative bias 4.99
 10% maximal IV size 33.84
 15% maximal IV size 18.54
 20% maximal IV size 13.24
 25% maximal IV size 10.50

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.


```

Chi-sq(8) P-val = 0.0137
-----
Weak identification test (Cragg-Donald Wald F statistic): 219.872
(Kleibergen-Paap rk Wald F statistic): 7.621
Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.30
10% maximal IV relative bias 10.43
20% maximal IV relative bias 6.22
30% maximal IV relative bias 4.69
10% maximal IV size 27.51
15% maximal IV size 15.24
20% maximal IV size 11.03
25% maximal IV size 8.85

```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments): 8.852
Chi-sq(7) P-val = 0.2635
-----

```

```

Instrumented:      mototkt int_mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_unemp
> .xls
dir : seeout

```

phase 2 & phase 3 with interactions dependent variable: nstw24, unemployment:
 unemp

Summary results for first-stage regressions

```

-----
Variable | F( 9, 51) P-val | (Underid) AP Chi-sq( 8) P-val | (Weak id) AP F( 8, 51)
mototkt | 925.92 0.0000 | 4456.07 0.0000 | 545.99
int_mototkt | 18.30 0.0000 | 60.72 0.0000 | 7.44

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

Residual SS = 1154162.299 Root MSE = 2.455

nstw24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	.0100461	.0182402	0.55	0.582	-.025704	.0457962
int_mototkt	-.0160444	.0417656	-0.38	0.701	-.0979035	.0658147
phase2_st	.3308105	.1150048	2.88	0.004	.1054053	.5562157

Underidentification test (Kleibergen-Paap rk LM statistic): 19.216
Chi-sq(8) P-val = 0.0137

Weak identification test (Cragg-Donald Wald F statistic): 219.872
(Kleibergen-Paap rk Wald F statistic): 7.621

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 9.711
Chi-sq(7) P-val = 0.2055

```

Instrumented:      mototkt int_mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_unemp
> .xls
dir : seeout

```

phase 2 & phase 3 with interactions dependent variable: nstw36, unemployment:
unemp


```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_unemp
> .xls
dir : seeout

```

phase 2 & phase 3 with interactions dependent variable: nstw48, unemployment: unemp

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(9, 51)	P-val	AP Chi-sq(8)	P-val	AP F(8, 51)	
mototkt	925.92	0.0000	4456.07	0.0000	545.99	
int_mototkt	18.30	0.0000	60.72	0.0000	7.44	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.39
20% maximal IV relative bias	6.69
30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(8)=19.22 P-val=0.0137

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 219.87

Kleibergen-Paap Wald rk F statistic 7.62

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,51)= 1.06 P-val=0.4065

Anderson-Rubin Wald test Chi-sq(9)= 9.75 P-val=0.3713

Stock-Wright LM S statistic Chi-sq(9)= 6.53 P-val=0.6857

NB: Underidentification, weak identification and weak-identification-robust


```

twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss_cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_unemp
> .xls
dir : seeout

```

```

***phase 1 NO NY*** dependent variable: ldwroll12, unemployment: nounemp
Warning - collinearities detected
Vars dropped:      st_ND st_NY

```

Summary results for first-stage regressions

```

-----
Variable      | F( 3, 51) P-val | AP Chi-sq( 3) P-val | AP F( 3, 51)
mototkt      | 3.1e+05 0.0000 | 9.6e+05 0.0000 | 3.1e+05

```

NB: first-stage test statistics cluster-robust

```

Stock-Yogo weak ID test critical values for single endogenous regressor:
    5% maximal IV relative bias 13.91
    10% maximal IV relative bias 9.08
    20% maximal IV relative bias 6.46
    30% maximal IV relative bias 5.39
    10% maximal IV size 22.30
    15% maximal IV size 12.83
    20% maximal IV size 9.54
    25% maximal IV size 7.80

```

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

Underidentification test
Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
Ha: matrix has rank=K1 (identified)
Kleibergen-Paap rk LM statistic      Chi-sq(3)=7.70      P-val=0.0526

```

```

Weak identification test
Ho: equation is weakly identified
Cragg-Donald Wald F statistic      1.5e+05
Kleibergen-Paap Wald rk F statistic 3.1e+05

```

```

Stock-Yogo weak ID test critical values for K1=1 and L1=3:
    5% maximal IV relative bias 13.91
    10% maximal IV relative bias 9.08
    20% maximal IV relative bias 6.46
    30% maximal IV relative bias 5.39
    10% maximal IV size 22.30
    15% maximal IV size 12.83
    20% maximal IV size 9.54
    25% maximal IV size 7.80

```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,51)= 3.46 P-val=0.0230
 Anderson-Rubin Wald test Chi-sq(3)= 10.59 P-val=0.0141
 Stock-Wright LM S statistic Chi-sq(3)= 5.48 P-val=0.1398

NB: Underidentification, weak identification and weak-identification-robust
 test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 43080
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 3
 Number of excluded instruments L1 = 3
 Number of partialled-out regressors/IVs = 95

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
 F(1, 51) = 0.12
 Prob > F = 0.7351
 Total (centered) SS = 889.403882 Centered R2 = -0.0000
 Total (uncentered) SS = 889.403882 Uncentered R2 = -0.0000
 Residual SS = 889.4053927 Root MSE = .1437

ldwroll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	-.0002861	.0008319	-0.34	0.731	-.0019167 .0013445

Underidentification test (Kleibergen-Paap rk LM statistic): 7.703
 Chi-sq(3) P-val = 0.0526

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
 (Kleibergen-Paap rk Wald F statistic): 3.1e+05

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 13.91
 10% maximal IV relative bias 9.08
 20% maximal IV relative bias 6.46
 30% maximal IV relative bias 5.39
 10% maximal IV size 22.30
 15% maximal IV size 12.83
 20% maximal IV size 9.54
 25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 4.127
 Chi-sq(2) P-val = 0.1270

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm3 imm4

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial
 pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

Dropped collinear: st_ND st_NY

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH1NONY_nounemp.xls
 dir : seeout

phase 1 NO NY dependent variable: ldwroll24, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 51)	P-val	AP Chi-sq(3)	P-val
mototkt	3.1e+05	0.0000	9.6e+05	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(3)=7.70 P-val=0.0526

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 1.5e+05
 Kleibergen-Paap Wald rk F statistic 3.1e+05

Stock-Yogo weak ID test critical values for K1=1 and L1=3:
 5% maximal IV relative bias 13.91

10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(3,51)=	0.25	P-val=0.8607
Anderson-Rubin Wald test	Chi-sq(3)=	0.77	P-val=0.8572
Stock-Wright LM S statistic	Chi-sq(3)=	0.63	P-val=0.8903

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	43080
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	3
Number of excluded instruments	L1 =	3
Number of partialled-out regressors/IVs =		95

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(1, 51) =	0.01
		Prob > F =	0.9229
Total (centered) SS =	1647.690531	Centered R2 =	0.0000
Total (uncentered) SS =	1647.690531	Uncentered R2 =	0.0000
Residual SS =	1647.68483	Root MSE =	.1956

ldwroll24		Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]

mototkt		.0001254	.0012752	0.10	0.922	-.0023739 .0026248

Underidentification test (Kleibergen-Paap rk LM statistic):	7.703
Chi-sq(3) P-val =	0.0526

Weak identification test (Cragg-Donald Wald F statistic):	1.5e+05
(Kleibergen-Paap rk Wald F statistic):	3.1e+05

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	13.91
	10% maximal IV relative bias	9.08
	20% maximal IV relative bias	6.46
	30% maximal IV relative bias	5.39
	10% maximal IV size	22.30
	15% maximal IV size	12.83
	20% maximal IV size	9.54
	25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 0.540
Chi-sq(2) P-val = 0.7634

Instrumented: mototkt
Included instruments:
Excluded instruments: imm1 imm3 imm4
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pia1
pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables
Dropped collinear: st_ND st_NY

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH1NONY_nounemp.xls
dir : seeout

phase 1 NO NY dependent variable: ldwroll36, unemployment: nounemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 51)	P-val	AP Chi-sq(3)	P-val
mototkt	3.1e+05	0.0000	9.6e+05	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
Ha: matrix has rank=K1 (identified)
Kleibergen-Paap rk LM statistic Chi-sq(3)=7.70 P-val=0.0526

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 1.5e+05
 Kleibergen-Paap Wald rk F statistic 3.1e+05

Stock-Yogo weak ID test critical values for K1=1 and L1=3:
 5% maximal IV relative bias 13.91
 10% maximal IV relative bias 9.08
 20% maximal IV relative bias 6.46
 30% maximal IV relative bias 5.39
 10% maximal IV size 22.30
 15% maximal IV size 12.83
 20% maximal IV size 9.54
 25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(3,51)= 0.77 P-val=0.5161
 Anderson-Rubin Wald test Chi-sq(3)= 2.36 P-val=0.5009
 Stock-Wright LM S statistic Chi-sq(3)= 1.32 P-val=0.7254

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 43080
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 3
 Number of excluded instruments L1 = 3
 Number of partialled-out regressors/IVs = 95
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
 F(1, 51) = 0.47
 Prob > F = 0.4968
 Total (centered) SS = 2313.204494 Centered R2 = -0.0000
 Total (uncentered) SS = 2313.204494 Uncentered R2 = -0.0000
 Residual SS = 2313.217735 Root MSE = .2317

ldwroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	-.0006696	.000968	-0.69	0.489	-.0025668 .0012275

Underidentification test (Kleibergen-Paap rk LM statistic): 7.703
 Chi-sq(3) P-val = 0.0526

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
 (Kleibergen-Paap rk Wald F statistic): 3.1e+05

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 13.91
 10% maximal IV relative bias 9.08
 20% maximal IV relative bias 6.46

30% maximal IV relative bias 5.39
 10% maximal IV size 22.30
 15% maximal IV size 12.83
 20% maximal IV size 9.54
 25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 0.936
 Chi-sq(2) P-val = 0.6261

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm3 imm4
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial
 pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables
 Dropped collinear: st_ND st_NY

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH1NONY_nounemp.xls
 dir : seeout

phase 1 NO NY dependent variable: ldwroll48, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 51)	P-val	AP Chi-sq(3)	P-val
mototkt	3.1e+05	0.0000	9.6e+05	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias 13.91
 10% maximal IV relative bias 9.08
 20% maximal IV relative bias 6.46
 30% maximal IV relative bias 5.39
 10% maximal IV size 22.30
 15% maximal IV size 12.83
 20% maximal IV size 9.54
 25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.

Chi-sq(3) P-val = 0.0526

```

-----
Weak identification test (Cragg-Donald Wald F statistic):      1.5e+05
(Kleibergen-Paap rk Wald F statistic):                      3.1e+05
Stock-Yogo weak ID test critical values:
5% maximal IV relative bias      13.91
10% maximal IV relative bias     9.08
20% maximal IV relative bias     6.46
30% maximal IV relative bias     5.39
10% maximal IV size              22.30
15% maximal IV size              12.83
20% maximal IV size              9.54
25% maximal IV size              7.80

```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments): 1.617
Chi-sq(2) P-val = 0.4456
-----

```

```

Instrumented:      mototkt
Included instruments:
Excluded instruments: imm1 imm3 imm4
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
                  st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
                  st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial
                  pia_miss ime1 ime_miss_cons
                  nb: small-sample adjustments account for
                     partialled-out variables
Dropped collinear: st_ND st_NY
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PhlNONY_nounemp.xls
dir : seeout

```

```

***phase 1 NO NY*** dependent variable: eperoll12, unemployment: nounemp
Warning - collinearities detected
Vars dropped:      st_ND st_NY

```

Summary results for first-stage regressions

```

-----
Variable      | F( 3, 51) P-val | AP Chi-sq( 3) P-val | AP F( 3, 51)
mototkt      | 3.1e+05 0.0000 | 9.6e+05 0.0000 | 3.1e+05

```

NB: first-stage test statistics cluster-robust

```

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias      13.91
10% maximal IV relative bias     9.08

```


eperoll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0003028	.0006992	-0.43	0.665	-.0016731	.0010675

Underidentification test (Kleibergen-Paap rk LM statistic): 7.703
Chi-sq(3) P-val = 0.0526

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
(Kleibergen-Paap rk Wald F statistic): 3.1e+05

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 13.91
10% maximal IV relative bias 9.08
20% maximal IV relative bias 6.46
30% maximal IV relative bias 5.39
10% maximal IV size 22.30
15% maximal IV size 12.83
20% maximal IV size 9.54
25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 0.280
Chi-sq(2) P-val = 0.8693

Instrumented: mototkt
Included instruments:
Excluded instruments: imm1 imm3 imm4
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pia1
pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables
Dropped collinear: st_ND st_NY

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH1NONY_nounemp.xls
dir : seeout

phase 1 NO NY dependent variable: eperoll24, unemployment: nounemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable	F(3, 51)	P-val	(Underid)	AP Chi-sq(3)	P-val	(Weak id)	AP F(3, 51)
----------	-----------	-------	-----------	---------------	-------	-----------	--------------

mototkt | 3.1e+05 0.0000 | 9.6e+05 0.0000 | 3.1e+05

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(3)=7.70 P-val=0.0526

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 3.1e+05

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,51)= 0.33 P-val=0.8036

Anderson-Rubin Wald test Chi-sq(3)= 1.01 P-val=0.7983

Stock-Wright LM S statistic Chi-sq(3)= 0.72 P-val=0.8690

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 43080

Number of regressors K = 1

Number of endogenous regressors K1 = 1

Number of instruments L = 3

Number of excluded instruments L1 = 3

Number of partialled-out regressors/IVs = 95

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) =      52                Number of obs =      43080
                                                    F( 1,      51) =      0.39
                                                    Prob > F      =      0.5366
Total (centered) SS      = 1910.886935                Centered R2      = -0.0000
Total (uncentered) SS  = 1910.886935                Uncentered R2   = -0.0000
Residual SS              = 1910.895753                Root MSE       =      .2106

```

```

-----
      eperoll24 |               Robust
               |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----+-----
      mototkt  | -0.0003578   .0005689    -0.63  0.529   -0.0014728   .0007572
-----

```

```

Underidentification test (Kleibergen-Paap rk LM statistic):      7.703
                                                    Chi-sq(3) P-val =      0.0526
-----

```

```

Weak identification test (Cragg-Donald Wald F statistic):      1.5e+05
(Kleibergen-Paap rk Wald F statistic):      3.1e+05
-----

```

```

Stock-Yogo weak ID test critical values:  5% maximal IV relative bias  13.91
                                           10% maximal IV relative bias   9.08
                                           20% maximal IV relative bias   6.46
                                           30% maximal IV relative bias   5.39
                                           10% maximal IV size            22.30
                                           15% maximal IV size            12.83
                                           20% maximal IV size            9.54
                                           25% maximal IV size            7.80
-----

```

```

Source: Stock-Yogo (2005).  Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.
-----

```

```

Hansen J statistic (overidentification test of all instruments):  0.568
                                                    Chi-sq(2) P-val =      0.7528
-----

```

```

Instrumented:      mototkt
Included instruments:
Excluded instruments: imm1 imm3 imm4
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
                  st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
                  st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pia1
                  pia_miss ime1 ime_miss _cons
                  nb: small-sample adjustments account for
                     partialled-out variables
Dropped collinear: st_ND st_NY
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH1NONY_nounemp.xls
dir : seeout

```

```

***phase 1 NO NY*** dependent variable: eperoll36, unemployment: nounemp
Warning - collinearities detected
Vars dropped:      st_ND st_NY

```


N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH1NONY_nounemp.xls
 dir : seeout

phase 1 NO NY dependent variable: eperoll48, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 51)	P-val	AP Chi-sq(3)	P-val
mototkt	3.1e+05	0.0000	9.6e+05	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(3)=7.70 P-val=0.0526

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 3.1e+05

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,51)= 0.23 P-val=0.8785

Anderson-Rubin Wald test Chi-sq(3)= 0.69 P-val=0.8755

Stock-Wright LM S statistic Chi-sq(3)= 0.51 P-val=0.9168

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

```

Number of clusters          N_clust =      52
Number of observations      N =     43080
Number of regressors       K =          1
Number of endogenous regressors K1 =         1
Number of instruments       L =          3
Number of excluded instruments L1 =         3
Number of partialled-out regressors/IVs =     95
NB: K & L do not included partialled-out variables

```

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) =      52          Number of obs =     43080
                                                F( 1, 51) =      0.00
                                                Prob > F =     0.9525
Total (centered) SS = 3363.035409          Centered R2 = 0.0000
Total (uncentered) SS = 3363.035409       Uncentered R2 = 0.0000
Residual SS = 3363.027668                 Root MSE =     .2794

```

```

-----
          |               Robust
          |   Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
    eperoll148 |
mototkt |   .0000569   .0009389    0.06   0.952   -.0017833   .001897
-----

```

```

Underidentification test (Kleibergen-Paap rk LM statistic):      7.703
                                                                Chi-sq(3) P-val =    0.0526
-----

```

```

Weak identification test (Cragg-Donald Wald F statistic):      1.5e+05
(Kleibergen-Paap rk Wald F statistic):      3.1e+05
Stock-Yogo weak ID test critical values:  5% maximal IV relative bias   13.91
                                           10% maximal IV relative bias    9.08
                                           20% maximal IV relative bias    6.46
                                           30% maximal IV relative bias    5.39
                                           10% maximal IV size            22.30
                                           15% maximal IV size            12.83
                                           20% maximal IV size            9.54
                                           25% maximal IV size            7.80

```

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments):      0.486
                                                                Chi-sq(2) P-val =    0.7842
-----

```

```

Instrumented:      mototkt
Included instruments:
Excluded instruments: imm1 imm3 imm4
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV

```

```

st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial
pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables

```

Dropped collinear: st_ND st_NY

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH1NONY_nounemp.xls
dir : seeout

```

```

***phase 1 NO NY*** dependent variable: twproll12, unemployment: nounemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

```

Summary results for first-stage regressions

```

-----
Variable | F( 3, 51) P-val | AP Chi-sq( 3) P-val | AP F( 3, 51)
mototkt | 3.1e+05 0.0000 | 9.6e+05 0.0000 | 3.1e+05

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

```

5% maximal IV relative bias 13.91
10% maximal IV relative bias 9.08
20% maximal IV relative bias 6.46
30% maximal IV relative bias 5.39
10% maximal IV size 22.30
15% maximal IV size 12.83
20% maximal IV size 9.54
25% maximal IV size 7.80

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(3)=7.70 P-val=0.0526

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 3.1e+05

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

```

5% maximal IV relative bias 13.91
10% maximal IV relative bias 9.08
20% maximal IV relative bias 6.46
30% maximal IV relative bias 5.39
10% maximal IV size 22.30
15% maximal IV size 12.83
20% maximal IV size 9.54
25% maximal IV size 7.80

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid
Anderson-Rubin Wald test F(3,51)= 3.16 P-val=0.0322
Anderson-Rubin Wald test Chi-sq(3)= 9.70 P-val=0.0213
Stock-Wright LM S statistic Chi-sq(3)= 4.30 P-val=0.2309

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
Number of observations N = 43080
Number of regressors K = 1
Number of endogenous regressors K1 = 1
Number of instruments L = 3
Number of excluded instruments L1 = 3
Number of partialled-out regressors/IVs = 95
NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
F(1, 51) = 0.38
Prob > F = 0.5403
Total (centered) SS = 1709.766524 Centered R2 = 0.0000
Total (uncentered) SS = 1709.766524 Uncentered R2 = 0.0000
Residual SS = 1709.752251 Root MSE = .1992

twproll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	.0005662	.0009085	0.62	0.533	-.0012145	.0023468

Underidentification test (Kleibergen-Paap rk LM statistic): 7.703
Chi-sq(3) P-val = 0.0526

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
(Kleibergen-Paap rk Wald F statistic): 3.1e+05
Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 13.91
10% maximal IV relative bias 9.08
20% maximal IV relative bias 6.46
30% maximal IV relative bias 5.39
10% maximal IV size 22.30
15% maximal IV size 12.83
20% maximal IV size 9.54
25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 4.148
Chi-sq(2) P-val = 0.1257

Instrumented: mototkt
Included instruments:
Excluded instruments: imm1 imm3 imm4
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss

pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial
 pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

Dropped collinear: st_ND st_NY

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH1NONY_nounemp.xls
 dir : seeout

phase 1 NO NY dependent variable: twproll24, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 51)	P-val	AP Chi-sq(3)	P-val
mototkt	3.1e+05	0.0000	9.6e+05	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(3)=7.70 P-val=0.0526

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 3.1e+05

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83

20% maximal IV size 9.54
 25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,51)= 0.57 P-val=0.6398
 Anderson-Rubin Wald test Chi-sq(3)= 1.74 P-val=0.6290
 Stock-Wright LM S statistic Chi-sq(3)= 1.76 P-val=0.6235

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 43080
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 3
 Number of excluded instruments L1 = 3
 Number of partialled-out regressors/IVs = 95

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
 F(1, 51) = 0.78
 Prob > F = 0.3827
 Total (centered) SS = 2755.33807 Centered R2 = 0.0000
 Total (uncentered) SS = 2755.33807 Uncentered R2 = 0.0000
 Residual SS = 2755.299073 Root MSE = .2529

twproll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	.0005527	.0006209	0.89	0.373	-.0006642	.0017697

Underidentification test (Kleibergen-Paap rk LM statistic): 7.703
 Chi-sq(3) P-val = 0.0526

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
 (Kleibergen-Paap rk Wald F statistic): 3.1e+05

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 13.91
 10% maximal IV relative bias 9.08
 20% maximal IV relative bias 6.46
 30% maximal IV relative bias 5.39
 10% maximal IV size 22.30
 15% maximal IV size 12.83
 20% maximal IV size 9.54
 25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 0.265
 Chi-sq(2) P-val = 0.8761

Instrumented: mototkt

Included instruments:
 Excluded instruments: imm1 imm3 imm4
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial
 pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables
 Dropped collinear: st_ND st_NY

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH1NONY_nounemp.xls
 dir : seeout

phase 1 NO NY dependent variable: twproll36, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 51)	P-val	AP Chi-sq(3)	P-val
mototkt	3.1e+05	0.0000	9.6e+05	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(3)=7.70 P-val=0.0526

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 1.5e+05
 Kleibergen-Paap Wald rk F statistic 3.1e+05

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(3,51)=	0.62	P-val=0.6055
Anderson-Rubin Wald test	Chi-sq(3)=	1.90	P-val=0.5935
Stock-Wright LM S statistic	Chi-sq(3)=	1.51	P-val=0.6793

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	43080
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	3
Number of excluded instruments	L1 =	3
Number of partialled-out regressors/IVs	=	95

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(1, 51) =	1.06
		Prob > F =	0.3088
Total (centered) SS =	3526.418082	Centered R2 =	0.0000
Total (uncentered) SS =	3526.418082	Uncentered R2 =	0.0000
Residual SS =	3526.342634	Root MSE =	.2861

twproll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	.0007625	.0007339	1.04	0.299	-.0006758 .0022009

Underidentification test (Kleibergen-Paap rk LM statistic): 7.703
Chi-sq(3) P-val = 0.0526

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
(Kleibergen-Paap rk Wald F statistic): 3.1e+05

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	13.91
	10% maximal IV relative bias	9.08
	20% maximal IV relative bias	6.46
	30% maximal IV relative bias	5.39
	10% maximal IV size	22.30
	15% maximal IV size	12.83
	20% maximal IV size	9.54
	25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 0.492
 Chi-sq(2) P-val = 0.7818

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm3 imm4
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial
 pia_miss ime1 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables
 Dropped collinear: st_ND st_NY

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH1NONY_nounemp.xls
 dir : seeout

phase 1 NO NY dependent variable: twproll48, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 51)	P-val	AP Chi-sq(3)	P-val
mototkt	3.1e+05	0.0000	9.6e+05	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(3)=7.70 P-val=0.0526

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 3.1e+05

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

5% maximal IV relative bias 13.91

10% maximal IV relative bias 9.08

20% maximal IV relative bias 6.46

30% maximal IV relative bias 5.39

10% maximal IV size 22.30

15% maximal IV size 12.83

20% maximal IV size 9.54

25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,51)= 0.76 P-val=0.5221

Anderson-Rubin Wald test Chi-sq(3)= 2.33 P-val=0.5071

Stock-Wright LM S statistic Chi-sq(3)= 2.73 P-val=0.4350

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52

Number of observations N = 43080

Number of regressors K = 1

Number of endogenous regressors K1 = 1

Number of instruments L = 3

Number of excluded instruments L1 = 3

Number of partialled-out regressors/IVs = 95

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080

F(1, 51) = 1.71

Prob > F = 0.1969

Total (centered) SS = 4095.113 Centered R2 = 0.0000

Total (uncentered) SS = 4095.113 Uncentered R2 = 0.0000

Residual SS = 4094.999113 Root MSE = .3083

twproll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	.0010822	.0008188	1.32	0.186	-.0005227 .0026871

Underidentification test (Kleibergen-Paap rk LM statistic): 7.703

Chi-sq(3) P-val = 0.0526

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05

(Kleibergen-Paap rk Wald F statistic): 3.1e+05

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 13.91

10% maximal IV relative bias 9.08
 20% maximal IV relative bias 6.46
 30% maximal IV relative bias 5.39
 10% maximal IV size 22.30
 15% maximal IV size 12.83
 20% maximal IV size 9.54
 25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 0.140
 Chi-sq(2) P-val = 0.9322

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm3 imm4
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pia1
 pia_miss ime1 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables
 Dropped collinear: st_ND st_NY

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH1NONY_nounemp.xls
 dir : seeout

phase 1 NO NY dependent variable: srvroll12, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(3, 51)	P-val	AP Chi-sq(3)	P-val	AP F(3, 51)	
mototkt	3.1e+05	0.0000	9.6e+05	0.0000	3.1e+05	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias 13.91
 10% maximal IV relative bias 9.08
 20% maximal IV relative bias 6.46
 30% maximal IV relative bias 5.39
 10% maximal IV size 22.30
 15% maximal IV size 12.83
 20% maximal IV size 9.54

25% maximal IV size 7.80
 Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(3)=7.70 P-val=0.0526

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 1.5e+05
 Kleibergen-Paap Wald rk F statistic 3.1e+05

Stock-Yogo weak ID test critical values for K1=1 and L1=3:
 5% maximal IV relative bias 13.91
 10% maximal IV relative bias 9.08
 20% maximal IV relative bias 6.46
 30% maximal IV relative bias 5.39
 10% maximal IV size 22.30
 15% maximal IV size 12.83
 20% maximal IV size 9.54
 25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(3,51)= 0.67 P-val=0.5774
 Anderson-Rubin Wald test Chi-sq(3)= 2.04 P-val=0.5644
 Stock-Wright LM S statistic Chi-sq(3)= 1.85 P-val=0.6045

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 43080
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 3
 Number of excluded instruments L1 = 3
 Number of partialled-out regressors/IVs = 95
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
 F(1, 51) = 0.85
 Prob > F = 0.3600
 Total (centered) SS = 1074.402101 Centered R2 = 0.0000
 Total (uncentered) SS = 1074.402101 Uncentered R2 = 0.0000
 Residual SS = 1074.355907 Root MSE = .1579

	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
srvroll12						
mototkt	-.0005197	.0005566	-0.93	0.350	-.0016105	.0005711

```
-----
Underidentification test (Kleibergen-Paap rk LM statistic):          7.703
                                                                Chi-sq(3) P-val =    0.0526
-----
```

```
Weak identification test (Cragg-Donald Wald F statistic):          1.5e+05
(Kleibergen-Paap rk Wald F statistic):          3.1e+05
Stock-Yogo weak ID test critical values:  5% maximal IV relative bias  13.91
                                           10% maximal IV relative bias   9.08
                                           20% maximal IV relative bias   6.46
                                           30% maximal IV relative bias   5.39
                                           10% maximal IV size            22.30
                                           15% maximal IV size            12.83
                                           20% maximal IV size            9.54
                                           25% maximal IV size            7.80
```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```
-----
Hansen J statistic (overidentification test of all instruments):    1.846
                                                                Chi-sq(2) P-val =    0.3974
-----
```

```
Instrumented:      mototkt
Included instruments:
Excluded instruments: imm1 imm3 imm4
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
                  st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
                  st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pia1
                  pia_miss ime1 ime_miss_cons
                  nb: small-sample adjustments account for
                     partialled-out variables
Dropped collinear:  st_ND st_NY
-----
```

```
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PhlNONY_nounemp.xls
dir : seeout
```

```
***phase 1 NO NY*** dependent variable: srvroll24, unemployment: nounemp
Warning - collinearities detected
Vars dropped:      st_ND st_NY
```

Summary results for first-stage regressions

```
-----
Variable          | F( 3, 51) P-val | AP Chi-sq( 3) P-val | AP F( 3, 51)
mototkt          | 3.1e+05 0.0000 | 9.6e+05 0.0000 | 3.1e+05
-----
```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

Residual SS = 1372.85998 Root MSE = .1785

srvroll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0002102	.0005017	-0.42	0.675	-.0011935	.0007732

Underidentification test (Kleibergen-Paap rk LM statistic): 7.703
Chi-sq(3) P-val = 0.0526

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
(Kleibergen-Paap rk Wald F statistic): 3.1e+05

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 0.287
Chi-sq(2) P-val = 0.8665

Instrumented: mototkt
Included instruments:
Excluded instruments: imm1 imm3 imm4
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pia1
pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables
Dropped collinear: st_ND st_NY

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH1NONY_nounemp.xls
dir : seeout

phase 1 NO NY dependent variable: srvroll36, unemployment: nounemp
Warning - collinearities detected
Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
F(1, 51) = 0.54
Prob > F = 0.4640
Total (centered) SS = 1387.531997 Centered R2 = 0.0000
Total (uncentered) SS = 1387.531997 Uncentered R2 = 0.0000
Residual SS = 1387.507832 Root MSE = .1795

```
-----  
      |  
      |          Robust  
      |          Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]  
-----+-----  
      | mototkt |  -.0005616   .000753   -0.75   0.456   - .0020375   .0009143  
-----
```

Underidentification test (Kleibergen-Paap rk LM statistic): 7.703
Chi-sq(3) P-val = 0.0526

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
(Kleibergen-Paap rk Wald F statistic): 3.1e+05

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 13.91
10% maximal IV relative bias 9.08
20% maximal IV relative bias 6.46
30% maximal IV relative bias 5.39
10% maximal IV size 22.30
15% maximal IV size 12.83
20% maximal IV size 9.54
25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 1.672
Chi-sq(2) P-val = 0.4334

Instrumented: mototkt
Included instruments:
Excluded instruments: imm1 imm3 imm4
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial
pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables
Dropped collinear: st_ND st_NY

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH1NONY_nounemp.xls
dir : seeout

phase 1 NO NY dependent variable: srvroll48, unemployment: nounemp

Warning - collinearities detected
 Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(3, 51)	P-val	AP Chi-sq(3)	P-val	AP F(3, 51)	
mototkt	3.1e+05	0.0000	9.6e+05	0.0000	3.1e+05	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(3)=7.70 P-val=0.0526

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 3.1e+05

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,51)= 1.80 P-val=0.1594

Anderson-Rubin Wald test Chi-sq(3)= 5.51 P-val=0.1380

Stock-Wright LM S statistic Chi-sq(3)= 3.65 P-val=0.3012

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	43080
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	3
Number of excluded instruments	L1 =	3

Number of partialled-out regressors/IVs = 95
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(1, 51) =	0.10
		Prob > F =	0.7524
Total (centered) SS =	1377.620141	Centered R2 =	0.0000
Total (uncentered) SS =	1377.620141	Uncentered R2 =	0.0000
Residual SS =	1377.618742	Root MSE =	.1788

srvroll148	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.000204	.0006364	-0.32	0.748	-.0014513	.0010432

Underidentification test (Kleibergen-Paap rk LM statistic): 7.703
 Chi-sq(3) P-val = 0.0526

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
 (Kleibergen-Paap rk Wald F statistic): 3.1e+05
 Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 3.654
 Chi-sq(2) P-val = 0.1609

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm3 imm4
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pia1
 pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables
 Dropped collinear: st_ND st_NY

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH1NONY_nounemp.xls
 dir : seeout

phase 1 NO NY dependent variable: nstw12, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 51)	P-val	AP Chi-sq(3)	P-val
mototkt	3.1e+05	0.0000	9.6e+05	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(3)=7.70 P-val=0.0526

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 3.1e+05

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,51)= 0.65 P-val=0.5837

Anderson-Rubin Wald test Chi-sq(3)= 2.01 P-val=0.5709

Stock-Wright LM S statistic Chi-sq(3)= 1.11 P-val=0.7738

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial
 pia_miss ime1 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

Dropped collinear: st_ND st_NY

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH1NONY_nounemp.xls
 dir : seeout

phase 1 NO NY dependent variable: nstw24, unempment: nounemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 51)	P-val	AP Chi-sq(3)	P-val
mototkt	3.1e+05	0.0000	9.6e+05	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(3)=7.70 P-val=0.0526

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 1.5e+05
 Kleibergen-Paap Wald rk F statistic 3.1e+05

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid
Anderson-Rubin Wald test F(3,51)= 1.15 P-val=0.3380
Anderson-Rubin Wald test Chi-sq(3)= 3.53 P-val=0.3175
Stock-Wright LM S statistic Chi-sq(3)= 1.83 P-val=0.6075

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
Number of observations N = 43080
Number of regressors K = 1
Number of endogenous regressors K1 = 1
Number of instruments L = 3
Number of excluded instruments L1 = 3
Number of partialled-out regressors/IVs = 95
NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
F(1, 51) = 0.07
Prob > F = 0.7901
Total (centered) SS = 294972.1489 Centered R2 = 0.0000
Total (uncentered) SS = 294972.1489 Uncentered R2 = 0.0000
Residual SS = 294970.3362 Root MSE = 2.617

```

-----
      |          Robust
      |          Coef.   Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
mototkt |   -.005102   .0188637   -0.27   0.787   -.0420742   .0318702
-----

```

Underidentification test (Kleibergen-Paap rk LM statistic): 7.703
Chi-sq(3) P-val = 0.0526

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
(Kleibergen-Paap rk Wald F statistic): 3.1e+05
Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 13.91
10% maximal IV relative bias 9.08
20% maximal IV relative bias 6.46
30% maximal IV relative bias 5.39
10% maximal IV size 22.30
15% maximal IV size 12.83
20% maximal IV size 9.54
25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 1.234
Chi-sq(2) P-val = 0.5396

```

-----
Instrumented:      mototkt
Included instruments:
Excluded instruments: imm1 imm3 imm4
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss

```


pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial
 pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

Dropped collinear: st_ND st_NY

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH1NONY_nounemp.xls
 dir : seeout

phase 1 NO NY dependent variable: nstw36, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 51)	P-val	AP Chi-sq(3)	P-val
mototkt	3.1e+05	0.0000	9.6e+05	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(3)=7.70 P-val=0.0526

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.5e+05

Kleibergen-Paap Wald rk F statistic 3.1e+05

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83

20% maximal IV size 9.54
 25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(3,51)= 0.62 P-val=0.6040
 Anderson-Rubin Wald test Chi-sq(3)= 1.91 P-val=0.5920
 Stock-Wright LM S statistic Chi-sq(3)= 1.35 P-val=0.7173

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 52
 Number of observations N = 43080
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 3
 Number of excluded instruments L1 = 3
 Number of partialled-out regressors/IVs = 95
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 52 Number of obs = 43080
 F(1, 51) = 0.02
 Prob > F = 0.8771
 Total (centered) SS = 827024.8905 Centered R2 = -0.0000
 Total (uncentered) SS = 827024.8905 Uncentered R2 = -0.0000
 Residual SS = 827025.0195 Root MSE = 4.381

nstw36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0042513	.0270555	-0.16	0.875	-.057279	.0487764

Underidentification test (Kleibergen-Paap rk LM statistic): 7.703
 Chi-sq(3) P-val = 0.0526

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
 (Kleibergen-Paap rk Wald F statistic): 3.1e+05

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 13.91
 10% maximal IV relative bias 9.08
 20% maximal IV relative bias 6.46
 30% maximal IV relative bias 5.39
 10% maximal IV size 22.30
 15% maximal IV size 12.83
 20% maximal IV size 9.54
 25% maximal IV size 7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 1.269
 Chi-sq(2) P-val = 0.5302

Instrumented: mototkt

Included instruments:
 Excluded instruments: imm1 imm3 imm4
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial
 pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables
 Dropped collinear: st_ND st_NY

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH1NONY_nounemp.xls
 dir : seeout

phase 1 NO NY dependent variable: nstw48, unemployment: nounemp
 Warning - collinearities detected
 Vars dropped: st_ND st_NY

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(3, 51)	P-val	AP Chi-sq(3)	P-val
mototkt	3.1e+05	0.0000	9.6e+05	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(3)=7.70 P-val=0.0526

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 1.5e+05
 Kleibergen-Paap Wald rk F statistic 3.1e+05

Stock-Yogo weak ID test critical values for K1=1 and L1=3:

5% maximal IV relative bias	13.91
10% maximal IV relative bias	9.08
20% maximal IV relative bias	6.46
30% maximal IV relative bias	5.39
10% maximal IV size	22.30
15% maximal IV size	12.83
20% maximal IV size	9.54
25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(3,51)=	0.62	P-val=0.6059
Anderson-Rubin Wald test	Chi-sq(3)=	1.90	P-val=0.5939
Stock-Wright LM S statistic	Chi-sq(3)=	1.54	P-val=0.6727

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	52
Number of observations	N =	43080
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	3
Number of excluded instruments	L1 =	3
Number of partialled-out regressors/IVs	=	95

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	52	Number of obs =	43080
		F(1, 51) =	0.03
		Prob > F =	0.8736
Total (centered) SS =	1733009.753	Centered R2 =	-0.0000
Total (uncentered) SS =	1733009.753	Uncentered R2 =	-0.0000
Residual SS =	1733013.043	Root MSE =	6.343

nstw48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	-.0055229	.0341825	-0.16	0.872	-.0725195 .0614736

Underidentification test (Kleibergen-Paap rk LM statistic): 7.703
Chi-sq(3) P-val = 0.0526

Weak identification test (Cragg-Donald Wald F statistic): 1.5e+05
(Kleibergen-Paap rk Wald F statistic): 3.1e+05

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	13.91
	10% maximal IV relative bias	9.08
	20% maximal IV relative bias	6.46
	30% maximal IV relative bias	5.39
	10% maximal IV size	22.30
	15% maximal IV size	12.83
	20% maximal IV size	9.54
	25% maximal IV size	7.80

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 1.540
 Chi-sq(2) P-val = 0.4631

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm1 imm3 imm4
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_NE st_NH st_NJ st_NM st_NV
 st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN
 st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pia1
 pia_miss ime1 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables
 Dropped collinear: st_ND st_NY

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH1NONY_nounemp.xls
 dir : seeout

phase 2 dependent variable: ldwroll12, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(9)	P-val
mototkt	558.86	0.0000	5131.63	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=16.03 P-val=0.0662

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 62760.72
 Kleibergen-Paap Wald rk F statistic 558.86

Stock-Yogo weak ID test critical values for K1=1 and L1=9:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,53)= 1.06 P-val=0.4040
 Anderson-Rubin Wald test Chi-sq(9)= 9.77 P-val=0.3692
 Stock-Wright LM S statistic Chi-sq(9)= 5.13 P-val=0.8228

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 77161
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 77161
 F(1, 53) = 0.00
 Prob > F = 0.9925
 Total (centered) SS = 1206.204603 Centered R2 = -0.0000
 Total (uncentered) SS = 1206.204603 Uncentered R2 = -0.0000
 Residual SS = 1206.204642 Root MSE = .125

ldwroll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	-1.37e-06	.0001441	-0.01	0.992	-.0002837 .000281

 Underidentification test (Kleibergen-Paap rk LM statistic): 16.032
 Chi-sq(9) P-val = 0.0662

Weak identification test (Cragg-Donald Wald F statistic): 6.3e+04
 (Kleibergen-Paap rk Wald F statistic): 558.860

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65

30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 5.098
 Chi-sq(8) P-val = 0.7470

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pia1 pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_nounemp.xls
 dir : seeout

phase 2 dependent variable: ldwroll24, unemployment: nounemp

Summary results for first-stage regressions

Variable	F(9, 53)		(Underid)		(Weak id)	
	F	P-val	AP Chi-sq(9)	P-val	AP F(9, 53)	
mototkt	558.86	0.0000	5131.63	0.0000	558.86	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

(Kleibergen-Paap rk Wald F statistic): 558.860
 Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 5.520
 Chi-sq(8) P-val = 0.7009

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pia1 pia_miss ime1 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_nounemp.xls
 dir : seeout

phase 2 dependent variable: ldwroll36, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(9)	P-val	AP F(9, 53)	
mototkt	558.86	0.0000	5131.63	0.0000	558.86	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Underidentification test (Kleibergen-Paap rk LM statistic): 16.032
 Chi-sq(9) P-val = 0.0662

Weak identification test (Cragg-Donald Wald F statistic): 6.3e+04
 (Kleibergen-Paap rk Wald F statistic): 558.860

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 5.399
 Chi-sq(8) P-val = 0.7142

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_nounemp.xls
 dir : seeout

phase 2 dependent variable: ldwroll48, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(9)	P-val	AP F(9, 53)	
mototkt	558.86	0.0000	5131.63	0.0000	558.86	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92

ldwroll48	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.000469	.0002568	-1.83	0.068	-.0009723	.0000342

Underidentification test (Kleibergen-Paap rk LM statistic): 16.032
Chi-sq(9) P-val = 0.0662

Weak identification test (Cragg-Donald Wald F statistic): 6.3e+04
(Kleibergen-Paap rk Wald F statistic): 558.860

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 5.343
Chi-sq(8) P-val = 0.7204

Instrumented: mototkt
Included instruments:
Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_nounemp.xls
dir : seeout

phase 2 dependent variable: eperoll12, unemployment: nounemp

Summary results for first-stage regressions

Variable	F(9, 53)	P-val	(Underid)	(Weak id)
mototkt	558.86	0.0000	AP Chi-sq(9) P-val = 5131.63 0.0000	AP F(9, 53) = 558.86

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

Residual SS = 1518.531755 Root MSE = .1403

```
-----
      eperoll12 |           Coef.   Robust Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
      mototkt   |   .0000577   .0001373     0.42   0.674   -.0002113   .0003267
-----
```

Underidentification test (Kleibergen-Paap rk LM statistic): 16.032
 Chi-sq(9) P-val = 0.0662

Weak identification test (Cragg-Donald Wald F statistic): 6.3e+04
 (Kleibergen-Paap rk Wald F statistic): 558.860

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 6.048
 Chi-sq(8) P-val = 0.6418

```
-----
Instrumented:      mototkt
Included instruments:
Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY pial pia_miss ime1 ime_miss _cons
                  nb: small-sample adjustments account for
                  partialled-out variables
-----
```

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_nounemp.xls
 dir : seeout

phase 2 dependent variable: eperoll124, unemployment: nounemp

Summary results for first-stage regressions

```
-----
Variable | F( 9, 53) P-val | (Underid) AP Chi-sq( 9) P-val | (Weak id) AP F( 9, 53)
-----+-----+-----+-----
mototkt | 558.86 0.0000 | 5131.63 0.0000 | 558.86
```



```

Total (centered) SS      = 2905.232777
Total (uncentered) SS  = 2905.232777
Residual SS            = 2905.231977

F( 1, 53) = 0.00
Prob > F   = 0.9614
Centered R2 = 0.0000
Uncentered R2 = 0.0000
Root MSE    = .194

```

```

-----
      eperoll24 |           Robust
                |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
      mototkt | -9.41e-06   .0001917   -0.05   0.961   - .0003852   .0003664
-----

```

```

Underidentification test (Kleibergen-Paap rk LM statistic):      16.032
Chi-sq(9) P-val =      0.0662
-----

```

```

Weak identification test (Cragg-Donald Wald F statistic):      6.3e+04
(Kleibergen-Paap rk Wald F statistic):      558.860
Stock-Yogo weak ID test critical values:  5% maximal IV relative bias  20.53
                                           10% maximal IV relative bias  11.46
                                           20% maximal IV relative bias   6.65
                                           30% maximal IV relative bias   4.92
                                           10% maximal IV size            36.19
                                           15% maximal IV size            19.71
                                           20% maximal IV size            14.01
                                           25% maximal IV size            11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments):  14.245
Chi-sq(8) P-val =      0.0756
-----

```

```

Instrumented:      mototkt
Included instruments:
Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY pia1 pia_miss ime1 ime_miss_cons
                  nb: small-sample adjustments account for
                     partialled-out variables
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_nounemp.xls
dir : seeout

```

phase 2 dependent variable: eperoll36, unemployment: nounemp

Summary results for first-stage regressions

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	77161
		F(1, 53) =	0.04
		Prob > F =	0.8444
Total (centered) SS =	5073.253754	Centered R2 =	-0.0000
Total (uncentered) SS =	5073.253754	Uncentered R2 =	-0.0000
Residual SS =	5073.263764	Root MSE =	.2564

eperoll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	-.0000671	.0003369	-0.20	0.842	-.0007274 .0005932

Underidentification test (Kleibergen-Paap rk LM statistic): 16.032
 Chi-sq(9) P-val = 0.0662

Weak identification test (Cragg-Donald Wald F statistic): 6.3e+04
 (Kleibergen-Paap rk Wald F statistic): 558.860

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 9.216
 Chi-sq(8) P-val = 0.3244

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_nounemp.xls

dir : seeout

phase 2 dependent variable: twproll12, unemployment: nounemp

Summary results for first-stage regressions

Variable	F(9, 53)	P-val	(Underid) AP Chi-sq(9)	P-val	(Weak id) AP F(9, 53)
mototkt	558.86	0.0000	5131.63	0.0000	558.86

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=16.03 P-val=0.0662

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 62760.72

Kleibergen-Paap Wald rk F statistic 558.86

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 1.57 P-val=0.1477

Anderson-Rubin Wald test Chi-sq(9)= 14.44 P-val=0.1075

Stock-Wright LM S statistic Chi-sq(9)= 9.23 P-val=0.4161

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54

Number of observations N = 77161

Number of regressors K = 1

Number of endogenous regressors K1 = 1

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_nounemp.xls
 dir : seeout

phase 2 dependent variable: twproll24, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(9)	P-val
mototkt	558.86	0.0000	5131.63	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=16.03 P-val=0.0662

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 62760.72

Kleibergen-Paap Wald rk F statistic 558.86

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 1.71 P-val=0.1102

Anderson-Rubin Wald test Chi-sq(9)= 15.68 P-val=0.0738

Stock-Wright LM S statistic Chi-sq(9)= 12.48 P-val=0.1877

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust


```

Number of clusters          N_clust =      54
Number of observations      N =      77161
Number of regressors       K =      1
Number of endogenous regressors K1 =      1
Number of instruments       L =      9
Number of excluded instruments L1 =      9
Number of partialled-out regressors/IVs =      97
NB: K & L do not included partialled-out variables

```

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) =      54          Number of obs =      77161
                                                F( 1, 53) =      3.99
                                                Prob > F =      0.0508
Total (centered) SS = 4219.126413          Centered R2 = -0.0000
Total (uncentered) SS = 4219.126413      Uncentered R2 = -0.0000
Residual SS = 4219.143678                Root MSE =      .2338

```

```

-----
          |          Robust
          |          Coef.   Std. Err.      z    P>|z|    [95% Conf. Interval]
-----+-----
twproll24 |
mototkt | -.0004092   .0002027    -2.02  0.044    -.0008066   -.0000118
-----

```

```

Underidentification test (Kleibergen-Paap rk LM statistic):      16.032
                                                                Chi-sq(9) P-val =      0.0662
-----

```

```

Weak identification test (Cragg-Donald Wald F statistic):      6.3e+04
(Kleibergen-Paap rk Wald F statistic):      558.860
Stock-Yogo weak ID test critical values:  5% maximal IV relative bias      20.53
                                           10% maximal IV relative bias      11.46
                                           20% maximal IV relative bias      6.65
                                           30% maximal IV relative bias      4.92
                                           10% maximal IV size      36.19
                                           15% maximal IV size      19.71
                                           20% maximal IV size      14.01
                                           25% maximal IV size      11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments):      3.527
                                                                Chi-sq(8) P-val =      0.8971
-----

```

```

Instrumented:      mototkt
Included instruments:
Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
Partialled-out:    male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                   race_b race_h race_i race_o race_mis tsd_edu_hs
                   tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                   tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                   tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                   pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                   cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                   diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                   twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                   st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                   st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                   st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                   st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC

```

st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_nounemp.xls
 dir : seeout

phase 2 dependent variable: twproll36, unemployment: nounemp

Summary results for first-stage regressions

 Variable | F(9, 53) P-val | (Underid) AP Chi-sq(9) P-val | (Weak id) AP F(9, 53)
 mototkt | 558.86 0.0000 | 5131.63 0.0000 | 558.86

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=16.03 P-val=0.0662

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 62760.72

Kleibergen-Paap Wald rk F statistic 558.86

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 1.39 P-val=0.2180

Anderson-Rubin Wald test Chi-sq(9)= 12.73 P-val=0.1753

Stock-Wright LM S statistic Chi-sq(9)= 9.00 P-val=0.4372

st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_nounemp.xls
 dir : seeout

phase 2 dependent variable: twproll48, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(9)	P-val	AP F(9, 53)	
mototkt	558.86	0.0000	5131.63	0.0000	558.86	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=16.03 P-val=0.0662

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 62760.72

Kleibergen-Paap Wald rk F statistic 558.86

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid
Anderson-Rubin Wald test F(9,53)= 1.50 P-val=0.1717
Anderson-Rubin Wald test Chi-sq(9)= 13.79 P-val=0.1301
Stock-Wright LM S statistic Chi-sq(9)= 9.14 P-val=0.4244

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
Number of observations N = 77161
Number of regressors K = 1
Number of endogenous regressors K1 = 1
Number of instruments L = 9
Number of excluded instruments L1 = 9
Number of partialled-out regressors/IVs = 97
NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 77161
F(1, 53) = 2.34
Prob > F = 0.1320
Total (centered) SS = 6274.021278 Centered R2 = -0.0000
Total (uncentered) SS = 6274.021278 Uncentered R2 = -0.0000
Residual SS = 6274.139621 Root MSE = .2852

```

-----
      twproll48 |           Robust
              |      Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
      mototkt | -.0003806   .0002463    -1.55  0.122   -.0008634   .0001022
-----

```

Underidentification test (Kleibergen-Paap rk LM statistic): 16.032
Chi-sq(9) P-val = 0.0662

Weak identification test (Cragg-Donald Wald F statistic): 6.3e+04
(Kleibergen-Paap rk Wald F statistic): 558.860
Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 5.965
Chi-sq(8) P-val = 0.6511

```

-----
Instrumented:      mototkt
Included instruments:
Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
-----

```

pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_nounemp.xls
 dir : seeout

phase 2 dependent variable: srvroll12, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(9)	P-val
mototkt	558.86	0.0000	5131.63	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=16.03 P-val=0.0662

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 62760.72

Kleibergen-Paap Wald rk F statistic 558.86

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,53)=	5.19	P-val=0.0000
Anderson-Rubin Wald test	Chi-sq(9)=	47.66	P-val=0.0000
Stock-Wright LM S statistic	Chi-sq(9)=	11.45	P-val=0.2463

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	77161
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	9
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs =		97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	77161
		F(1, 53) =	23.61
		Prob > F =	0.0000
Total (centered) SS =	1398.683145	Centered R2 =	0.0005
Total (uncentered) SS =	1398.683145	Uncentered R2 =	0.0005
Residual SS =	1397.922108	Root MSE =	.1346

srvroll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	-.0008369	.0001705	-4.91	0.000	-.0011712 -.0005026

Underidentification test (Kleibergen-Paap rk LM statistic): 16.032
 Chi-sq(9) P-val = 0.0662

Weak identification test (Cragg-Donald Wald F statistic): 6.3e+04
 (Kleibergen-Paap rk Wald F statistic): 558.860

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 4.510
 Chi-sq(8) P-val = 0.8084

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a

```

race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_nounemp.xls
dir : seeout

```

phase 2 dependent variable: srvroll24, unemployment: nounemp

Summary results for first-stage regressions

```

-----
Variable          | F( 9, 53) P-val | AP Chi-sq( 9) P-val | AP F( 9, 53)
mototkt          | 558.86 0.0000 | 5131.63 0.0000 | 558.86

```

NB: first-stage test statistics cluster-robust

```

Stock-Yogo weak ID test critical values for single endogenous regressor:
      5% maximal IV relative bias    20.53
     10% maximal IV relative bias    11.46
     20% maximal IV relative bias     6.65
     30% maximal IV relative bias     4.92
     10% maximal IV size              36.19
     15% maximal IV size              19.71
     20% maximal IV size              14.01
     25% maximal IV size              11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

```

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
Ha: matrix has rank=K1 (identified)
Kleibergen-Paap rk LM statistic           Chi-sq(9)=16.03   P-val=0.0662

```

Weak identification test

```

Ho: equation is weakly identified
Cragg-Donald Wald F statistic                    62760.72
Kleibergen-Paap Wald rk F statistic              558.86

```

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

```

      5% maximal IV relative bias    20.53
     10% maximal IV relative bias    11.46
     20% maximal IV relative bias     6.65
     30% maximal IV relative bias     4.92
     10% maximal IV size              36.19

```


15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 4.85 P-val=0.0001
 Anderson-Rubin Wald test Chi-sq(9)= 44.52 P-val=0.0000
 Stock-Wright LM S statistic Chi-sq(9)= 14.98 P-val=0.0914

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 77161
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 77161
 F(1, 53) = 11.07
 Prob > F = 0.0016
 Total (centered) SS = 1791.662547 Centered R2 = 0.0002
 Total (uncentered) SS = 1791.662547 Uncentered R2 = 0.0002
 Residual SS = 1791.240598 Root MSE = .1524

srvroll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.00061	.0001815	-3.36	0.001	-.0009658	-.0002542

Underidentification test (Kleibergen-Paap rk LM statistic): 16.032
 Chi-sq(9) P-val = 0.0662

Weak identification test (Cragg-Donald Wald F statistic): 6.3e+04
 (Kleibergen-Paap rk Wald F statistic): 558.860

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 10.382
 Chi-sq(8) P-val = 0.2392

```

Instrumented:      mototkt
Included instruments:
Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY pial pia_miss ime1 ime_miss_cons
                  nb: small-sample adjustments account for
                      partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_nounemp.xls
dir : seeout

```

phase 2 dependent variable: srvroll36, unemployment: nounemp

Summary results for first-stage regressions

```

-----
Variable      | F( 9, 53) P-val | AP Chi-sq( 9) P-val | AP F( 9, 53)
mototkt      | 558.86 0.0000 | 5131.63 0.0000 | 558.86

```

NB: first-stage test statistics cluster-robust

```

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=16.03 P-val=0.0662

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 62760.72

Kleibergen-Paap Wald rk F statistic 558.86

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias 20.53

10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,53)=	2.08	P-val=0.0483
Anderson-Rubin Wald test	Chi-sq(9)=	19.07	P-val=0.0246
Stock-Wright LM S statistic	Chi-sq(9)=	9.81	P-val=0.3663

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	77161
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	9
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs =		97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	77161
		F(1, 53) =	1.62
		Prob > F =	0.2083
Total (centered) SS =	1826.268156	Centered R2 =	0.0001
Total (uncentered) SS =	1826.268156	Uncentered R2 =	0.0001
Residual SS =	1826.156195	Root MSE =	.1538

srvroll36		Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]

mototkt		-.0002511	.0001952	-1.29	0.198	-.0006337 .0001314

Underidentification test (Kleibergen-Paap rk LM statistic):	16.032
Chi-sq(9) P-val =	0.0662

Weak identification test (Cragg-Donald Wald F statistic):	6.3e+04
(Kleibergen-Paap rk Wald F statistic):	558.860

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	20.53
	10% maximal IV relative bias	11.46
	20% maximal IV relative bias	6.65
	30% maximal IV relative bias	4.92
	10% maximal IV size	36.19
	15% maximal IV size	19.71
	20% maximal IV size	14.01
	25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 8.769
Chi-sq(8) P-val = 0.3622

Instrumented: mototkt
Included instruments:
Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_nounemp.xls
dir : seeout

phase 2 dependent variable: srvroll48, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(9)	P-val
mototkt	558.86	0.0000	5131.63	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=16.03 P-val=0.0662

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 62760.72

Kleibergen-Paap Wald rk F statistic 558.86

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,53)=	2.05	P-val=0.0514
Anderson-Rubin Wald test	Chi-sq(9)=	18.82	P-val=0.0268
Stock-Wright LM S statistic	Chi-sq(9)=	8.59	P-val=0.4760

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	77161
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	9
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	77161
		F(1, 53) =	1.41
		Prob > F =	0.2407
Total (centered) SS =	1844.476243	Centered R2 =	0.0000
Total (uncentered) SS =	1844.476243	Uncentered R2 =	0.0000
Residual SS =	1844.403547	Root MSE =	.1546

srvroll48		Robust				
		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]

mototkt		-.0002342	.0001954	-1.20	0.231	-.0006171 .0001488

Underidentification test (Kleibergen-Paap rk LM statistic): 16.032
Chi-sq(9) P-val = 0.0662

Weak identification test (Cragg-Donald Wald F statistic): 6.3e+04
(Kleibergen-Paap rk Wald F statistic): 558.860

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	20.53
	10% maximal IV relative bias	11.46
	20% maximal IV relative bias	6.65
	30% maximal IV relative bias	4.92
	10% maximal IV size	36.19
	15% maximal IV size	19.71

20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 8.434
 Chi-sq(8) P-val = 0.3923

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_nounemp.xls
 dir : seeout

phase 2 dependent variable: nstwl2, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(9)	P-val
mototkt	558.86	0.0000	5131.63	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=16.03 P-val=0.0662

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 62760.72
 Kleibergen-Paap Wald rk F statistic 558.86

Stock-Yogo weak ID test critical values for K1=1 and L1=9:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,53)= 0.99 P-val=0.4608
 Anderson-Rubin Wald test Chi-sq(9)= 9.07 P-val=0.4305
 Stock-Wright LM S statistic Chi-sq(9)= 6.01 P-val=0.7384

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 77161
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 77161
 F(1, 53) = 1.68
 Prob > F = 0.2010
 Total (centered) SS = 79487.69637 Centered R2 = 0.0000
 Total (uncentered) SS = 79487.69637 Uncentered R2 = 0.0000
 Residual SS = 79487.04464 Root MSE = 1.015

```

-----
      |               Robust
      |               Coef.   Std. Err.   z   P>|z|   [95% Conf. Interval]
-----+-----
mototkt |   .0014322   .0010951   1.31   0.191   -.0007142   .0035785
-----

```

Underidentification test (Kleibergen-Paap rk LM statistic): 16.032
 Chi-sq(9) P-val = 0.0662

Weak identification test (Cragg-Donald Wald F statistic): 6.3e+04
 (Kleibergen-Paap rk Wald F statistic): 558.860

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46

20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 5.931
 Chi-sq(8) P-val = 0.6550

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_nounemp.xls
 dir : seeout

phase 2 dependent variable: nstw24, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(9)	P-val	AP F(9, 53)	
mototkt	558.86	0.0000	5131.63	0.0000	558.86	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.


```

Weak identification test (Cragg-Donald Wald F statistic):          6.3e+04
(Kleibergen-Paap rk Wald F statistic):                          558.860
Stock-Yogo weak ID test critical values:  5% maximal IV relative bias  20.53
                                           10% maximal IV relative bias  11.46
                                           20% maximal IV relative bias   6.65
                                           30% maximal IV relative bias   4.92
                                           10% maximal IV size           36.19
                                           15% maximal IV size           19.71
                                           20% maximal IV size           14.01
                                           25% maximal IV size           11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments):    8.065
Chi-sq(8) P-val = 0.4272
-----

```

```

Instrumented:      mototkt
Included instruments:
Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY pial pia_miss ime1 ime_miss _cons
                  nb: small-sample adjustments account for
                      partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_nounemp.xls
dir : seeout

```

phase 2 dependent variable: nstw36, unemployment: nounemp

Summary results for first-stage regressions

```

-----
Variable      | F( 9, 53) P-val | AP Chi-sq( 9) P-val | AP F( 9, 53)
mototkt      | 558.86 0.0000 | 5131.63 0.0000 | 558.86

```

NB: first-stage test statistics cluster-robust

```

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias  20.53
10% maximal IV relative bias  11.46
20% maximal IV relative bias   6.65
30% maximal IV relative bias   4.92
10% maximal IV size           36.19
15% maximal IV size           19.71
20% maximal IV size           14.01

```

25% maximal IV size 11.07
 Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(9)=16.03 P-val=0.0662

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 62760.72
 Kleibergen-Paap Wald rk F statistic 558.86

Stock-Yogo weak ID test critical values for K1=1 and L1=9:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,53)= 1.98 P-val=0.0597
 Anderson-Rubin Wald test Chi-sq(9)= 18.21 P-val=0.0328
 Stock-Wright LM S statistic Chi-sq(9)= 12.22 P-val=0.2010

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 77161
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 77161
 F(1, 53) = 0.18
 Prob > F = 0.6712
 Total (centered) SS = 1188802.993 Centered R2 = 0.0000
 Total (uncentered) SS = 1188802.993 Uncentered R2 = 0.0000
 Residual SS = 1188801.885 Root MSE = 3.925

	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
nstw36						
mototkt	-.0019666	.0045617	-0.43	0.666	-.0109075	.0069743

Underidentification test (Kleibergen-Paap rk LM statistic): 16.032
Chi-sq(9) P-val = 0.0662

Weak identification test (Cragg-Donald Wald F statistic): 6.3e+04
(Kleibergen-Paap rk Wald F statistic): 558.860
Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 8.159
Chi-sq(8) P-val = 0.4180

Instrumented: mototkt
Included instruments:
Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_nounemp.xls
dir : seeout

phase 2 dependent variable: nstw48, unemployment: nounemp

Summary results for first-stage regressions

Variable | F(9, 53) P-val | AP Chi-sq(9) P-val | AP F(9, 53)
mototkt | 558.86 0.0000 | 5131.63 0.0000 | 558.86

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65

nstw48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0059486	.0060333	-0.99	0.324	-.0177737	.0058764

Underidentification test (Kleibergen-Paap rk LM statistic): 16.032
Chi-sq(9) P-val = 0.0662

Weak identification test (Cragg-Donald Wald F statistic): 6.3e+04
(Kleibergen-Paap rk Wald F statistic): 558.860

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 6.341
Chi-sq(8) P-val = 0.6091

Instrumented: mototkt
Included instruments:
Excluded instruments: imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pia1 pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV_PH2_nounemp.xls
dir : seeout

phase 3 dependent variable: ldwroll12, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(9)	P-val	AP F(9, 53)	
mototkt	525.06	0.0000	4819.09	0.0000	525.06	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(9)=13.63 P-val=0.1361

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 67901.84
 Kleibergen-Paap Wald rk F statistic 525.06

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,53)= 4.77 P-val=0.0001
 Anderson-Rubin Wald test Chi-sq(9)= 43.77 P-val=0.0000
 Stock-Wright LM S statistic Chi-sq(9)= 11.21 P-val=0.2615

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust	=	54
Number of observations	N	=	114657
Number of regressors	K	=	1
Number of endogenous regressors	K1	=	1
Number of instruments	L	=	9
Number of excluded instruments	L1	=	9
Number of partialled-out regressors/IVs		=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	114657
		F(1, 53) =	0.66
		Prob > F	= 0.4187
Total (centered) SS	= 1831.779053	Centered R2	= 0.0000

Total (uncentered) SS = 1831.779053 Uncentered R2 = 0.0000
 Residual SS = 1831.760326 Root MSE = .1264

```
-----
```

ldwroll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	.0001	.0001215	0.82	0.410	-.0001381	.000338

```
-----
```

Underidentification test (Kleibergen-Paap rk LM statistic): 13.630
 Chi-sq(9) P-val = 0.1361

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
 (Kleibergen-Paap rk Wald F statistic): 525.058

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 11.208
 Chi-sq(8) P-val = 0.1902

```
-----
```

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

```
-----
```

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH3_nounemp.xls
 dir : seeout

phase 3 dependent variable: ldwroll24, unemployment: nounemp

Summary results for first-stage regressions

```
-----
```

Variable	F(9, 53)	P-val	(Underid)	AP Chi-sq(9)	P-val	(Weak id)	AP F(9, 53)
----------	-----------	-------	-----------	---------------	-------	-----------	--------------

mototkt | 525.06 0.0000 | 4819.09 0.0000 | 525.06

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=13.63 P-val=0.1361

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 67901.84

Kleibergen-Paap Wald rk F statistic 525.06

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 2.30 P-val=0.0292

Anderson-Rubin Wald test Chi-sq(9)= 21.09 P-val=0.0123

Stock-Wright LM S statistic Chi-sq(9)= 9.44 P-val=0.3978

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54

Number of observations N = 114657

Number of regressors K = 1

Number of endogenous regressors K1 = 1

Number of instruments L = 9

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) =      54
Number of obs =      114657
F( 1, 53) =      0.31
Prob > F =      0.5784
Total (centered) SS =      3560.063937
Centered R2 =      0.0000
Total (uncentered) SS =      3560.063937
Uncentered R2 =      0.0000
Residual SS =      3560.060946
Root MSE =      .1762

```

```

-----
      |               Robust
      |               Coef.   Std. Err.      z    P>|z|      [95% Conf. Interval]
-----+-----
      |               |
ldwroll24 |               |
      |               |
mototkt |      -.0000778   .0001378   -0.56   0.572   - .0003478   .0001922
      |               |
-----

```

```

Underidentification test (Kleibergen-Paap rk LM statistic):      13.630
Chi-sq(9) P-val =      0.1361
-----

```

```

Weak identification test (Cragg-Donald Wald F statistic):      6.8e+04
(Kleibergen-Paap rk Wald F statistic):      525.058
-----

```

```

Stock-Yogo weak ID test critical values:  5% maximal IV relative bias      20.53
                                           10% maximal IV relative bias     11.46
                                           20% maximal IV relative bias      6.65
                                           30% maximal IV relative bias      4.92
                                           10% maximal IV size               36.19
                                           15% maximal IV size               19.71
                                           20% maximal IV size               14.01
                                           25% maximal IV size               11.07
-----

```

```

Source: Stock-Yogo (2005).  Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.
-----

```

```

Hansen J statistic (overidentification test of all instruments):      8.445
Chi-sq(8) P-val =      0.3913
-----

```

```

Instrumented:      mototkt
Included instruments:
Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY pial pia_miss ime1 ime_miss _cons
                  nb: small-sample adjustments account for
                     partialled-out variables
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH3_nounemp.xls
dir : seeout

```

```

***phase 3*** dependent variable: ldwroll36, unemployment: nounemp

```

```

Summary results for first-stage regressions

```

```

-----
Variable       | F( 9, 53) P-val | (Underid) AP Chi-sq( 9) P-val | (Weak id) AP F( 9, 53)
mototkt        |      525.06  0.0000 |          4819.09  0.0000 |          525.06

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=13.63 P-val=0.1361

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 67901.84

Kleibergen-Paap Wald rk F statistic 525.06

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 2.45 P-val=0.0205

Anderson-Rubin Wald test Chi-sq(9)= 22.50 P-val=0.0074

Stock-Wright LM S statistic Chi-sq(9)= 10.04 P-val=0.3471

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

```

Number of clusters                      N_clust   =              54
Number of observations                      N   =              114657
Number of regressors                      K   =              1
Number of endogenous regressors                      K1   =              1
Number of instruments                      L   =              9
Number of excluded instruments                      L1   =              9
Number of partialled-out regressors/IVs   =              97
NB: K & L do not included partialled-out variables

```

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	114657
		F(1, 53) =	0.51
		Prob > F =	0.4784
Total (centered) SS =	5064.149239	Centered R2 =	-0.0000
Total (uncentered) SS =	5064.149239	Uncentered R2 =	-0.0000
Residual SS =	5064.159823	Root MSE =	.2102

```
-----+-----
```

ldwroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0001426	.0001978	-0.72	0.471	-.0005302	.0002451

Underidentification test (Kleibergen-Paap rk LM statistic): 13.630
 Chi-sq(9) P-val = 0.1361

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
 (Kleibergen-Paap rk Wald F statistic): 525.058

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 6.017
 Chi-sq(8) P-val = 0.6453

```
-----+-----
Instrumented:      mototkt
Included instruments:
Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY pial pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables
-----+-----
```

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH3_nounemp.xls
 dir : seeout

phase 3 dependent variable: ldwroll48, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(9)	P-val	AP F(9, 53)	
mototkt	525.06	0.0000	4819.09	0.0000	525.06	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=13.63 P-val=0.1361

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 67901.84

Kleibergen-Paap Wald rk F statistic 525.06

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 3.61 P-val=0.0015

Anderson-Rubin Wald test Chi-sq(9)= 33.09 P-val=0.0001

Stock-Wright LM S statistic Chi-sq(9)= 9.77 P-val=0.3692

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust	=	54
Number of observations	N	=	114657
Number of regressors	K	=	1
Number of endogenous regressors	K1	=	1
Number of instruments	L	=	9
Number of excluded instruments	L1	=	9
Number of partialled-out regressors/IVs		=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54
Number of obs = 114657
F(1, 53) = 0.60
Prob > F = 0.4409
Centered R2 = -0.0000
Uncentered R2 = -0.0000
Root MSE = .2367

Table with 7 columns: Variable, Coef., Robust Std. Err., z, P>|z|, [95% Conf. Interval]. Row for ldwroll48 and mototkt.

Underidentification test (Kleibergen-Paap rk LM statistic): 13.630
Chi-sq(9) P-val = 0.1361

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
(Kleibergen-Paap rk Wald F statistic): 525.058

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 7.232
Chi-sq(8) P-val = 0.5118

Instrumented: mototkt
Included instruments:
Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH3_nounemp.xls
 dir : seeout

phase 3 dependent variable: eperoll12, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(9)	P-val	AP F(9, 53)	
mototkt	525.06	0.0000	4819.09	0.0000	525.06	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=13.63 P-val=0.1361

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 67901.84

Kleibergen-Paap Wald rk F statistic 525.06

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 1.03 P-val=0.4300

Anderson-Rubin Wald test Chi-sq(9)= 9.44 P-val=0.3976

Stock-Wright LM S statistic Chi-sq(9)= 9.88 P-val=0.3603

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54

```

Number of observations      N =      114657
Number of regressors      K =           1
Number of endogenous regressors  K1 =          1
Number of instruments      L =           9
Number of excluded instruments  L1 =          9
Number of partialled-out regressors/IVs =      97
NB: K & L do not included partialled-out variables

```

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) =      54
Number of obs =      114657
F( 1, 53) =      0.90
Prob > F =      0.3471
Centered R2 =      0.0000
Uncentered R2 =      0.0000
Root MSE =      .1477
Total (centered) SS = 2500.841251
Total (uncentered) SS = 2500.841251
Residual SS = 2500.790002

```

```

-----
      eperoll12 |              Robust
               |      Coef.      Std. Err.      z    P>|z|      [95% Conf. Interval]
-----+-----
      mototkt |      .0001685   .0001759      0.96   0.338   -.0001762   .0005132
-----

```

```

Underidentification test (Kleibergen-Paap rk LM statistic):      13.630
Chi-sq(9) P-val =      0.1361
-----

```

```

Weak identification test (Cragg-Donald Wald F statistic):      6.8e+04
(Kleibergen-Paap rk Wald F statistic):      525.058
-----

```

```

Stock-Yogo weak ID test critical values:
5% maximal IV relative bias      20.53
10% maximal IV relative bias     11.46
20% maximal IV relative bias      6.65
30% maximal IV relative bias      4.92
10% maximal IV size              36.19
15% maximal IV size              19.71
20% maximal IV size              14.01
25% maximal IV size              11.07
-----

```

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments):      8.566
Chi-sq(8) P-val =      0.3802
-----

```

```

Instrumented:      mototkt
Included instruments:
Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
Partialled-out:    male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV

```


st_WY pial pia_miss ime1 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH3_nounemp.xls
 dir : seeout

phase 3 dependent variable: eperoll24, unemployment: nounemp

Summary results for first-stage regressions

				(Underid)		(Weak id)	
Variable	F(9, 53)	P-val	AP Chi-sq(9)	P-val	AP F(9, 53)		
mototkt	525.06	0.0000	4819.09	0.0000	525.06		

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=13.63 P-val=0.1361

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 67901.84

Kleibergen-Paap Wald rk F statistic 525.06

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 2.69 P-val=0.0119

Anderson-Rubin Wald test Chi-sq(9)= 24.66 P-val=0.0034

Stock-Wright LM S statistic Chi-sq(9)= 7.73 P-val=0.5617

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

```

Number of clusters          N_clust =          54
Number of observations      N =        114657
Number of regressors       K =           1
Number of endogenous regressors K1 =          1
Number of instruments       L =           9
Number of excluded instruments L1 =          9
Number of partialled-out regressors/IVs =        97

```

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) =      54          Number of obs =    114657
                                                F( 1,    53) =      1.42
                                                Prob > F      =    0.2383
Total (centered) SS      =  4760.486674          Centered R2      = -0.0000
Total (uncentered) SS   =  4760.486674          Uncentered R2    = -0.0000
Residual SS              =  4760.491521          Root MSE        =    .2038

```

	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
eperoll24						
mototkt	-.000202	.0001677	-1.20	0.228	-.0005307	.0001267

Underidentification test (Kleibergen-Paap rk LM statistic): 13.630
 Chi-sq(9) P-val = 0.1361

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
 (Kleibergen-Paap rk Wald F statistic): 525.058

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 6.964
 Chi-sq(8) P-val = 0.5405

```

Instrumented:      mototkt
Included instruments:
Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL

```

st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH3_nounemp.xls
 dir : seeout

phase 3 dependent variable: eperoll36, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(9)	P-val
mototkt	525.06	0.0000	4819.09	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=13.63 P-val=0.1361

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 67901.84

Kleibergen-Paap Wald rk F statistic 525.06

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH3_nounemp.xls
dir : seeout

phase 3 dependent variable: eperoll48, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(9)	P-val
mototkt	525.06	0.0000	4819.09	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=13.63 P-val=0.1361

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 67901.84

Kleibergen-Paap Wald rk F statistic 525.06

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 2.43 P-val=0.0214
 Anderson-Rubin Wald test Chi-sq(9)= 22.33 P-val=0.0079
 Stock-Wright LM S statistic Chi-sq(9)= 6.41 P-val=0.6985

NB: Underidentification, weak identification and weak-identification-robust
 test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 114657
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 97

NB: K & L do not include partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 114657
 F(1, 53) = 4.60
 Prob > F = 0.0365
 Total (centered) SS = 7597.717335 Centered R2 = -0.0000
 Total (uncentered) SS = 7597.717335 Uncentered R2 = -0.0000
 Residual SS = 7597.730745 Root MSE = .2574

	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
eperoll148						
mototkt	-.0004092	.0001888	-2.17	0.030	-.0007792	-.0000391

Underidentification test (Kleibergen-Paap rk LM statistic): 13.630
 Chi-sq(9) P-val = 0.1361

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
 (Kleibergen-Paap rk Wald F statistic): 525.058

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 6.202
 Chi-sq(8) P-val = 0.6246

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs

```

tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH3_nounemp.xls
dir : seeout

```

phase 3 dependent variable: twproll12, unemployment: nounemp

Summary results for first-stage regressions

```

-----
Variable | F( 9, 53) P-val | (Underid) AP Chi-sq( 9) P-val | (Weak id) AP F( 9, 53)
mototkt | 525.06 0.0000 | 4819.09 0.0000 | 525.06

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

```

5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=13.63 P-val=0.1361

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 67901.84

Kleibergen-Paap Wald rk F statistic 525.06

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

```

5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71

```

20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 0.94 P-val=0.4962
 Anderson-Rubin Wald test Chi-sq(9)= 8.66 P-val=0.4693
 Stock-Wright LM S statistic Chi-sq(9)= 4.62 P-val=0.8660

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 114657
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 114657
 F(1, 53) = 0.00
 Prob > F = 0.9671
 Total (centered) SS = 3678.416252 Centered R2 = -0.0000
 Total (uncentered) SS = 3678.416252 Uncentered R2 = -0.0000
 Residual SS = 3678.417056 Root MSE = .1791

twproll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	7.31e-06	.0001747	0.04	0.967	-.0003351	.0003498

Underidentification test (Kleibergen-Paap rk LM statistic): 13.630
 Chi-sq(9) P-val = 0.1361

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
 (Kleibergen-Paap rk Wald F statistic): 525.058

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 4.599
 Chi-sq(8) P-val = 0.7995

Instrumented: mototkt

Included instruments:
 Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH3_nounemp.xls
 dir : seeout

phase 3 dependent variable: twproll24, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(9)	P-val	AP F(9, 53)	
mototkt	525.06	0.0000	4819.09	0.0000	525.06	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=13.63 P-val=0.1361

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 67901.84

Kleibergen-Paap Wald rk F statistic 525.06

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46

20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,53)= 0.76 P-val=0.6527
 Anderson-Rubin Wald test Chi-sq(9)= 6.98 P-val=0.6393
 Stock-Wright LM S statistic Chi-sq(9)= 3.71 P-val=0.9296

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	114657
Number of regressors	K =	1
Number of endogenous regressors	K1 =	1
Number of instruments	L =	9
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	114657
		F(1, 53) =	0.48
		Prob > F =	0.4906
Total (centered) SS =	6231.762107	Centered R2 =	0.0000
Total (uncentered) SS =	6231.762107	Uncentered R2 =	0.0000
Residual SS =	6231.759435	Root MSE =	.2331

twproll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	

mototkt	-.000145	.0002068	-0.70	0.483	-.0005503	.0002604

Underidentification test (Kleibergen-Paap rk LM statistic): 13.630
 Chi-sq(9) P-val = 0.1361

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
 (Kleibergen-Paap rk Wald F statistic): 525.058

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 3.669
 Chi-sq(8) P-val = 0.8856

 Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH3_nounemp.xls
 dir : seeout

phase 3 dependent variable: twproll36, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(9)	P-val	AP F(9, 53)	
mototkt	525.06	0.0000	4819.09	0.0000	525.06	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=13.63 P-val=0.1361

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 67901.84

Kleibergen-Paap Wald rk F statistic 525.06

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,53)=	0.81	P-val=0.6119
Anderson-Rubin Wald test	Chi-sq(9)=	7.41	P-val=0.5950
Stock-Wright LM S statistic	Chi-sq(9)=	4.09	P-val=0.9052

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust	=	54
Number of observations	N	=	114657
Number of regressors	K	=	1
Number of endogenous regressors	K1	=	1
Number of instruments	L	=	9
Number of excluded instruments	L1	=	9
Number of partialled-out regressors/IVs		=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	114657
		F(1, 53) =	4.05
		Prob > F =	0.0493
Total (centered) SS =	7833.001459	Centered R2 =	-0.0000
Total (uncentered) SS =	7833.001459	Uncentered R2 =	-0.0000
Residual SS =	7833.034009	Root MSE =	.2614

twproll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	

mototkt	-.000392	.000193	-2.03	0.042	-.0007702	-.0000139

Underidentification test (Kleibergen-Paap rk LM statistic): 13.630
Chi-sq(9) P-val = 0.1361

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
(Kleibergen-Paap rk Wald F statistic): 525.058

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	20.53
	10% maximal IV relative bias	11.46
	20% maximal IV relative bias	6.65
	30% maximal IV relative bias	4.92
	10% maximal IV size	36.19
	15% maximal IV size	19.71
	20% maximal IV size	14.01

25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 2.020
 Chi-sq(8) P-val = 0.9804

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH3_nounemp.xls
 dir : seeout

phase 3 dependent variable: twproll48, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(9)	P-val
mototkt	525.06	0.0000	4819.09	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(9)=13.63 P-val=0.1361

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 67901.84
 Kleibergen-Paap Wald rk F statistic 525.06

Stock-Yogo weak ID test critical values for K1=1 and L1=9:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,53)= 0.79 P-val=0.6225
 Anderson-Rubin Wald test Chi-sq(9)= 7.29 P-val=0.6065
 Stock-Wright LM S statistic Chi-sq(9)= 3.95 P-val=0.9147

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 114657
 Number of regressors K = 1
 Number of endogenous regressors K1 = 1
 Number of instruments L = 9
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 114657
 F(1, 53) = 2.07
 Prob > F = 0.1559
 Total (centered) SS = 8763.154281 Centered R2 = -0.0000
 Total (uncentered) SS = 8763.154281 Uncentered R2 = -0.0000
 Residual SS = 8763.22801 Root MSE = .2765

twproll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	-.0002896	.0001992	-1.45	0.146	-.0006801 .0001009

Underidentification test (Kleibergen-Paap rk LM statistic): 13.630
 Chi-sq(9) P-val = 0.1361

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
 (Kleibergen-Paap rk Wald F statistic): 525.058

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65

30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 3.301
 Chi-sq(8) P-val = 0.9141

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pia1 pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH3_nounemp.xls
 dir : seeout

phase 3 dependent variable: srvroll12, unemployment: nounemp

Summary results for first-stage regressions

Variable	F(9, 53) P-val		(Underid) AP Chi-sq(9) P-val		(Weak id) AP F(9, 53)	
	mototkt	525.06	0.0000	4819.09	0.0000	525.06

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test


```

(Kleibergen-Paap rk Wald F statistic):          525.058
Stock-Yogo weak ID test critical values:  5% maximal IV relative bias    20.53
                                           10% maximal IV relative bias   11.46
                                           20% maximal IV relative bias    6.65
                                           30% maximal IV relative bias    4.92
                                           10% maximal IV size             36.19
                                           15% maximal IV size             19.71
                                           20% maximal IV size             14.01
                                           25% maximal IV size             11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments):    6.334
                                                                    Chi-sq(8) P-val =    0.6099
-----

```

```

Instrumented:      mototkt
Included instruments:
Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY pia1 pia_miss ime1 ime_miss _cons
                  nb: small-sample adjustments account for
                      partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH3_nounemp.xls
dir : seeout

```

phase 3 dependent variable: srvroll24, unemployment: nounemp

Summary results for first-stage regressions

```

-----
Variable      | F( 9, 53) P-val | AP Chi-sq( 9) P-val | AP F( 9, 53)
mototkt      | 525.06 0.0000 | 4819.09 0.0000 | 525.06

```

NB: first-stage test statistics cluster-robust

```

Stock-Yogo weak ID test critical values for single endogenous regressor:
  5% maximal IV relative bias    20.53
 10% maximal IV relative bias   11.46
 20% maximal IV relative bias    6.65
 30% maximal IV relative bias    4.92
 10% maximal IV size             36.19
 15% maximal IV size             19.71
 20% maximal IV size             14.01
 25% maximal IV size             11.07

```


Underidentification test (Kleibergen-Paap rk LM statistic): 13.630
Chi-sq(9) P-val = 0.1361

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
(Kleibergen-Paap rk Wald F statistic): 525.058

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 6.233
Chi-sq(8) P-val = 0.6211

Instrumented: mototkt
Included instruments:
Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH3_nounemp.xls
dir : seeout

phase 3 dependent variable: srvroll36, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(9) P-val	AP F(9, 53)	P-val	AP
mototkt	525.06	0.0000	4819.09 0.0000	525.06		

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92

srvroll36	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0000903	.0001239	-0.73	0.466	-.0003332	.0001526

Underidentification test (Kleibergen-Paap rk LM statistic): 13.630
Chi-sq(9) P-val = 0.1361

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
(Kleibergen-Paap rk Wald F statistic): 525.058

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 4.747
Chi-sq(8) P-val = 0.7843

Instrumented: mototkt
Included instruments:
Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH3_nounemp.xls
dir : seeout

phase 3 dependent variable: srvroll148, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(9)	P-val	AP F(9, 53)	
mototkt	525.06	0.0000	4819.09	0.0000	525.06	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

Residual SS = 2750.909113 Root MSE = .1549

```
-----
      |               Robust
      |               Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
mototkt |   -.0000611   .0001123   -0.54   0.586   - .0002812   .000159
-----
```

Underidentification test (Kleibergen-Paap rk LM statistic): 13.630
 Chi-sq(9) P-val = 0.1361

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
 (Kleibergen-Paap rk Wald F statistic): 525.058

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 6.186
 Chi-sq(8) P-val = 0.6264

```
-----
Instrumented:      mototkt
Included instruments:
Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY pial pia_miss ime1 ime_miss _cons
                  nb: small-sample adjustments account for
                  partialled-out variables
-----
```

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH3_nounemp.xls
 dir : seeout

phase 3 dependent variable: nstwl2, unemployment: nounemp

Summary results for first-stage regressions

```
-----
Variable | F( 9, 53) P-val | (Underid) AP Chi-sq( 9) P-val | (Weak id) AP F( 9, 53)
mototkt | 525.06 0.0000 | 4819.09 0.0000 | 525.06
-----
```


Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(9)	P-val	AP F(9, 53)	
mototkt	525.06	0.0000	4819.09	0.0000	525.06	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=13.63 P-val=0.1361

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 67901.84

Kleibergen-Paap Wald rk F statistic 525.06

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 1.68 P-val=0.1174

Anderson-Rubin Wald test Chi-sq(9)= 15.41 P-val=0.0803

Stock-Wright LM S statistic Chi-sq(9)= 5.92 P-val=0.7484

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54

Number of observations N = 114657

Number of regressors K = 1

Number of endogenous regressors K1 = 1

Number of instruments L = 9

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 97

NB: K & L do not include partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	114657
		F(1, 53) =	0.68
		Prob > F =	0.4118
Total (centered) SS =	2008117.893	Centered R2 =	0.0000
Total (uncentered) SS =	2008117.893	Uncentered R2 =	0.0000
Residual SS =	2008115.781	Root MSE =	4.185

	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
nstw36					
mototkt	.0032156	.0038495	0.84	0.404	-.0043293 .0107605

Underidentification test (Kleibergen-Paap rk LM statistic): 13.630
 Chi-sq(9) P-val = 0.1361

Weak identification test (Cragg-Donald Wald F statistic): 6.8e+04
 (Kleibergen-Paap rk Wald F statistic): 525.058

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 5.722
 Chi-sq(8) P-val = 0.6784

Instrumented: mototkt
 Included instruments:
 Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH3_nounemp.xls

dir : seeout

phase 3 dependent variable: nstw48, unemployment: nounemp

Summary results for first-stage regressions

Variable | F(9, 53) P-val | AP Chi-sq(9) P-val | AP F(9, 53)
mototkt | 525.06 0.0000 | 4819.09 0.0000 | 525.06

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
Ha: matrix has rank=K1 (identified)
Kleibergen-Paap rk LM statistic Chi-sq(9)=13.63 P-val=0.1361

Weak identification test

Ho: equation is weakly identified
Cragg-Donald Wald F statistic 67901.84
Kleibergen-Paap Wald rk F statistic 525.06

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
Ho: B1=0 and orthogonality conditions are valid
Anderson-Rubin Wald test F(9,53)= 2.37 P-val=0.0246
Anderson-Rubin Wald test Chi-sq(9)= 21.77 P-val=0.0096
Stock-Wright LM S statistic Chi-sq(9)= 6.18 P-val=0.7218

NB: Underidentification, weak identification and weak-instrument-robust test statistics cluster-robust

Number of clusters N_clust = 54
Number of observations N = 114657
Number of regressors K = 1
Number of endogenous regressors K1 = 1

```

Number of instruments          L =          9
Number of excluded instruments L1 =         9
Number of partialled-out regressors/IVs =    97
NB: K & L do not included partialled-out variables

```

```

IV (2SLS) estimation
-----

```

```

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

```

```

Number of clusters (tsd_state) =      54                Number of obs =    114657
                                                F( 1,    53) =      1.01
                                                Prob > F      =    0.3187
Total (centered) SS      =  4198772.522                Centered R2      =    0.0000
Total (uncentered) SS   =  4198772.522                Uncentered R2    =    0.0000
Residual SS              =  4198751.261                Root MSE        =    6.051

```

```

-----
            |               Robust
            |               Coef.   Std. Err.      z    P>|z|     [95% Conf. Interval]
-----+-----
mototkt |   .0054938   .005405      1.02   0.309   - .0050997   .0160874
-----+-----

```

```

Underidentification test (Kleibergen-Paap rk LM statistic):      13.630
                                                               Chi-sq(9) P-val =    0.1361
-----

```

```

Weak identification test (Cragg-Donald Wald F statistic):      6.8e+04
(Kleibergen-Paap rk Wald F statistic):      525.058

```

```

Stock-Yogo weak ID test critical values:  5% maximal IV relative bias    20.53
                                           10% maximal IV relative bias   11.46
                                           20% maximal IV relative bias    6.65
                                           30% maximal IV relative bias    4.92
                                           10% maximal IV size             36.19
                                           15% maximal IV size             19.71
                                           20% maximal IV size             14.01
                                           25% maximal IV size             11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments):      6.033
                                                               Chi-sq(8) P-val =    0.6436
-----

```

```

Instrumented:      mototkt
Included instruments:
Excluded instruments: imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY pial pia_miss imel ime_miss_cons
nb: small-sample adjustments account for
    partialled-out variables

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH3_nounemp.xls
dir : seeout

phase 2 & phase 3 dependent variable: ldwroll12, unemployment: nounemp

Summary results for first-stage regressions

Variable			(Underid)			(Weak id)
	F(9, 53)	P-val	AP Chi-sq(9)	P-val	AP F(9, 53)	
mototkt	1515.36	0.0000	13903.22	0.0000	1515.36	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=27.80 P-val=0.0010

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.1e+05

Kleibergen-Paap Wald rk F statistic 1515.36

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 2.22 P-val=0.0349

Anderson-Rubin Wald test Chi-sq(9)= 20.36 P-val=0.0158

Stock-Wright LM S statistic Chi-sq(9)= 9.92 P-val=0.3571

NB: Underidentification, weak identification and weak-identification-robust
test statistics cluster-robust


```

Number of clusters          N_clust =      54
Number of observations      N =     191818
Number of regressors       K =      2
Number of endogenous regressors K1 =     1
Number of instruments       L =     10
Number of excluded instruments L1 =     9
Number of partialled-out regressors/IVs = 97
NB: K & L do not included partialled-out variables

```

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) =      54          Number of obs =    191818
                                                F( 2, 53) =    11.57
                                                Prob > F =    0.0001
Total (centered) SS = 3041.247583          Centered R2 =    0.0001
Total (uncentered) SS = 3041.247583      Uncentered R2 =    0.0001
Residual SS = 3040.977909                Root MSE =    .1259

```

```

-----
          |          Robust
          |          Coef.   Std. Err.      z    P>|z|    [95% Conf. Interval]
-----+-----
    ldwroll12 |          .0000594   .0000946    0.63   0.530    -.000126   .0002449
    mototkt   |          .0000594   .0000946    0.63   0.530    -.000126   .0002449
    phase2_st |          .0080042   .0018405    4.35   0.000    .0043969   .0116116
-----

```

```

Underidentification test (Kleibergen-Paap rk LM statistic):          27.804
                                                                Chi-sq(9) P-val =    0.0010
-----

```

```

Weak identification test (Cragg-Donald Wald F statistic):          1.1e+05
(Kleibergen-Paap rk Wald F statistic):          1515.357
Stock-Yogo weak ID test critical values:  5% maximal IV relative bias    20.53
                                           10% maximal IV relative bias    11.46
                                           20% maximal IV relative bias     6.65
                                           30% maximal IV relative bias     4.92
                                           10% maximal IV size             36.19
                                           15% maximal IV size             19.71
                                           20% maximal IV size             14.01
                                           25% maximal IV size             11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments):    9.823
                                                                Chi-sq(8) P-val =    0.2777
-----

```

```

Instrumented:          mototkt
Included instruments:  phase2_st
Excluded instruments:  imm_p11 imm_p13 imm_p14 imm_p15 imm_p16 imm_p17 imm_p18
                    imm_p19 imm_p110
Partialled-out:       male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                    race_b race_h race_i race_o race_mis tsd_edu_hs
                    tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                    tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                    tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                    pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                    cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                    diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                    twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                    st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                    st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN

```

st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_nounemp.xls
 dir : seeout

phase 2 & phase 3 dependent variable: ldwroll24, unemployment: nounemp

Summary results for first-stage regressions

	(Underid)		(Weak id)	
Variable	F(9, 53)	P-val	AP Chi-sq(9)	P-val
mototkt	1515.36	0.0000	13903.22	0.0000
				AP F(9, 53)
				1515.36

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=27.80 P-val=0.0010

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.1e+05

Kleibergen-Paap Wald rk F statistic 1515.36

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 2.20 P-val=0.0367

pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_nounemp.xls
 dir : seeout

phase 2 & phase 3 dependent variable: ldwroll36, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(9)	P-val
mototkt	1515.36	0.0000	13903.22	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=27.80 P-val=0.0010

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.1e+05

Kleibergen-Paap Wald rk F statistic 1515.36

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,53)=	1.66	P-val=0.1220
Anderson-Rubin Wald test	Chi-sq(9)=	15.24	P-val=0.0845
Stock-Wright LM S statistic	Chi-sq(9)=	10.63	P-val=0.3016

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	191818
Number of regressors	K =	2
Number of endogenous regressors	K1 =	1
Number of instruments	L =	10
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	191818
		F(2, 53) =	2.00
		Prob > F =	0.1456
Total (centered) SS =	8291.902397	Centered R2 =	0.0000
Total (uncentered) SS =	8291.902397	Uncentered R2 =	0.0000
Residual SS =	8291.734042	Root MSE =	.2079

ldwroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	-.0001795	.0001389	-1.29	0.196	-.0004518 .0000927
phase2_st	.0077681	.0039177	1.98	0.047	.0000896 .0154465

Underidentification test (Kleibergen-Paap rk LM statistic): 27.804
Chi-sq(9) P-val = 0.0010

Weak identification test (Cragg-Donald Wald F statistic): 1.1e+05
(Kleibergen-Paap rk Wald F statistic): 1515.357

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 6.419
Chi-sq(8) P-val = 0.6004

Instrumented: mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8

```

imm_p19 imm_p110
Partialled-out:  male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                  race_b race_h race_i race_o race_mis tsd_edu_hs
                  tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                  tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                  tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                  pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                  cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                  diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                  twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                  st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                  st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                  st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                  st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                  st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                  st_WY pia1 pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_nounemp.xls
dir : seeout

```

phase 2 & phase 3 dependent variable: ldwroll48, unemployment: nounemp

Summary results for first-stage regressions

```

-----
Variable          | F(  9,  53) P-val | AP Chi-sq(  9) P-val | AP F(  9,  53)
mototkt           | 1515.36  0.0000 | 13903.22  0.0000 | 1515.36

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

```

5% maximal IV relative bias  20.53
10% maximal IV relative bias  11.46
20% maximal IV relative bias   6.65
30% maximal IV relative bias   4.92
10% maximal IV size           36.19
15% maximal IV size           19.71
20% maximal IV size           14.01
25% maximal IV size           11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=27.80 P-val=0.0010

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.1e+05

Kleibergen-Paap Wald rk F statistic 1515.36

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

```

5% maximal IV relative bias  20.53
10% maximal IV relative bias  11.46
20% maximal IV relative bias   6.65

```

30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,53)=	3.79	P-val=0.0010
Anderson-Rubin Wald test	Chi-sq(9)=	34.74	P-val=0.0001
Stock-Wright LM S statistic	Chi-sq(9)=	15.93	P-val=0.0683

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	191818
Number of regressors	K =	2
Number of endogenous regressors	K1 =	1
Number of instruments	L =	10
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	191818
		F(2, 53) =	1.49
		Prob > F =	0.2346
Total (centered) SS =	10458.371	Centered R2 =	0.0000
Total (uncentered) SS =	10458.371	Uncentered R2 =	0.0000
Residual SS =	10458.36702	Root MSE =	.2335

ldwroll148	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0002769	.000159	-1.74	0.082	-.0005886	.0000348
phase2_st	.0031993	.0044136	0.72	0.469	-.0054512	.0118498

Underidentification test (Kleibergen-Paap rk LM statistic): 27.804
Chi-sq(9) P-val = 0.0010

Weak identification test (Cragg-Donald Wald F statistic): 1.1e+05
(Kleibergen-Paap rk Wald F statistic): 1515.357

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	20.53
	10% maximal IV relative bias	11.46
	20% maximal IV relative bias	6.65
	30% maximal IV relative bias	4.92
	10% maximal IV size	36.19
	15% maximal IV size	19.71
	20% maximal IV size	14.01
	25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 7.656
 Chi-sq(8) P-val = 0.4678

```
-----
Instrumented:      mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
                   imm_pl9 imm_pl10
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                   race_b race_h race_i race_o race_mis tsd_edu_hs
                   tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                   tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                   tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                   pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                   cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                   diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                   twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                   st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                   st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                   st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                   st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                   st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                   st_WY pia1 pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
    partialled-out variables
-----
```

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_nounemp.xls
 dir : seeout

phase 2 & phase 3 dependent variable: eperoll12, unemployment: nounemp

Summary results for first-stage regressions

```
-----
Variable      | F( 9, 53) P-val | (Underid) AP Chi-sq( 9) P-val | (Weak id) AP F( 9, 53)
mototkt      | 1515.36 0.0000 | 13903.22 0.0000 | 1515.36
```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

```
5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size         36.19
15% maximal IV size         19.71
20% maximal IV size         14.01
25% maximal IV size         11.07
```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=27.80 P-val=0.0010

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.1e+05

Kleibergen-Paap Wald rk F statistic 1515.36

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,53)=	1.20	P-val=0.3132
Anderson-Rubin Wald test	Chi-sq(9)=	11.03	P-val=0.2735
Stock-Wright LM S statistic	Chi-sq(9)=	11.54	P-val=0.2406

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	191818
Number of regressors	K =	2
Number of endogenous regressors	K1 =	1
Number of instruments	L =	10
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	191818
		F(2, 53) =	2.02
		Prob > F =	0.1427
Total (centered) SS =	4022.63217	Centered R2 =	0.0000
Total (uncentered) SS =	4022.63217	Uncentered R2 =	0.0000
Residual SS =	4022.489927	Root MSE =	.1448

eperoll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	

mototkt	.0001223	.0001202	1.02	0.309	-.0001134	.0003579
phase2_st	.0045535	.0025619	1.78	0.075	-.0004677	.0095747

Underidentification test (Kleibergen-Paap rk LM statistic): 27.804
Chi-sq(9) P-val = 0.0010

Weak identification test (Cragg-Donald Wald F statistic): 1.1e+05
(Kleibergen-Paap rk Wald F statistic): 1515.357

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	20.53
	10% maximal IV relative bias	11.46
	20% maximal IV relative bias	6.65
	30% maximal IV relative bias	4.92
	10% maximal IV size	36.19

15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 8.380
 Chi-sq(8) P-val = 0.3973

Instrumented: mototkt
 Included instruments: phase2_st
 Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
 imm_pl9 imm_pl10
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_nounemp.xls
 dir : seeout

phase 2 & phase 3 dependent variable: eperoll24, unemployment: nounemp

Summary results for first-stage regressions

Variable	F(9, 53)	P-val	(Underid) AP Chi-sq(9)	P-val	(Weak id) AP F(9, 53)
mototkt	1515.36	0.0000	13903.22	0.0000	1515.36

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)


```

(Kleibergen-Paap rk Wald F statistic):          1515.357
Stock-Yogo weak ID test critical values:  5% maximal IV relative bias    20.53
                                           10% maximal IV relative bias   11.46
                                           20% maximal IV relative bias    6.65
                                           30% maximal IV relative bias    4.92
                                           10% maximal IV size             36.19
                                           15% maximal IV size             19.71
                                           20% maximal IV size             14.01
                                           25% maximal IV size             11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments):    11.523
                                                                    Chi-sq(8) P-val =    0.1738
-----

```

```

Instrumented:      mototkt
Included instruments: phase2_st
Excluded instruments: imm_p11 imm_p13 imm_p14 imm_p15 imm_p16 imm_p17 imm_p18
                   imm_p19 imm_p110
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                   race_b race_h race_i race_o race_mis tsd_edu_hs
                   tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                   tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                   tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                   pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                   cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                   diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                   twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                   st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                   st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                   st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                   st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                   st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                   st_WY pial pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_nounemp.xls
dir : seeout

```

phase 2 & phase 3 dependent variable: eperoll36, unemployment: nounemp

Summary results for first-stage regressions

```

-----
Variable      | F( 9, 53) P-val | (Underid) AP Chi-sq( 9) P-val | (Weak id) AP F( 9, 53)
mototkt      | 1515.36 0.0000 | 13903.22 0.0000 | 1515.36

```

NB: first-stage test statistics cluster-robust

```

Stock-Yogo weak ID test critical values for single endogenous regressor:
    5% maximal IV relative bias    20.53
    10% maximal IV relative bias   11.46
    20% maximal IV relative bias    6.65
    30% maximal IV relative bias    4.92
    10% maximal IV size             36.19
    15% maximal IV size             19.71
    20% maximal IV size             14.01

```

25% maximal IV size 11.07
 Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(9)=27.80 P-val=0.0010

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 1.1e+05
 Kleibergen-Paap Wald rk F statistic 1515.36

Stock-Yogo weak ID test critical values for K1=1 and L1=9:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,53)= 3.94 P-val=0.0007
 Anderson-Rubin Wald test Chi-sq(9)= 36.19 P-val=0.0000
 Stock-Wright LM S statistic Chi-sq(9)= 16.28 P-val=0.0613

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 191818
 Number of regressors K = 2
 Number of endogenous regressors K1 = 1
 Number of instruments L = 10
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 191818
 F(2, 53) = 0.77
 Prob > F = 0.4696
 Total (centered) SS = 10660.33494 Centered R2 = -0.0000
 Total (uncentered) SS = 10660.33494 Uncentered R2 = -0.0000
 Residual SS = 10660.36364 Root MSE = .2357

	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
eperoll36						
mototkt	-.0001978	.0001596	-1.24	0.215	-.0005106	.000115

```

phase2_st | .0009271 .0038609 0.24 0.810 -.0066402 .0084944
-----
Underidentification test (Kleibergen-Paap rk LM statistic): 27.804
Chi-sq(9) P-val = 0.0010
-----
Weak identification test (Cragg-Donald Wald F statistic): 1.1e+05
(Kleibergen-Paap rk Wald F statistic): 1515.357
Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments): 15.920
Chi-sq(8) P-val = 0.0435
-----

```

```

Instrumented: mototkt
Included instruments: phase2_st
Excluded instruments: imm_p11 imm_p13 imm_p14 imm_p15 imm_p16 imm_p17 imm_p18
imm_p19 imm_p110
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_nounemp.xls
dir : seeout

```

phase 2 & phase 3 dependent variable: eperoll48, unemployment: nounemp

Summary results for first-stage regressions

```

-----
Variable | F( 9, 53) P-val | AP Chi-sq( 9) P-val | AP F( 9, 53)
mototkt | 1515.36 0.0000 | 13903.22 0.0000 | 1515.36
-----

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53


```

-----
      eperoll48 |           Coef.      Robust
                |           Std. Err.      z    P>|z|      [95% Conf. Interval]
-----+-----
      mototkt   |   -.0002662   .0001876   -1.42   0.156   -.0006339   .0001015
      phase2_st |   -.0050938   .0045729   -1.11   0.265   -.0140566   .003869
-----

```

Underidentification test (Kleibergen-Paap rk LM statistic): 27.804
Chi-sq(9) P-val = 0.0010

Weak identification test (Cragg-Donald Wald F statistic): 1.1e+05
(Kleibergen-Paap rk Wald F statistic): 1515.357

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 9.401
Chi-sq(8) P-val = 0.3096

```

-----
Instrumented:      mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_nounemp.xls
dir : seeout

```

phase 2 & phase 3 dependent variable: twproll12, unemployment: nounemp

Summary results for first-stage regressions

```

-----
Variable          | F( 9, 53) P-val | AP Chi-sq( 9) P-val | AP F( 9, 53)
-----+-----

```


mototkt | 1515.36 0.0000 | 13903.22 0.0000 | 1515.36

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=27.80 P-val=0.0010

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.1e+05

Kleibergen-Paap Wald rk F statistic 1515.36

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 0.21 P-val=0.9924

Anderson-Rubin Wald test Chi-sq(9)= 1.89 P-val=0.9931

Stock-Wright LM S statistic Chi-sq(9)= 1.66 P-val=0.9957

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54

Number of observations N = 191818

Number of regressors K = 2

Number of endogenous regressors K1 = 1

Number of instruments L = 10

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_nounemp.xls
 dir : seeout

phase 2 & phase 3 dependent variable: twproll36, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(9)	P-val
mototkt	1515.36	0.0000	13903.22	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=27.80 P-val=0.0010

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.1e+05

Kleibergen-Paap Wald rk F statistic 1515.36

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 1.51 P-val=0.1686

Anderson-Rubin Wald test Chi-sq(9)= 13.86 P-val=0.1276

Stock-Wright LM S statistic Chi-sq(9)= 8.88 P-val=0.4480

NB: Underidentification, weak identification and weak-identification-robust
 test statistics cluster-robust

Number of clusters N_clust = 54

st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_nounemp.xls
 dir : seeout

phase 2 & phase 3 dependent variable: twproll48, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(9)	P-val
mototkt	1515.36	0.0000	13903.22	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=27.80 P-val=0.0010

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.1e+05

Kleibergen-Paap Wald rk F statistic 1515.36

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 0.76 P-val=0.6549

Anderson-Rubin Wald test Chi-sq(9)= 6.95 P-val=0.6419

cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_nounemp.xls
dir : seeout

phase 2 & phase 3 dependent variable: srvroll12, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(9)	P-val
mototkt	1515.36	0.0000	13903.22	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=27.80 P-val=0.0010

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.1e+05

Kleibergen-Paap Wald rk F statistic 1515.36

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

 N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_nounemp.xls
 dir : seeout

phase 2 & phase 3 dependent variable: srvroll24, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(9)	P-val
mototkt	1515.36	0.0000	13903.22	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=27.80 P-val=0.0010

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.1e+05

Kleibergen-Paap Wald rk F statistic 1515.36

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92

10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,53)=	2.21	P-val=0.0358
Anderson-Rubin Wald test	Chi-sq(9)=	20.26	P-val=0.0164
Stock-Wright LM S statistic	Chi-sq(9)=	11.32	P-val=0.2546

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	191818
Number of regressors	K =	2
Number of endogenous regressors	K1 =	1
Number of instruments	L =	10
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	191818
		F(2, 53) =	12.12
		Prob > F =	0.0000
Total (centered) SS =	4263.303174	Centered R2 =	0.0003
Total (uncentered) SS =	4263.303174	Uncentered R2 =	0.0003
Residual SS =	4262.012283	Root MSE =	.1491

srvroll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0003685	.0001033	-3.57	0.000	-.000571	-.0001659
phase2_st	-.0087	.0028241	-3.08	0.002	-.0142352	-.0031647

Underidentification test (Kleibergen-Paap rk LM statistic): 27.804
 Chi-sq(9) P-val = 0.0010

Weak identification test (Cragg-Donald Wald F statistic): 1.1e+05
 (Kleibergen-Paap rk Wald F statistic): 1515.357

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 5.211

Chi-sq(8) P-val = 0.7348

```

-----
Instrumented:      mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
                    imm_pl9 imm_pl10
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                    race_b race_h race_i race_o race_mis tsd_edu_hs
                    tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                    tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
                    tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                    pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                    cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                    diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                    twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                    st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                    st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                    st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                    st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                    st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                    st_WY pial pia_miss ime1 ime_miss_cons
                    nb: small-sample adjustments account for
                        partialled-out variables
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_nounemp.xls
dir : seeout

```

phase 2 & phase 3 dependent variable: srvroll36, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(9)	P-val	AP F(9, 53)	
mototkt	1515.36	0.0000	13903.22	0.0000	1515.36	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(9)=27.80 P-val=0.0010

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.1e+05

Kleibergen-Paap Wald rk F statistic 1515.36

Stock-Yogo weak ID test critical values for K1=1 and L1=9:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,53)=	1.21	P-val=0.3059
Anderson-Rubin Wald test	Chi-sq(9)=	11.15	P-val=0.2658
Stock-Wright LM S statistic	Chi-sq(9)=	7.09	P-val=0.6275

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust	=	54
Number of observations	N	=	191818
Number of regressors	K	=	2
Number of endogenous regressors	K1	=	1
Number of instruments	L	=	10
Number of excluded instruments	L1	=	9
Number of partialled-out regressors/IVs		=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	191818
		F(2, 53) =	15.71
		Prob > F =	0.0000
Total (centered) SS =	4350.874139	Centered R2 =	0.0003
Total (uncentered) SS =	4350.874139	Uncentered R2 =	0.0003
Residual SS =	4349.590735	Root MSE =	.1506

srvroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	

mototkt	-.0001576	.0001066	-1.48	0.139	-.0003665	.0000512
phase2_st	-.0156398	.0028176	-5.55	0.000	-.0211622	-.0101174

Underidentification test (Kleibergen-Paap rk LM statistic): 27.804
Chi-sq(9) P-val = 0.0010

Weak identification test (Cragg-Donald Wald F statistic): 1.1e+05
(Kleibergen-Paap rk Wald F statistic): 1515.357

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	20.53
	10% maximal IV relative bias	11.46
	20% maximal IV relative bias	6.65
	30% maximal IV relative bias	4.92
	10% maximal IV size	36.19
	15% maximal IV size	19.71

20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 6.789
 Chi-sq(8) P-val = 0.5596

Instrumented: mototkt
 Included instruments: phase2_st
 Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
 imm_pl9 imm_pl10
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_nounemp.xls
 dir : seeout

phase 2 & phase 3 dependent variable: srvroll48, unemployment: nounemp

Summary results for first-stage regressions

Variable	F(9, 53)	P-val	(Underid) AP Chi-sq(9)	P-val	(Weak id) AP F(9, 53)
mototkt	1515.36	0.0000	13903.22	0.0000	1515.36

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 7.916
 Chi-sq(8) P-val = 0.4417

Instrumented: mototkt
 Included instruments: phase2_st
 Excluded instruments: imm_p11 imm_p13 imm_p14 imm_p15 imm_p16 imm_p17 imm_p18
 imm_p19 imm_p110
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pia1 pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_nounemp.xls
 dir : seeout

phase 2 & phase 3 dependent variable: nstwl2, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(9)	P-val
mototkt	1515.36	0.0000	13903.22	0.0000

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.46
 20% maximal IV relative bias 6.65
 30% maximal IV relative bias 4.92
 10% maximal IV size 36.19
 15% maximal IV size 19.71
 20% maximal IV size 14.01
 25% maximal IV size 11.07

Underidentification test (Kleibergen-Paap rk LM statistic): 27.804
Chi-sq(9) P-val = 0.0010

Weak identification test (Cragg-Donald Wald F statistic): 1.1e+05
(Kleibergen-Paap rk Wald F statistic): 1515.357
Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46
20% maximal IV relative bias 6.65
30% maximal IV relative bias 4.92
10% maximal IV size 36.19
15% maximal IV size 19.71
20% maximal IV size 14.01
25% maximal IV size 11.07

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 9.115
Chi-sq(8) P-val = 0.3327

Instrumented: mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_nounemp.xls
dir : seeout

phase 2 & phase 3 dependent variable: nstw24, unemployment: nounemp

Summary results for first-stage regressions

Variable | F(9, 53) P-val | (Underid) AP Chi-sq(9) P-val | (Weak id) AP F(9, 53)
mototkt | 1515.36 0.0000 | 13903.22 0.0000 | 1515.36

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.46

nstw24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	.0019352	.0016843	1.15	0.251	-.001366	.0052364
phase2_st	.2937131	.0341739	8.59	0.000	.2267335	.3606927

Underidentification test (Kleibergen-Paap rk LM statistic): 27.804
Chi-sq(9) P-val = 0.0010

Weak identification test (Cragg-Donald Wald F statistic): 1.1e+05
(Kleibergen-Paap rk Wald F statistic): 1515.357

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 9.766
Chi-sq(8) P-val = 0.2818

Instrumented: mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_nounemp.xls
dir : seeout

phase 2 & phase 3 dependent variable: nstw36, unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(9)	P-val	AP F(9, 53)	
mototkt	1515.36	0.0000	13903.22	0.0000	1515.36	

			F(2, 53) =	39.44
			Prob > F =	0.0000
Total (centered) SS	=	3203521.5	Centered R2 =	0.0002
Total (uncentered) SS	=	3203521.5	Uncentered R2 =	0.0002
Residual SS	=	3202810.967	Root MSE =	4.086

nstw36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	.0009545	.0031313	0.30	0.760	-.0051827	.0070918
phase2_st	.4327448	.0542546	7.98	0.000	.3264077	.5390818

Underidentification test (Kleibergen-Paap rk LM statistic): 27.804
Chi-sq(9) P-val = 0.0010

Weak identification test (Cragg-Donald Wald F statistic): 1.1e+05
(Kleibergen-Paap rk Wald F statistic): 1515.357

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.46
20% maximal IV relative bias	6.65
30% maximal IV relative bias	4.92
10% maximal IV size	36.19
15% maximal IV size	19.71
20% maximal IV size	14.01
25% maximal IV size	11.07

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 8.241
Chi-sq(8) P-val = 0.4103

Instrumented: mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8 imm_pl9 imm_pl10
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_nounemp.xls
dir : seeout

phase 2 & phase 3 dependent variable: nstw48, unemployment: nounemp

dir : seeout

phase 2 & phase 3 with interactions dependent variable: ldwroll12,
unemployment: nounemp

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(8)	P-val	AP F(8, 53)	
mototkt	1515.36	0.0000	162.19	0.0000	19.89	
int_mototkt	3.05	0.0052	10.15	0.2545	1.24	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.39
20% maximal IV relative bias	6.69
30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(8)=8.27 P-val=0.4077

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.20

Kleibergen-Paap Wald rk F statistic 1.36

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 2.22 P-val=0.0349

Anderson-Rubin Wald test Chi-sq(9)= 20.36 P-val=0.0158

Stock-Wright LM S statistic Chi-sq(9)= 9.92 P-val=0.3571

NB: Underidentification, weak identification and weak-identification-robust
test statistics cluster-robust

Number of clusters N_clust = 54

Number of observations N = 191818


```

st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_noune
> mp.xls
dir : seeout

```

```

***phase 2 & phase 3 with interactions*** dependent variable: ldwroll24,
unemployment: nounemp

```

Summary results for first-stage regressions

```

-----
Variable | F( 9, 53) P-val | (Underid) AP Chi-sq( 8) P-val | (Weak id) AP F( 8, 53)
mototkt | 1515.36 0.0000 | 162.19 0.0000 | 19.89
int_mototkt | 3.05 0.0052 | 10.15 0.2545 | 1.24

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

```

5% maximal IV relative bias 20.53
10% maximal IV relative bias 11.39
20% maximal IV relative bias 6.69
30% maximal IV relative bias 4.99
10% maximal IV size 33.84
15% maximal IV size 18.54
20% maximal IV size 13.24
25% maximal IV size 10.50

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(8)=8.27 P-val=0.4077

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.20

Kleibergen-Paap Wald rk F statistic 1.36

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

```

5% maximal IV relative bias 18.30
10% maximal IV relative bias 10.43
20% maximal IV relative bias 6.22
30% maximal IV relative bias 4.69
10% maximal IV size 27.51
15% maximal IV size 15.24
20% maximal IV size 11.03
25% maximal IV size 8.85

```

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid
Anderson-Rubin Wald test F(9,53)= 2.20 P-val=0.0367
Anderson-Rubin Wald test Chi-sq(9)= 20.17 P-val=0.0169
Stock-Wright LM S statistic Chi-sq(9)= 14.01 P-val=0.1219

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
Number of observations N = 191818
Number of regressors K = 3
Number of endogenous regressors K1 = 2
Number of instruments L = 10
Number of excluded instruments L1 = 9
Number of partialled-out regressors/IVs = 97
NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 191818
F(3, 53) = 0.97
Prob > F = 0.4118
Total (centered) SS = 5839.607672 Centered R2 = -0.2783
Total (uncentered) SS = 5839.607672 Uncentered R2 = -0.2783
Residual SS = 7464.521811 Root MSE = .1973

ldwroll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	.0247409	.0162299	1.52	0.127	-.0070692	.0565509
int_mototkt	-.0611835	.0362371	-1.69	0.091	-.1322069	.0098398
phase2_st	.2384538	.138986	1.72	0.086	-.0339537	.5108614

Underidentification test (Kleibergen-Paap rk LM statistic): 8.269
Chi-sq(8) P-val = 0.4077

Weak identification test (Cragg-Donald Wald F statistic): 1.203
(Kleibergen-Paap rk Wald F statistic): 1.356

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 5.875
Chi-sq(7) P-val = 0.5544

Instrumented: mototkt int_mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs

```

tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psbl tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pia1 pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_noune
> mp.xls
dir : seeout

```

phase 2 & phase 3 with interactions dependent variable: ldwroll36,
unemployment: nounemp

Summary results for first-stage regressions

```

-----
Variable | F( 9, 53) P-val | (Underid) AP Chi-sq( 8) P-val | (Weak id) AP F( 8, 53)
mototkt | 1515.36 0.0000 | 162.19 0.0000 | 19.89
int_mototkt | 3.05 0.0052 | 10.15 0.2545 | 1.24

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.39
20% maximal IV relative bias	6.69
30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(8)=8.27 P-val=0.4077

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.20

Kleibergen-Paap Wald rk F statistic 1.36

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22

30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,53)=	1.66	P-val=0.1220
Anderson-Rubin Wald test	Chi-sq(9)=	15.24	P-val=0.0845
Stock-Wright LM S statistic	Chi-sq(9)=	10.63	P-val=0.3016

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	191818
Number of regressors	K =	3
Number of endogenous regressors	K1 =	2
Number of instruments	L =	10
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	191818
		F(3, 53) =	0.74
		Prob > F =	0.5333
Total (centered) SS =	8291.902397	Centered R2 =	-0.2103
Total (uncentered) SS =	8291.902397	Uncentered R2 =	-0.2103
Residual SS =	10035.75161	Root MSE =	.2287

ldwroll136	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	.0255811	.0174071	1.47	0.142	-.0085363	.0596985
int_mototkt	-.0632654	.0427508	-1.48	0.139	-.1470555	.0205246
phase2_st	.2452685	.1693541	1.45	0.148	-.0866596	.5771965

Underidentification test (Kleibergen-Paap rk LM statistic): 8.269
 Chi-sq(8) P-val = 0.4077

Weak identification test (Cragg-Donald Wald F statistic): 1.203
 (Kleibergen-Paap rk Wald F statistic): 1.356

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	18.30
	10% maximal IV relative bias	10.43
	20% maximal IV relative bias	6.22
	30% maximal IV relative bias	4.69
	10% maximal IV size	27.51
	15% maximal IV size	15.24
	20% maximal IV size	11.03
	25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 4.875
Chi-sq(7) P-val = 0.6752

Instrumented: mototkt int_mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_noune
> mp.xls
dir : seeout

phase 2 & phase 3 with interactions dependent variable: ldwroll48,
unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(8)	P-val	AP F(8, 53)	
mototkt	1515.36	0.0000	162.19	0.0000	19.89	
int_mototkt	3.05	0.0052	10.15	0.2545	1.24	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.39
20% maximal IV relative bias	6.69
30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(8)=8.27 P-val=0.4077

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 1.20
 Kleibergen-Paap Wald rk F statistic 1.36

Stock-Yogo weak ID test critical values for K1=2 and L1=9:
 5% maximal IV relative bias 18.30
 10% maximal IV relative bias 10.43
 20% maximal IV relative bias 6.22
 30% maximal IV relative bias 4.69
 10% maximal IV size 27.51
 15% maximal IV size 15.24
 20% maximal IV size 11.03
 25% maximal IV size 8.85

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,53)= 3.79 P-val=0.0010
 Anderson-Rubin Wald test Chi-sq(9)= 34.74 P-val=0.0001
 Stock-Wright LM S statistic Chi-sq(9)= 15.93 P-val=0.0683

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 191818
 Number of regressors K = 3
 Number of endogenous regressors K1 = 2
 Number of instruments L = 10
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 191818
 F(3, 53) = 0.81
 Prob > F = 0.4927
 Total (centered) SS = 10458.371 Centered R2 = -0.1943
 Total (uncentered) SS = 10458.371 Uncentered R2 = -0.1943
 Residual SS = 12490.34299 Root MSE = .2552

ldwroll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	.027581	.0189	1.46	0.144	-.0094624	.0646244
int_mototkt	-.068416	.0438588	-1.56	0.119	-.1543776	.0175455
phase2_st	.2600353	.1718256	1.51	0.130	-.0767367	.5968073

Underidentification test (Kleibergen-Paap rk LM statistic): 8.269
 Chi-sq(8) P-val = 0.4077

Weak identification test (Cragg-Donald Wald F statistic): 1.203
 (Kleibergen-Paap rk Wald F statistic): 1.356

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.30
 10% maximal IV relative bias 10.43
 20% maximal IV relative bias 6.22
 30% maximal IV relative bias 4.69
 10% maximal IV size 27.51
 15% maximal IV size 15.24
 20% maximal IV size 11.03
 25% maximal IV size 8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 6.510
 Chi-sq(7) P-val = 0.4816

Instrumented: mototkt int_mototkt
 Included instruments: phase2_st
 Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
 imm_pl9 imm_pl10
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pia1 pia_miss ime1 ime_miss _cons
 nb: small-sample adjustments account for
 partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_interact_noune
 > mp.xls
 dir : seeout

phase 2 & phase 3 with interactions dependent variable: eperoll12,
 unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(8)	P-val
mototkt	1515.36	0.0000	162.19	0.0000
int_mototkt	3.05	0.0052	10.15	0.2545

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.39
 20% maximal IV relative bias 6.69
 30% maximal IV relative bias 4.99
 10% maximal IV size 33.84

mototkt	.0151248	.0145292	1.04	0.298	-.013352	.0436016
int_mototkt	-.0368447	.0339673	-1.08	0.278	-.1034193	.0297299
phase2_st	.1428697	.1272395	1.12	0.262	-.1065151	.3922544

Underidentification test (Kleibergen-Paap rk LM statistic): 8.269
Chi-sq(8) P-val = 0.4077

Weak identification test (Cragg-Donald Wald F statistic): 1.203
(Kleibergen-Paap rk Wald F statistic): 1.356

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 6.379
Chi-sq(7) P-val = 0.4962

Instrumented: mototkt int_mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_noune
> mp.xls
dir : seeout

phase 2 & phase 3 with interactions dependent variable: eperoll24,
unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(8)	P-val	AP F(8, 53)	
mototkt	1515.36	0.0000	162.19	0.0000	19.89	

int_mototkt | 3.05 0.0052 | 10.15 0.2545 | 1.24

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.39
20% maximal IV relative bias	6.69
30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(8)=8.27 P-val=0.4077

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.20

Kleibergen-Paap Wald rk F statistic 1.36

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 2.33 P-val=0.0271

Anderson-Rubin Wald test Chi-sq(9)= 21.37 P-val=0.0111

Stock-Wright LM S statistic Chi-sq(9)= 12.79 P-val=0.1721

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54

Number of observations N = 191818

Number of regressors K = 3

Number of endogenous regressors K1 = 2

Number of instruments L = 10

Number of excluded instruments L1 = 9

Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

```

Number of clusters (tsd_state) =      54
Number of obs =      191818
F( 3, 53) =      0.46
Prob > F =      0.7129
Total (centered) SS =      7672.662074
Centered R2 =      -0.1102
Total (uncentered) SS =      7672.662074
Uncentered R2 =      -0.1102
Residual SS =      8518.446305
Root MSE =      .2107

```

```

-----
      eperoll24 |           Coef.      Robust
                |           Std. Err.      z    P>|z|      [95% Conf. Interval]
-----+-----
      mototkt |      .0178182      .0164685      1.08   0.279   - .0144594   .0500958
int_mototkt |     -.04440704     .0409259     -1.08   0.282   - .1242838   .036143
  phase2_st |      .1712667     .1571319      1.09   0.276   - .1367062   .4792396
-----

```

```

Underidentification test (Kleibergen-Paap rk LM statistic):      8.269
Chi-sq(8) P-val =      0.4077

```

```

-----
Weak identification test (Cragg-Donald Wald F statistic):      1.203
(Kleibergen-Paap rk Wald F statistic):      1.356
Stock-Yogo weak ID test critical values:  5% maximal IV relative bias      18.30
                                           10% maximal IV relative bias      10.43
                                           20% maximal IV relative bias      6.22
                                           30% maximal IV relative bias      4.69
                                           10% maximal IV size      27.51
                                           15% maximal IV size      15.24
                                           20% maximal IV size      11.03
                                           25% maximal IV size      8.85

```

```

Source: Stock-Yogo (2005).  Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

```

-----
Hansen J statistic (overidentification test of all instruments):      6.331
Chi-sq(7) P-val =      0.5016

```

```

-----
Instrumented:      mototkt int_mototkt
Included instruments: phase2_st
Excluded instruments: imm_p11 imm_p13 imm_p14 imm_p15 imm_p16 imm_p17 imm_p18
imm_p19 imm_p110
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_noune
> mp.xls
dir : seeout

```

phase 2 & phase 3 with interactions dependent variable: eperoll36,
unemployment: nounemp

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(8)	P-val	AP F(8, 53)	
mototkt	1515.36	0.0000	162.19	0.0000	19.89	
int_mototkt	3.05	0.0052	10.15	0.2545	1.24	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.39
20% maximal IV relative bias	6.69
30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(8)=8.27 P-val=0.4077

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.20

Kleibergen-Paap Wald rk F statistic 1.36

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 3.94 P-val=0.0007

Anderson-Rubin Wald test Chi-sq(9)= 36.19 P-val=0.0000

Stock-Wright LM S statistic Chi-sq(9)= 16.28 P-val=0.0613

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	191818
Number of regressors	K =	3
Number of endogenous regressors	K1 =	2
Number of instruments	L =	10

nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_noune
> mp.xls
dir : seeout

phase 2 & phase 3 with interactions dependent variable: eperoll48,
unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(8)	P-val
mototkt	1515.36	0.0000	162.19	0.0000
int_mototkt	3.05	0.0052	10.15	0.2545

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.39
20% maximal IV relative bias	6.69
30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(8)=8.27 P-val=0.4077

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.20

Kleibergen-Paap Wald rk F statistic 1.36

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 2.06 P-val=0.0504

Anderson-Rubin Wald test Chi-sq(9)= 18.88 P-val=0.0262


```

pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_noune
> mp.xls
dir : seeout

```

phase 2 & phase 3 with interactions dependent variable: twproll12,
unemployment: nounemp

Summary results for first-stage regressions

```

-----

```

Variable	F(9, 53) P-val		(Underid) AP Chi-sq(8) P-val		(Weak id) AP F(8, 53)	
	mototkt	1515.36	0.0000	162.19	0.0000	19.89
int_mototkt	3.05	0.0052	10.15	0.2545	1.24	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.39
20% maximal IV relative bias	6.69
30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(8)=8.27 P-val=0.4077

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.20

Kleibergen-Paap Wald rk F statistic 1.36

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24

20% maximal IV size 11.03
 25% maximal IV size 8.85

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 0.21 P-val=0.9924
 Anderson-Rubin Wald test Chi-sq(9)= 1.89 P-val=0.9931
 Stock-Wright LM S statistic Chi-sq(9)= 1.66 P-val=0.9957

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 191818
 Number of regressors K = 3
 Number of endogenous regressors K1 = 2
 Number of instruments L = 10
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 97
 NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 191818
 F(3, 53) = 0.09
 Prob > F = 0.9678
 Total (centered) SS = 6152.136296 Centered R2 = -0.0029
 Total (uncentered) SS = 6152.136296 Uncentered R2 = -0.0029
 Residual SS = 6169.811512 Root MSE = .1793

twproll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0026207	.0134329	-0.20	0.845	-.0289486	.0237072
int_mototkt	.0062377	.0331041	0.19	0.851	-.0586451	.0711205
phase2_st	-.025045	.1245555	-0.20	0.841	-.2691694	.2190793

Underidentification test (Kleibergen-Paap rk LM statistic): 8.269
 Chi-sq(8) P-val = 0.4077

Weak identification test (Cragg-Donald Wald F statistic): 1.203
 (Kleibergen-Paap rk Wald F statistic): 1.356

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.30
 10% maximal IV relative bias 10.43
 20% maximal IV relative bias 6.22
 30% maximal IV relative bias 4.69
 10% maximal IV size 27.51
 15% maximal IV size 15.24
 20% maximal IV size 11.03
 25% maximal IV size 8.85

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 1.327
 Chi-sq(7) P-val = 0.9877

```

-----
Instrumented:      mototkt int_mototkt
Included instruments: phase2_st
Excluded instruments: imm_p11 imm_p13 imm_p14 imm_p15 imm_p16 imm_p17 imm_p18
imm_p19 imm_p110
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
partialled-out variables
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_noune
> mp.xls
dir : seeout

```

phase 2 & phase 3 with interactions dependent variable: twproll24,
unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(8)	P-val	AP F(8, 53)	
mototkt	1515.36	0.0000	162.19	0.0000	19.89	
int_mototkt	3.05	0.0052	10.15	0.2545	1.24	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.39
20% maximal IV relative bias	6.69
30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(8)=8.27 P-val=0.4077

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.20
 Kleibergen-Paap Wald rk F statistic 1.36

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,53)=	0.80	P-val=0.6201
Anderson-Rubin Wald test	Chi-sq(9)=	7.32	P-val=0.6042
Stock-Wright LM S statistic	Chi-sq(9)=	5.50	P-val=0.7891

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	191818
Number of regressors	K =	3
Number of endogenous regressors	K1 =	2
Number of instruments	L =	10
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	191818
		F(3, 53) =	2.78
		Prob > F =	0.0498
Total (centered) SS =	10461.00264	Centered R2 =	0.0000
Total (uncentered) SS =	10461.00264	Uncentered R2 =	0.0000
Residual SS =	10460.76484	Root MSE =	.2335

twproll24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]
mototkt	-1.24e-07	.0150536	-0.00	1.000	-.0295047 .0295045
int_mototkt	-.0006127	.037019	-0.02	0.987	-.0731686 .0719431
phase2_st	-.0068038	.1383254	-0.05	0.961	-.2779165 .264309

Underidentification test (Kleibergen-Paap rk LM statistic): 8.269
 Chi-sq(8) P-val = 0.4077

Weak identification test (Cragg-Donald Wald F statistic): 1.203
 (Kleibergen-Paap rk Wald F statistic): 1.356

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.30
 10% maximal IV relative bias 10.43
 20% maximal IV relative bias 6.22

30% maximal IV relative bias 4.69
 10% maximal IV size 27.51
 15% maximal IV size 15.24
 20% maximal IV size 11.03
 25% maximal IV size 8.85

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 4.740
 Chi-sq(7) P-val = 0.6917

Instrumented: mototkt int_mototkt
 Included instruments: phase2_st
 Excluded instruments: imm_p11 imm_p13 imm_p14 imm_p15 imm_p16 imm_p17 imm_p18
 imm_p19 imm_p110
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_interact_noune
 > mp.xls
 dir : seeout

phase 2 & phase 3 with interactions dependent variable: twproll36,
 unemployment: nounemp

Summary results for first-stage regressions

Variable	F(9, 53) P-val		(Underid) AP Chi-sq(8) P-val		(Weak id) AP F(8, 53)	
	mototkt	1515.36	0.0000	162.19	0.0000	19.89
int_mototkt	3.05	0.0052	10.15	0.2545	1.24	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.39
 20% maximal IV relative bias 6.69
 30% maximal IV relative bias 4.99
 10% maximal IV size 33.84
 15% maximal IV size 18.54
 20% maximal IV size 13.24
 25% maximal IV size 10.50


```

phase2_st | -.0164373   .1640189   -0.10   0.920   -.3379085   .3050338
-----
Underidentification test (Kleibergen-Paap rk LM statistic):          8.269
                                                    Chi-sq(8) P-val =    0.4077
-----
Weak identification test (Cragg-Donald Wald F statistic):          1.203
(Kleibergen-Paap rk Wald F statistic):          1.356
Stock-Yogo weak ID test critical values:  5% maximal IV relative bias  18.30
                                           10% maximal IV relative bias  10.43
                                           20% maximal IV relative bias   6.22
                                           30% maximal IV relative bias   4.69
                                           10% maximal IV size           27.51
                                           15% maximal IV size           15.24
                                           20% maximal IV size           11.03
                                           25% maximal IV size            8.85

```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments):    4.472
                                                    Chi-sq(7) P-val =    0.7241
-----

```

```

Instrumented:      mototkt int_mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_noune
> mp.xls
dir : seeout

```

phase 2 & phase 3 with interactions dependent variable: twproll48,
 unemployment: nounemp

Summary results for first-stage regressions

```

-----
Variable | F( 9, 53) P-val | AP Chi-sq( 8) P-val | AP F( 8, 53)
mototkt | 1515.36 0.0000 | 162.19 0.0000 | 19.89
int_mototkt | 3.05 0.0052 | 10.15 0.2545 | 1.24

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.39
20% maximal IV relative bias	6.69
30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test
 Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)
 Ha: matrix has rank=K1 (identified)
 Kleibergen-Paap rk LM statistic Chi-sq(8)=8.27 P-val=0.4077

Weak identification test
 Ho: equation is weakly identified
 Cragg-Donald Wald F statistic 1.20
 Kleibergen-Paap Wald rk F statistic 1.36

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference
 Tests of joint significance of endogenous regressors B1 in main equation
 Ho: B1=0 and orthogonality conditions are valid
 Anderson-Rubin Wald test F(9,53)= 0.76 P-val=0.6549
 Anderson-Rubin Wald test Chi-sq(9)= 6.95 P-val=0.6419
 Stock-Wright LM S statistic Chi-sq(9)= 5.39 P-val=0.7990

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust	=	54
Number of observations	N	=	191818
Number of regressors	K	=	3
Number of endogenous regressors	K1	=	2
Number of instruments	L	=	10
Number of excluded instruments	L1	=	9
Number of partialled-out regressors/IVs		=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	191818
		F(3, 53) =	3.94
		Prob > F =	0.0131

Total (centered) SS = 15052.29741 Centered R2 = -0.0007
 Total (uncentered) SS = 15052.29741 Uncentered R2 = -0.0007
 Residual SS = 15063.36559 Root MSE = .2802

```
-----
```

twproll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0024933	.0173064	-0.14	0.885	-.0364132	.0314266
int_mototkt	.0053493	.0428219	0.12	0.901	-.0785801	.0892787
phase2_st	-.0375803	.1594195	-0.24	0.814	-.3500367	.2748761

```
-----
```

Underidentification test (Kleibergen-Paap rk LM statistic): 8.269
 Chi-sq(8) P-val = 0.4077

```
-----
```

Weak identification test (Cragg-Donald Wald F statistic): 1.203
 (Kleibergen-Paap rk Wald F statistic): 1.356

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```
-----
```

Hansen J statistic (overidentification test of all instruments): 2.671
 Chi-sq(7) P-val = 0.9137

```
-----
```

Instrumented: mototkt int_mototkt
 Included instruments: phase2_st
 Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
 imm_pl9 imm_pl10

Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

```
-----
```

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_interact_noune
 > mp.xls
 dir : seeout

phase 2 & phase 3 with interactions dependent variable: srvroll12,
 unemployment: nounemp

IV (2SLS) estimation

Estimates efficient for homoskedasticity only
 Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	191818
		F(3, 53) =	1.13
		Prob > F =	0.3445
Total (centered) SS =	3437.21631	Centered R2 =	-0.0110
Total (uncentered) SS =	3437.21631	Uncentered R2 =	-0.0110
Residual SS =	3475.00046	Root MSE =	.1346

srvroll12	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0048224	.0088832	-0.54	0.587	-.022233	.0125883
int_mototkt	.010037	.0220073	0.46	0.648	-.0330965	.0531705
phase2_st	-.0390298	.0836561	-0.47	0.641	-.2029928	.1249332

Underidentification test (Kleibergen-Paap rk LM statistic): 8.269
 Chi-sq(8) P-val = 0.4077

Weak identification test (Cragg-Donald Wald F statistic): 1.203
 (Kleibergen-Paap rk Wald F statistic): 1.356
 Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 0.838
 Chi-sq(7) P-val = 0.9970

Instrumented: mototkt int_mototkt
 Included instruments: phase2_st
 Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
 imm_pl9 imm_pl10
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_interact_noune
 > mp.xls
 dir : seeout

phase 2 & phase 3 with interactions dependent variable: srvroll24,
 unemployment: nounemp

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(8)	P-val	AP F(8, 53)	
mototkt	1515.36	0.0000	162.19	0.0000	19.89	
int_mototkt	3.05	0.0052	10.15	0.2545	1.24	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.39
20% maximal IV relative bias	6.69
30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(8)=8.27 P-val=0.4077

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.20

Kleibergen-Paap Wald rk F statistic 1.36

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 2.21 P-val=0.0358

Anderson-Rubin Wald test Chi-sq(9)= 20.26 P-val=0.0164

Stock-Wright LM S statistic Chi-sq(9)= 11.32 P-val=0.2546

NB: Underidentification, weak identification and weak-identification-robust

test statistics cluster-robust

Number of clusters N_clust = 54
Number of observations N = 191818
Number of regressors K = 3
Number of endogenous regressors K1 = 2
Number of instruments L = 10
Number of excluded instruments L1 = 9
Number of partialled-out regressors/IVs = 97
NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) = 54 Number of obs = 191818
F(3, 53) = 5.07
Prob > F = 0.0037
Total (centered) SS = 4263.303174 Centered R2 = -0.0001
Total (uncentered) SS = 4263.303174 Uncentered R2 = -0.0001
Residual SS = 4263.608723 Root MSE = .1491

	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
srvroll24						
mototkt	-.0012446	.0098959	-0.13	0.900	-.0206402	.018151
int_mototkt	.0021517	.0241439	0.09	0.929	-.0451695	.0494729
phase2_st	-.0167775	.0912891	-0.18	0.854	-.1957008	.1621458

Underidentification test (Kleibergen-Paap rk LM statistic): 8.269
Chi-sq(8) P-val = 0.4077

Weak identification test (Cragg-Donald Wald F statistic): 1.203
(Kleibergen-Paap rk Wald F statistic): 1.356

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 5.194
Chi-sq(7) P-val = 0.6363

Instrumented: mototkt int_mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag

```

twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables

```

```

-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_noune
> mp.xls
dir : seeout

```

```

***phase 2 & phase 3 with interactions*** dependent variable: srvroll36,
unemployment: nounemp

```

```

Summary results for first-stage regressions
-----

```

Variable			(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(8)	P-val	AP F(8, 53)	
mototkt	1515.36	0.0000	162.19	0.0000	19.89	
int_mototkt	3.05	0.0052	10.15	0.2545	1.24	

```

NB: first-stage test statistics cluster-robust

```

```

Stock-Yogo weak ID test critical values for single endogenous regressor:

```

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.39
20% maximal IV relative bias	6.69
30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

```

Source: Stock-Yogo (2005). Reproduced by permission.

```

```

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

```

Underidentification test

```

```

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

```

```

Ha: matrix has rank=K1 (identified)

```

```

Kleibergen-Paap rk LM statistic          Chi-sq(8)=8.27      P-val=0.4077

```

```

Weak identification test

```

```

Ho: equation is weakly identified

```

```

Cragg-Donald Wald F statistic          1.20

```

```

Kleibergen-Paap Wald rk F statistic    1.36

```

```

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

```

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

```

Source: Stock-Yogo (2005). Reproduced by permission.

```


NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,53)=	1.21	P-val=0.3059
Anderson-Rubin Wald test	Chi-sq(9)=	11.15	P-val=0.2658
Stock-Wright LM S statistic	Chi-sq(9)=	7.09	P-val=0.6275

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	191818
Number of regressors	K =	3
Number of endogenous regressors	K1 =	2
Number of instruments	L =	10
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	191818
		F(3, 53) =	2.74
		Prob > F =	0.0521
Total (centered) SS =	4350.874139	Centered R2 =	-0.0345
Total (uncentered) SS =	4350.874139	Uncentered R2 =	-0.0345
Residual SS =	4500.849084	Root MSE =	.1532

srvroll36	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0078525	.0113325	-0.69	0.488	-.0300638	.0143588
int_mototkt	.0188978	.0277537	0.68	0.496	-.0354985	.073294
phase2_st	-.0865827	.1040798	-0.83	0.405	-.2905753	.1174099

Underidentification test (Kleibergen-Paap rk LM statistic): 8.269
Chi-sq(8) P-val = 0.4077

Weak identification test (Cragg-Donald Wald F statistic): 1.203
(Kleibergen-Paap rk Wald F statistic): 1.356

Stock-Yogo weak ID test critical values:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 6.678
Chi-sq(7) P-val = 0.4632

Instrumented: mototkt int_mototkt
Included instruments: phase2_st

Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_noune
> mp.xls
dir : seeout

phase 2 & phase 3 with interactions dependent variable: srvroll48,
unemployment: nounemp

Summary results for first-stage regressions

Variable	(Underid)			(Weak id)		
	F(9, 53)	P-val	AP Chi-sq(8)	P-val	AP F(8, 53)	
mototkt	1515.36	0.0000	162.19	0.0000	19.89	
int_mototkt	3.05	0.0052	10.15	0.2545	1.24	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias	20.53
10% maximal IV relative bias	11.39
20% maximal IV relative bias	6.69
30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(8)=8.27 P-val=0.4077

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.20

Kleibergen-Paap Wald rk F statistic 1.36

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test	F(9,53)=	1.39	P-val=0.2144
Anderson-Rubin Wald test	Chi-sq(9)=	12.79	P-val=0.1722
Stock-Wright LM S statistic	Chi-sq(9)=	8.75	P-val=0.4610

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters	N_clust =	54
Number of observations	N =	191818
Number of regressors	K =	3
Number of endogenous regressors	K1 =	2
Number of instruments	L =	10
Number of excluded instruments	L1 =	9
Number of partialled-out regressors/IVs	=	97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	191818
		F(3, 53) =	1.30
		Prob > F =	0.2839
Total (centered) SS =	4602.719334	Centered R2 =	-0.1073
Total (uncentered) SS =	4602.719334	Uncentered R2 =	-0.1073
Residual SS =	5096.411303	Root MSE =	.163

srvroll48	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	-.0139654	.0122056	-1.14	0.253	-.0378879	.009957
int_mototkt	.0339709	.0285463	1.19	0.234	-.0219788	.0899207
phase2_st	-.1423217	.1075281	-1.32	0.186	-.3530728	.0684294

Underidentification test (Kleibergen-Paap rk LM statistic): 8.269
Chi-sq(8) P-val = 0.4077

Weak identification test (Cragg-Donald Wald F statistic): 1.203
(Kleibergen-Paap rk Wald F statistic): 1.356

Stock-Yogo weak ID test critical values:	5% maximal IV relative bias	18.30
	10% maximal IV relative bias	10.43
	20% maximal IV relative bias	6.22
	30% maximal IV relative bias	4.69
	10% maximal IV size	27.51
	15% maximal IV size	15.24

20% maximal IV size 11.03
 25% maximal IV size 8.85

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

 Hansen J statistic (overidentification test of all instruments): 6.377
 Chi-sq(7) P-val = 0.4964

Instrumented: mototkt int_mototkt
 Included instruments: phase2_st
 Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
 imm_pl9 imm_pl10
 Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
 race_b race_h race_i race_o race_mis tsd_edu_hs
 tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
 tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
 tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
 pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
 diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
 twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
 st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
 st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
 st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
 st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
 st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
 st_WY pial pia_miss ime1 ime_miss_cons
 nb: small-sample adjustments account for
 partialled-out variables

N:\Secure_Data-
 DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
 _PH2_PH3_interact_noune
 > mp.xls
 dir : seeout

phase 2 & phase 3 with interactions dependent variable: nstwl2, unemployment:
 nounemp

Summary results for first-stage regressions

Variable			(Underid)		(Weak id)	
	F(9, 53)	P-val	AP Chi-sq(8)	P-val	AP F(8, 53)	
mototkt	1515.36	0.0000	162.19	0.0000	19.89	
int_mototkt	3.05	0.0052	10.15	0.2545	1.24	

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:

5% maximal IV relative bias 20.53
 10% maximal IV relative bias 11.39
 20% maximal IV relative bias 6.69
 30% maximal IV relative bias 4.99
 10% maximal IV size 33.84
 15% maximal IV size 18.54
 20% maximal IV size 13.24
 25% maximal IV size 10.50

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Chi-sq(8) P-val = 0.4077

```

-----
Weak identification test (Cragg-Donald Wald F statistic):      1.203
(Kleibergen-Paap rk Wald F statistic):                      1.356
Stock-Yogo weak ID test critical values:  5% maximal IV relative bias  18.30
                                           10% maximal IV relative bias  10.43
                                           20% maximal IV relative bias   6.22
                                           30% maximal IV relative bias   4.69
                                           10% maximal IV size           27.51
                                           15% maximal IV size           15.24
                                           20% maximal IV size           11.03
                                           25% maximal IV size           8.85

```

Source: Stock-Yogo (2005). Reproduced by permission.
 NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

```

-----
Hansen J statistic (overidentification test of all instruments): 6.088
Chi-sq(7) P-val = 0.5296
-----

```

```

Instrumented:      mototkt int_mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
                   imm_pl9 imm_pl10
Partialled-out:   male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
                   race_b race_h race_i race_o race_mis tsd_edu_hs
                   tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
                   tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
                   tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
                   pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
                   cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
                   diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
                   twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
                   st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
                   st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
                   st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
                   st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
                   st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
                   st_WY pial pia_miss ime1 ime_miss_cons
                   nb: small-sample adjustments account for
                       partialled-out variables
-----

```

```

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_noune
> mp.xls
dir : seeout

```

phase 2 & phase 3 with interactions dependent variable: nstw24, unemployment:
 nounemp

Summary results for first-stage regressions

```

-----
Variable | F( 9, 53) P-val | (Underid) AP Chi-sq( 8) P-val | (Weak id) AP F( 8, 53)
mototkt | 1515.36 0.0000 | 162.19 0.0000 | 19.89
int_mototkt | 3.05 0.0052 | 10.15 0.2545 | 1.24

```

NB: first-stage test statistics cluster-robust

Stock-Yogo weak ID test critical values for single endogenous regressor:
 5% maximal IV relative bias 20.53

10% maximal IV relative bias	11.39
20% maximal IV relative bias	6.69
30% maximal IV relative bias	4.99
10% maximal IV size	33.84
15% maximal IV size	18.54
20% maximal IV size	13.24
25% maximal IV size	10.50

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Underidentification test

Ho: matrix of reduced form coefficients has rank=K1-1 (underidentified)

Ha: matrix has rank=K1 (identified)

Kleibergen-Paap rk LM statistic Chi-sq(8)=8.27 P-val=0.4077

Weak identification test

Ho: equation is weakly identified

Cragg-Donald Wald F statistic 1.20

Kleibergen-Paap Wald rk F statistic 1.36

Stock-Yogo weak ID test critical values for K1=2 and L1=9:

5% maximal IV relative bias	18.30
10% maximal IV relative bias	10.43
20% maximal IV relative bias	6.22
30% maximal IV relative bias	4.69
10% maximal IV size	27.51
15% maximal IV size	15.24
20% maximal IV size	11.03
25% maximal IV size	8.85

Source: Stock-Yogo (2005). Reproduced by permission.

NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Weak-instrument-robust inference

Tests of joint significance of endogenous regressors B1 in main equation

Ho: B1=0 and orthogonality conditions are valid

Anderson-Rubin Wald test F(9,53)= 2.09 P-val=0.0471

Anderson-Rubin Wald test Chi-sq(9)= 19.16 P-val=0.0238

Stock-Wright LM S statistic Chi-sq(9)= 9.74 P-val=0.3716

NB: Underidentification, weak identification and weak-identification-robust test statistics cluster-robust

Number of clusters N_clust = 54
 Number of observations N = 191818
 Number of regressors K = 3
 Number of endogenous regressors K1 = 2
 Number of instruments L = 10
 Number of excluded instruments L1 = 9
 Number of partialled-out regressors/IVs = 97

NB: K & L do not included partialled-out variables

IV (2SLS) estimation

Estimates efficient for homoskedasticity only

Statistics robust to heteroskedasticity and clustering on tsd_state

Number of clusters (tsd_state) =	54	Number of obs =	191818
		F(3, 53) =	0.97
		Prob > F =	0.4147
Total (centered) SS =	1155479.594	Centered R2 =	-0.3484
Total (uncentered) SS =	1155479.594	Uncentered R2 =	-0.3484
Residual SS =	1558019.295	Root MSE =	2.85

nstw24	Coef.	Robust Std. Err.	z	P> z	[95% Conf. Interval]	
mototkt	.3928066	.3371506	1.17	0.244	-.2679965	1.05361
int_mototkt	-.9599397	.7344354	-1.31	0.191	-2.399407	.4795273
phase2_st	3.897357	2.723367	1.43	0.152	-1.440344	9.235058

Underidentification test (Kleibergen-Paap rk LM statistic): 8.269
Chi-sq(8) P-val = 0.4077

Weak identification test (Cragg-Donald Wald F statistic): 1.203
(Kleibergen-Paap rk Wald F statistic): 1.356

Stock-Yogo weak ID test critical values: 5% maximal IV relative bias 18.30
10% maximal IV relative bias 10.43
20% maximal IV relative bias 6.22
30% maximal IV relative bias 4.69
10% maximal IV size 27.51
15% maximal IV size 15.24
20% maximal IV size 11.03
25% maximal IV size 8.85

Source: Stock-Yogo (2005). Reproduced by permission.
NB: Critical values are for Cragg-Donald F statistic and i.i.d. errors.

Hansen J statistic (overidentification test of all instruments): 5.306
Chi-sq(7) P-val = 0.6227

Instrumented: mototkt int_mototkt
Included instruments: phase2_st
Excluded instruments: imm_pl1 imm_pl3 imm_pl4 imm_pl5 imm_pl6 imm_pl7 imm_pl8
imm_pl9 imm_pl10
Partialled-out: male gendermiss_flag tsd_age doage2 doage2miss_flag race_a
race_b race_h race_i race_o race_mis tsd_edu_hs
tsd_edu_mrhs tsd_edu_mis tsd_mie_exp tsd_mie_mis
tsd_mie_psb1 tsd_medicare tsd_medicare_miss tsd_depend_1
tsd_depend_2 tsd_depend_miss tsd_vrpr tsd_vrpr_miss
pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd
diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd st_AL st_AR st_AZ st_CA st_CO
st_CT st_DC st_DE st_FL st_GA st_HI st_IA st_ID st_IL
st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss_cons
nb: small-sample adjustments account for
partialled-out variables

N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_noune
> mp.xls
dir : seeout

phase 2 & phase 3 with interactions dependent variable: nstw36, unemployment:
nounemp

Summary results for first-stage regressions


```
st_MO st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM
st_NV st_NY st_OH st_OK st_OR st_PA st_PR st_RI st_SC
st_SD st_TN st_TX st_UT st_VA st_VT st_WA st_WI st_WV
st_WY pial pia_miss ime1 ime_miss _cons
nb: small-sample adjustments account for
    partialled-out variables
```

```
-----
N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\IVOutput\ModelC\IV
_PH2_PH3_interact_noune
> mp.xls
dir : seeout

. *
.
. capture log close
```

5. Log File for Projections of Total Impacts

```
-----  
-----  
name: <unnamed>  
log: N:\Secure_Data-  
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\3sls.txt  
log type: text  
opened on: 20 Dec 2012, 17:22:44  
  
. . .  
./ *=====*/  
>  
> project: 08977 TTW Impact Analysis  
> program: 3sls.do  
>  
> =====*/  
. .  
. ***local for input path  
. local input "N:\Secure_Data-  
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Data\OutputFolder\LPMRestrict  
edStata"  
  
. local path "N:\Secure_Data-  
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\3slsOutput"  
  
. . .  
. ***load data  
. use "`input'" ,clear  
(SAVASTATA created this dataset on 23OCT2012)  
  
. . .  
. ***local macro for covariates  
. local unemp /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///  
> doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis  
///  
> tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */  
tsd_mie_mis tsd_mie_psbl ///  
> tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2  
tsd_depend_miss ///  
> tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///  
> /*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003  
cohort2004 ///  
> award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag  
twpb4tsd epeb4tsd ldwb4tsd ///  
> st_AL-st_TN st_TX-st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss  
ime1 ime_miss  
  
. . .  
. local nounemp /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///  
> doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis  
///  
> tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */  
tsd_mie_mis tsd_mie_psbl ///  
> tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2  
tsd_depend_miss ///  
> tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///  
> /*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003  
cohort2004 ///
```

```

>          award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag ldwb4epe_flag
twpb4tsd epeb4tsd ldwb4tsd ///
>          st_AL-st_TN st_TX-st_WY pial pia_miss ime1 ime_miss

.
. local nounempny /*frstmailmiss frstmlaftsep04*/ male gendermiss_flag tsd_age ///
>          doage2 doage2miss_flag race_a race_b race_h race_i race_o race_mis
///
>          tsd_edu_hs tsd_edu_mrhs tsd_edu_mis tsd_mie_exp /* tsd_mie_ne */
tsd_mie_mis tsd_mie_psbl ///
>          tsd_medicare tsd_medicare_miss tsd_depend_1 tsd_depend_2
tsd_depend_miss ///
>          tsd_vrpr tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 ///
>          /*cohort1999*/ cohort2000 cohort2001 cohort2002 cohort2003
cohort2004 ///
>          award_b4_tsd diaward_tsd epeb4twp_flag ldwb4twp_flag
ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd ///
>          /*st_AL-st_TN st_TX-st_WY tsd_unemp_mean tsd_unemp_cng*/ pial
pia_miss ime1 ime_miss

.
. ***local for imm mail months
. local phlnyimm "imm1 imm4 imm6 imm7 imm8 "

. local phlnonyimm "imm1 imm3 imm4 "

. local phase2imm "imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19 "

. local phase3imm "imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30 "

.
. ***postfiles
. capture postclose phaselny phaselny phase2 phase3

. postutil clear

. postfile phaselNY str15 event event12 SE12 event24 SE24 event36 SE36 event48 SE48
///
>          sum12_24X12 SE12_24 ///
>          sum12_24_36X12 SE12_24_36 ///
>          sum12_24_36_48X12 SE12_24_36_48 ///
>          using "`path'\phaselny"',replace

.
. postfile phaselNONY str15 event event12 SE12 event24 SE24 event36 SE36 event48
SE48 ///
>          sum12_24X12 SE12_24 ///
>          sum12_24_36X12 SE12_24_36 ///
>          sum12_24_36_48X12 SE12_24_36_48 ///
>          using "`path'\phaselnony"',replace

.
. postfile phase2 str15 event event12 SE12 event24 SE24 event36 SE36 event48 SE48
///
>          sum12_24X12 SE12_24 ///
>          sum12_24_36X12 SE12_24_36 ///
>          sum12_24_36_48X12 SE12_24_36_48 ///
>          using "`path'\phase2"',replace

.
. postfile phase3 str15 event event12 SE12 event24 SE24 event36 SE36 event48 SE48
///
>          sum12_24X12 SE12_24 ///

```

```

>          sum12_24_36X12      SE12_24_36      ///
>          sum12_24_36_48X12 SE12_24_36_48 ///
>          using `"'path'\phase3"',replace
.
.
. local event ldwroll eperoll twproll srvroll nstw

. foreach v of local event {
2.      di _n(2) as result as result `***phase 1 only NY*** dependent variable: `v',
unemployment: `covar'''
3.
.      ***phase 1 only NY
.      reg3 (`v'12 mototkt `nounempny') ///
>      (`v'24 mototkt `nounempny') ///
>      (`v'36 mototkt `nounempny') ///
>      (`v'48 mototkt `nounempny') if phase1_st_ny, endog(mototkt)
exog(`phlnyimm')
4.
.      ***sum the 12 & 24 coeff and multiply by 12
.      lincom 12*(_b[`v'12:mototkt]+_b[`v'24:mototkt])
5.      scalar sum12_24X12 = r(estimate)
6.      scalar se12_24X12 = r(se)
7.
.      ***sum the 12 & 24 & 36 coeff and multiply by 12
.      lincom 12*(_b[`v'12:mototkt]+_b[`v'24:mototkt]+_b[`v'36:mototkt])
8.      scalar sum12_24_36X12 = r(estimate)
9.      scalar se12_24_36X12 = r(se)
10.
.      ***sum the 12 & 24 & 36 &48 coeff and multiply by 12
.      lincom
12*(_b[`v'12:mototkt]+_b[`v'24:mototkt]+_b[`v'36:mototkt]+_b[`v'48:mototkt])
11.      scalar sum12_24_36_48X12 = r(estimate)
12.      scalar se12_24_36_48X12 = r(se)
13.
.      ***post results
>      post phase1NY ("`v'") (_b[`v'12:mototkt]) (_se[`v'12:mototkt]) ///
>      (_b[`v'24:mototkt]) (_se[`v'24:mototkt]) ///
>      (_b[`v'36:mototkt]) (_se[`v'36:mototkt]) ///
>      (_b[`v'48:mototkt]) (_se[`v'48:mototkt]) ///
>      (sum12_24X12      ) (se12_24X12      ) ///
>      (sum12_24_36X12  ) (se12_24_36X12  ) ///
>      (sum12_24_36_48X12) (se12_24_36_48X12 )
14.
.
.      } /* close loop for events */

```

phase 1 only NY dependent variable: ldwroll, unemployment:

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
ldwroll12	12023	44	.1336101	0.1594	2280.13	0.0000
ldwroll24	12023	44	.1896722	0.1385	1933.02	0.0000
ldwroll36	12023	44	.2269294	0.1378	1921.49	0.0000
ldwroll48	12023	44	.255193	0.1285	1773.66	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
+					

ldwroll12						
mototkt	.0004667	.0005431	0.86	0.390	-.0005977	.0015311
male	.0051819	.0025413	2.04	0.041	.000201	.0101627
gendermiss_flag	0	(omitted)				
tsd_age	-.0009279	.0003281	-2.83	0.005	-.0015709	-.0002848
doage2	-.0001136	.0002967	-0.38	0.702	-.0006951	.0004679
doage2miss_flag	0	(omitted)				
race_a	.0063279	.0092874	0.68	0.496	-.011875	.0245309
race_b	.0083372	.0032613	2.56	0.011	.0019453	.0147292
race_h	.0140742	.0043505	3.24	0.001	.0055474	.0226009
race_i	.0404573	.0223448	1.81	0.070	-.0033378	.0842523
race_o	.0007424	.0105418	0.07	0.944	-.0199192	.0214039
race_mis	.0112953	.0074818	1.51	0.131	-.0033687	.0259593
tsd_edu_hs	.0068606	.0039187	1.75	0.080	-.0008199	.014541
tsd_edu_mrhs	.0151427	.0043336	3.49	0.000	.0066489	.0236364
tsd_edu_mis	.0055317	.0040554	1.36	0.173	-.0024168	.0134802
tsd_mie_exp	.0027989	.0075531	0.37	0.711	-.012005	.0176027
tsd_mie_mis	.0001136	.0042145	0.03	0.978	-.0081467	.0083738
tsd_mie_psbl	-.0026071	.0037861	-0.69	0.491	-.0100278	.0048136
tsd_medicare	-.0022203	.0033774	-0.66	0.511	-.0088399	.0043993
tsd_medicare_miss	-.0203874	.0146027	-1.40	0.163	-.0490081	.0082333
tsd_depend_1	-.007579	.0038135	-1.99	0.047	-.0150534	-.0001047
tsd_depend_2	-.0042631	.0032367	-1.32	0.188	-.0106069	.0020808
tsd_depend_miss	.0025344	.0102319	0.25	0.804	-.0175198	.0225885
tsd_vrpr	.0180814	.0054316	3.33	0.001	.0074356	.0287272
tsd_vrpr_miss	.0193281	.0048625	3.97	0.000	.0097978	.0288585
pdcgrou2	-.0050727	.0047163	-1.08	0.282	-.0143164	.004171
pdcgrou3	.0017769	.0047364	0.38	0.708	-.0075063	.0110601
pdcgrou4	.0057262	.0041881	1.37	0.172	-.0024824	.0139347
pdcgrou5	-.0035682	.0373862	-0.10	0.924	-.0768439	.0697075
cohort2000	.0008829	.0052208	0.17	0.866	-.0093498	.0111155
cohort2001	.0057011	.0092064	0.62	0.536	-.0123431	.0237454
cohort2002	-.0034885	.0136144	-0.26	0.798	-.0301721	.0231952
cohort2003	.0081805	.0230773	0.35	0.723	-.0370502	.0534113
cohort2004	.0108133	.0232907	0.46	0.642	-.0348357	.0564622
award_b4_tsd	-.0005977	.0093249	-0.06	0.949	-.0188742	.0176788
diaward_tsd	-.0003279	.000411	-0.80	0.425	-.0011335	.0004777
epeb4twp_flag	-.1537985	.1340068	-1.15	0.251	-.4164471	.1088501
ldwb4twp_flag	-.0647603	.0781926	-0.83	0.408	-.218015	.0884943
ldwb4epe_flag	.1238885	.0338478	3.66	0.000	.057548	.1902291
twpb4tsd	.2235344	.0057707	38.74	0.000	.212224	.2348448
epeb4tsd	.1250373	.0082417	15.17	0.000	.1088838	.1411909
ldwb4tsd	-.1748552	.0108647	-16.09	0.000	-.1961496	-.1535608
pia1	-.0000202	.0000119	-1.69	0.091	-.0000436	3.23e-06
pia_miss	-.0353371	.0128685	-2.75	0.006	-.060559	-.0101152
ime1	5.58e-06	3.71e-06	1.51	0.132	-1.69e-06	.0000129
ime_miss	.0125087	.0067992	1.84	0.066	-.0008175	.0258348
_cons	.0232433	.0160975	1.44	0.149	-.0083073	.0547939

ldwroll124						
mototkt	.0001085	.000771	0.14	0.888	-.0014026	.0016195
male	.0092267	.0036076	2.56	0.011	.0021559	.0162975
gendermiss_flag	0	(omitted)				
tsd_age	-.0017702	.0004658	-3.80	0.000	-.002683	-.0008573
doage2	.0000686	.0004212	0.16	0.871	-.0007568	.0008941
doage2miss_flag	0	(omitted)				
race_a	.0085664	.0131843	0.65	0.516	-.0172745	.0344072
race_b	.019646	.0046297	4.24	0.000	.010572	.0287199
race_h	.0263274	.0061759	4.26	0.000	.0142228	.0384319
race_i	.0247753	.0317206	0.78	0.435	-.0373959	.0869466
race_o	.0077353	.0149651	0.52	0.605	-.0215958	.0370663
race_mis	.0063285	.0106211	0.60	0.551	-.0144884	.0271455
tsd_edu_hs	.0111408	.0055629	2.00	0.045	.0002376	.0220439

tsd_edu_mrhs	.0321214	.006152	5.22	0.000	.0200638	.0441791
tsd_edu_mis	.0110332	.0057571	1.92	0.055	-.0002505	.0223168
tsd_mie_exp	.000584	.0107224	0.05	0.957	-.0204314	.0215995
tsd_mie_mis	.0002984	.0059829	0.05	0.960	-.0114278	.0120246
tsd_mie_psbl	-.0032968	.0053748	-0.61	0.540	-.0138312	.0072375
tsd_medicare	-.0059573	.0047946	-1.24	0.214	-.0153545	.0034399
tsd_medicare_miss	-.042921	.0207299	-2.07	0.038	-.0835508	-.0022912
tsd_depend_1	-.0200933	.0054136	-3.71	0.000	-.0307039	-.0094828
tsd_depend_2	-.015272	.0045948	-3.32	0.001	-.0242776	-.0062663
tsd_depend_miss	-.0021408	.0145252	-0.15	0.883	-.0306096	.026328
tsd_vrpr	.0270212	.0077107	3.50	0.000	.0119085	.0421339
tsd_vrpr_miss	.0186562	.0069028	2.70	0.007	.005127	.0321854
pdcgrou2	-.0123293	.0066952	-1.84	0.066	-.0254516	.000793
pdcgrou3	-.0024394	.0067238	-0.36	0.717	-.0156178	.0107391
pdcgrou4	.0014372	.0059454	0.24	0.809	-.0102156	.0130899
pdcgrou5	-.0198864	.0530733	-0.37	0.708	-.1239082	.0841353
cohort2000	-.0038938	.0074115	-0.53	0.599	-.01842	.0106324
cohort2001	-.0010301	.0130694	-0.08	0.937	-.0266456	.0245855
cohort2002	-.0130448	.0193269	-0.67	0.500	-.0509248	.0248352
cohort2003	-.0121793	.0327604	-0.37	0.710	-.0763886	.05203
cohort2004	-.0244192	.0330633	-0.74	0.460	-.0892221	.0403838
award_b4_tsd	.0315685	.0132376	2.38	0.017	.0056233	.0575137
diaward_tsd	-.0007489	.0005835	-1.28	0.199	-.0018925	.0003947
epeb4twp_flag	-.1841197	.1902354	-0.97	0.333	-.5569743	.1887348
ldwb4twp_flag	.1489523	.1110018	1.34	0.180	-.0686072	.3665117
ldwb4epe_flag	.3812642	.0480502	7.93	0.000	.2870875	.4754409
twpb4tsd	.2822508	.0081921	34.45	0.000	.2661946	.2983069
epeb4tsd	.1151723	.0116999	9.84	0.000	.0922409	.1381037
ldwb4tsd	-.2170471	.0154234	-14.07	0.000	-.2472765	-.1868177
pial	-9.67e-06	.000017	-0.57	0.568	-.0000429	.0000235
pia_miss	-.0413855	.0182681	-2.27	0.023	-.0771904	-.0055807
ime1	2.51e-06	5.27e-06	0.48	0.634	-7.81e-06	.0000128
ime_miss	-.0014922	.0096521	-0.15	0.877	-.02041	.0174255
_cons	.0782492	.022852	3.42	0.001	.0334601	.1230382

ldwroll36						
mototkt	-.001348	.0009224	-1.46	0.144	-.0031558	.0004599
male	.0113463	.0043163	2.63	0.009	.0028866	.019806
gendermiss_flag	0	(omitted)				
tsd_age	-.0028872	.0005572	-5.18	0.000	-.0039794	-.0017951
doage2	-.0004599	.0005039	-0.91	0.361	-.0014476	.0005277
doage2miss_flag	0	(omitted)				
race_a	.0089619	.0157741	0.57	0.570	-.0219548	.0398786
race_b	.0300017	.0055391	5.42	0.000	.0191453	.0408581
race_h	.0309086	.007389	4.18	0.000	.0164264	.0453908
race_i	.0906574	.0379515	2.39	0.017	.0162739	.1650409
race_o	.0179017	.0179047	1.00	0.317	-.0171908	.0529943
race_mis	.0200698	.0127074	1.58	0.114	-.0048362	.0449759
tsd_edu_hs	.0207857	.0066556	3.12	0.002	.0077409	.0338305
tsd_edu_mrhs	.0447998	.0073604	6.09	0.000	.0303736	.059226
tsd_edu_mis	.0196367	.0068879	2.85	0.004	.0061367	.0331368
tsd_mie_exp	-.0044655	.0128286	-0.35	0.728	-.029609	.020678
tsd_mie_mis	.0027825	.0071581	0.39	0.697	-.0112471	.016812
tsd_mie_psbl	-.0015517	.0064306	-0.24	0.809	-.0141554	.011052
tsd_medicare	-.0123006	.0057364	-2.14	0.032	-.0235437	-.0010575
tsd_medicare_miss	-.0618518	.0248018	-2.49	0.013	-.1104625	-.0132412
tsd_depend_1	-.0218132	.006477	-3.37	0.001	-.0345079	-.0091184
tsd_depend_2	-.0171292	.0054974	-3.12	0.002	-.0279039	-.0063546
tsd_depend_miss	-.0143643	.0173783	-0.83	0.408	-.0484252	.0196967
tsd_vrpr	.0326894	.0092253	3.54	0.000	.0146081	.0507707
tsd_vrpr_miss	.0173438	.0082587	2.10	0.036	.0011571	.0335306
pdcgrou2	-.020451	.0080103	-2.55	0.011	-.0361509	-.0047511
pdcgrou3	-.0040528	.0080446	-0.50	0.614	-.0198198	.0117143

pdcgrou4	-.0044358	.0071133	-0.62	0.533	-.0183776	.0095059
pdcgrou5	-.0322692	.0634985	-0.51	0.611	-.1567239	.0921855
cohort2000	-.0052824	.0088673	-0.60	0.551	-.022662	.0120971
cohort2001	-.0127622	.0156366	-0.82	0.414	-.0434094	.0178849
cohort2002	-.0124616	.0231233	-0.54	0.590	-.0577824	.0328591
cohort2003	-.0176159	.0391956	-0.45	0.653	-.0944378	.059206
cohort2004	-.0072582	.0395579	-0.18	0.854	-.0847904	.0702739
award_b4_tsd	.0371821	.0158379	2.35	0.019	.0061404	.0682237
diaward_tsd	-.0012529	.0006981	-1.79	0.073	-.0026211	.0001154
epeb4twp_flag	-.2145274	.2276032	-0.94	0.346	-.6606215	.2315667
ldwb4twp_flag	.4305345	.1328058	3.24	0.001	.1702399	.690829
ldwb4epe_flag	.4564536	.0574887	7.94	0.000	.3437778	.5691293
twpb4tsd	.3234645	.0098012	33.00	0.000	.3042545	.3426746
epeb4tsd	.0961414	.0139981	6.87	0.000	.0687055	.1235772
ldwb4tsd	-.2462037	.0184531	-13.34	0.000	-.2823711	-.2100364
pial	-1.71e-06	.0000203	-0.08	0.933	-.0000415	.000038
pia_miss	-.0538176	.0218565	-2.46	0.014	-.0966556	-.0109796
ime1	-1.96e-06	6.30e-06	-0.31	0.755	-.0000143	.0000104
ime_miss	-.0173067	.0115481	-1.50	0.134	-.0399405	.0053271
_cons	.1729267	.0273408	6.32	0.000	.1193398	.2265136

ldwroll48						
mototkt	-.0010957	.0010373	-1.06	0.291	-.0031288	.0009373
male	.015895	.0048538	3.27	0.001	.0063816	.0254083
gendermiss_flag	0	(omitted)				
tsd_age	-.0036518	.0006266	-5.83	0.000	-.00488	-.0024236
doage2	-.0003229	.0005667	-0.57	0.569	-.0014336	.0007877
doage2miss_flag	0	(omitted)				
race_a	.0151275	.0177388	0.85	0.394	-.0196398	.0498949
race_b	.0416778	.006229	6.69	0.000	.0294693	.0538863
race_h	.0300301	.0083093	3.61	0.000	.0137442	.0463161
race_i	.1029031	.0426783	2.41	0.016	.0192553	.186551
race_o	.0235157	.0201347	1.17	0.243	-.0159476	.062979
race_mis	.0206885	.0142901	1.45	0.148	-.0073195	.0486966
tsd_edu_hs	.0251973	.0074846	3.37	0.001	.0105278	.0398668
tsd_edu_mrhs	.056739	.0082772	6.85	0.000	.0405161	.072962
tsd_edu_mis	.0232956	.0077458	3.01	0.003	.0081141	.0384771
tsd_mie_exp	.0089169	.0144263	0.62	0.537	-.0193582	.037192
tsd_mie_mis	.0018843	.0080496	0.23	0.815	-.0138927	.0176612
tsd_mie_psbl	.0021734	.0072315	0.30	0.764	-.012	.0163468
tsd_medicare	-.0111424	.0064508	-1.73	0.084	-.0237858	.001501
tsd_medicare_miss	-.0613433	.0278908	-2.20	0.028	-.1160083	-.0066782
tsd_depend_1	-.0223497	.0072837	-3.07	0.002	-.0366255	-.0080738
tsd_depend_2	-.0164174	.0061821	-2.66	0.008	-.028534	-.0043007
tsd_depend_miss	-.0109225	.0195428	-0.56	0.576	-.0492257	.0273806
tsd_vrpr	.0270396	.0103743	2.61	0.009	.0067063	.0473729
tsd_vrpr_miss	.0010529	.0092873	0.11	0.910	-.0171499	.0192557
pdcgrou2	-.0356974	.009008	-3.96	0.000	-.0533528	-.0180421
pdcgrou3	-.0131289	.0090465	-1.45	0.147	-.0308598	.0046019
pdcgrou4	-.0178736	.0079992	-2.23	0.025	-.0335518	-.0021955
pdcgrou5	-.050697	.0714071	-0.71	0.478	-.1906524	.0892583
cohort2000	-.002193	.0099717	-0.22	0.826	-.0217372	.0173511
cohort2001	-.0075997	.0175841	-0.43	0.666	-.042064	.0268645
cohort2002	-.0019011	.0260032	-0.07	0.942	-.0528665	.0490642
cohort2003	-.0259595	.0440773	-0.59	0.556	-.1123494	.0604304
cohort2004	.0119816	.0444848	0.27	0.788	-.075207	.0991702
award_b4_tsd	.0456076	.0178104	2.56	0.010	.0106998	.0805154
diaward_tsd	-.0009888	.0007851	-1.26	0.208	-.0025275	.0005498
epeb4twp_flag	-.2302099	.2559508	-0.90	0.368	-.7318643	.2714445
ldwb4twp_flag	.3702229	.1493465	2.48	0.013	.0775091	.6629367
ldwb4epe_flag	.5619631	.0646488	8.69	0.000	.4352537	.6886724
twpb4tsd	.3285753	.011022	29.81	0.000	.3069727	.3501779
epeb4tsd	.0728245	.0157416	4.63	0.000	.0419716	.1036774

ldwb4tsd	-.2578915	.0207514	-12.43	0.000	-.2985634	-.2172196
pial	-4.37e-06	.0000228	-0.19	0.848	-.0000491	.0000403
pia_miss	-.0619621	.0245787	-2.52	0.012	-.1101354	-.0137887
ime1	-6.49e-06	7.08e-06	-0.92	0.360	-.0000204	7.39e-06
ime_miss	-.0368616	.0129863	-2.84	0.005	-.0623143	-.0114088
_cons	.2273993	.030746	7.40	0.000	.1671382	.2876603

Endogenous variables: ldwroll12 ldwroll24 ldwroll36 ldwroll48 mototkt
Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
epb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epb4tsd ldwb4tsd
pial pia_miss ime1 ime_miss imm1 imm4 imm6 imm7 imm8

(1) 12*[ldwroll12]mototkt + 12*[ldwroll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0069018	.014369	0.48	0.631	-.0212608	.0350645

(1) 12*[ldwroll12]mototkt + 12*[ldwroll24]mototkt + 12*[ldwroll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0092736	.0237606	-0.39	0.696	-.0558436	.0372964

(1) 12*[ldwroll12]mototkt + 12*[ldwroll24]mototkt + 12*[ldwroll36]mototkt + 12*[ldwroll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0224224	.0344146	-0.65	0.515	-.0898737	.045029

phase 1 only NY dependent variable: eperoll, unemployment:

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
eperoll12	12023	44	.1447568	0.1498	2117.22	0.0000
eperoll24	12023	44	.201892	0.1417	1984.74	0.0000
eperoll36	12023	44	.240858	0.1274	1756.00	0.0000
eperoll48	12023	44	.2732994	0.1208	1650.98	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
eperoll12						
mototkt	.000244	.0005884	0.41	0.678	-.0009093	.0013972
male	.0043516	.0027533	1.58	0.114	-.0010448	.009748
gendermiss_flag	0 (omitted)					

tsd_age	-.0008732	.0003555	-2.46	0.014	-.0015699	-.0001765
doage2	-.0001989	.0003214	-0.62	0.536	-.0008289	.0004311
doage2miss_flag	0	(omitted)				
race_a	-.0024539	.0100622	-0.24	0.807	-.0221755	.0172677
race_b	.0060626	.0035333	1.72	0.086	-.0008626	.0129878
race_h	-.0001502	.0047134	-0.03	0.975	-.0093884	.0090879
race_i	.0385192	.024209	1.59	0.112	-.0089296	.085968
race_o	.006549	.0114213	0.57	0.566	-.0158363	.0289343
race_mis	.007155	.008106	0.88	0.377	-.0087324	.0230424
tsd_edu_hs	.0048222	.0042456	1.14	0.256	-.003499	.0131434
tsd_edu_mrhs	.009663	.0046952	2.06	0.040	.0004606	.0188654
tsd_edu_mis	.010544	.0043938	2.40	0.016	.0019324	.0191556
tsd_mie_exp	-.0064376	.0081833	-0.79	0.431	-.0224765	.0096013
tsd_mie_mis	-.0038745	.0045661	-0.85	0.396	-.0128239	.0050749
tsd_mie_psbl	-.0077546	.004102	-1.89	0.059	-.0157944	.0002852
tsd_medicare	-.0109751	.0036592	-3.00	0.003	-.0181469	-.0038032
tsd_medicare_miss	-.0148881	.0158209	-0.94	0.347	-.0458965	.0161204
tsd_depend_1	-.0081371	.0041317	-1.97	0.049	-.016235	-.0000392
tsd_depend_2	-.0073373	.0035067	-2.09	0.036	-.0142103	-.0004642
tsd_depend_miss	-.0325037	.0110855	-2.93	0.003	-.054231	-.0107765
tsd_vrpr	.0173679	.0058848	2.95	0.003	.005834	.0289019
tsd_vrpr_miss	.0093098	.0052682	1.77	0.077	-.0010156	.0196352
pdcgrou2	.0017184	.0051097	0.34	0.737	-.0082965	.0117332
pdcgrou3	-.0054453	.0051316	-1.06	0.289	-.015503	.0046124
pdcgrou4	-.0027257	.0045375	-0.60	0.548	-.0116191	.0061676
pdcgrou5	-.005033	.0405053	-0.12	0.901	-.0844219	.0743558
cohort2000	-.0057176	.0056564	-1.01	0.312	-.0168039	.0053687
cohort2001	-.001779	.0099745	-0.18	0.858	-.0213287	.0177706
cohort2002	-.0127508	.0147502	-0.86	0.387	-.0416606	.016159
cohort2003	-.0323836	.0250026	-1.30	0.195	-.0813878	.0166206
cohort2004	-.0338544	.0252338	-1.34	0.180	-.0833116	.0156029
award_b4_tsd	.0180584	.0101029	1.79	0.074	-.0017429	.0378597
diaward_tsd	-.0004444	.0004453	-1.00	0.318	-.0013172	.0004284
epeb4twp_flag	.0718877	.1451867	0.50	0.621	-.212673	.3564483
ldwb4twp_flag	-.1405392	.084716	-1.66	0.097	-.3065795	.0255011
ldwb4epe_flag	.1173186	.0366717	3.20	0.001	.0454434	.1891937
twpb4tsd	.2656104	.0062521	42.48	0.000	.2533564	.2778644
epeb4tsd	-.102288	.0089293	-11.46	0.000	-.1197891	-.0847868
ldwb4tsd	-.0522507	.0117711	-4.44	0.000	-.0753216	-.0291798
pia1	2.20e-07	.0000129	0.02	0.986	-.0000251	.0000256
pia_miss	-.0017909	.0139421	-0.13	0.898	-.029117	.0255351
ime1	-2.15e-06	4.02e-06	-0.54	0.592	-.00001	5.72e-06
ime_miss	-.0063939	.0073664	-0.87	0.385	-.0208319	.008044
_cons	.0631489	.0174405	3.62	0.000	.0289662	.0973317

eperoll24						
mototkt	-.0001246	.0008206	-0.15	0.879	-.001733	.0014838
male	.0056118	.00384	1.46	0.144	-.0019145	.0131382
gendermiss_flag	0	(omitted)				
tsd_age	-.0015684	.0004958	-3.16	0.002	-.0025401	-.0005968
doage2	-.0000267	.0004483	-0.06	0.953	-.0009053	.000852
doage2miss_flag	0	(omitted)				
race_a	-.0132837	.0140338	-0.95	0.344	-.0407893	.014222
race_b	.0154898	.0049279	3.14	0.002	.0058312	.0251484
race_h	.0026365	.0065738	0.40	0.688	-.0102479	.0155209
race_i	.0448048	.0337642	1.33	0.185	-.0213719	.1109815
race_o	.0173327	.0159293	1.09	0.277	-.013888	.0485535
race_mis	.0110457	.0113054	0.98	0.329	-.0111124	.0332038
tsd_edu_hs	.0059204	.0059213	1.00	0.317	-.0056852	.017526
tsd_edu_mrhs	.0266442	.0065483	4.07	0.000	.0138096	.0394787
tsd_edu_mis	.0155493	.006128	2.54	0.011	.0035387	.0275599
tsd_mie_exp	-.0064212	.0114132	-0.56	0.574	-.0287906	.0159482
tsd_mie_mis	-.0020487	.0063683	-0.32	0.748	-.0145304	.0104329

tsd_mie_psbl	-.0102047	.0057211	-1.78	0.074	-.0214178	.0010084
tsd_medicare	-.0187336	.0051035	-3.67	0.000	-.0287362	-.008731
tsd_medicare_miss	-.0286225	.0220654	-1.30	0.195	-.0718699	.0146249
tsd_depend_1	-.0074584	.0057624	-1.29	0.196	-.0187525	.0038357
tsd_depend_2	-.0059935	.0048908	-1.23	0.220	-.0155794	.0035924
tsd_depend_miss	-.0650351	.015461	-4.21	0.000	-.095338	-.0347321
tsd_vrpr	.0317047	.0082075	3.86	0.000	.0156183	.047791
tsd_vrpr_miss	.0080578	.0073475	1.10	0.273	-.0063431	.0224586
pdcgrou2	.0035757	.0071265	0.50	0.616	-.0103921	.0175434
pdcgrou3	-.0065252	.007157	-0.91	0.362	-.0205527	.0075023
pdcgrou4	-.0038584	.0063284	-0.61	0.542	-.0162619	.0085451
pdcgrou5	-.0178053	.0564926	-0.32	0.753	-.1285287	.0929182
cohort2000	-.0111715	.0078889	-1.42	0.157	-.0266336	.0042905
cohort2001	-.0102041	.0139114	-0.73	0.463	-.03747	.0170617
cohort2002	-.0134288	.020572	-0.65	0.514	-.0537493	.0268916
cohort2003	-.0522994	.0348711	-1.50	0.134	-.1206454	.0160467
cohort2004	-.0814034	.0351935	-2.31	0.021	-.1503813	-.0124255
award_b4_tsd	.045347	.0140905	3.22	0.001	.0177302	.0729638
diaward_tsd	-.0009577	.0006211	-1.54	0.123	-.002175	.0002596
epeb4twp_flag	.0652976	.2024915	0.32	0.747	-.3315784	.4621736
ldwb4twp_flag	-.290734	.1181532	-2.46	0.014	-.5223099	-.0591581
ldwb4epe_flag	.3950065	.0511459	7.72	0.000	.2947624	.4952506
twpb4tsd	.3288086	.0087198	37.71	0.000	.3117181	.3458992
epeb4tsd	-.1462888	.0124537	-11.75	0.000	-.1706976	-.12188
ldwb4tsd	-.0741347	.0164171	-4.52	0.000	-.1063116	-.0419578
pial	.0000141	.000018	0.78	0.433	-.0000212	.0000495
pia_miss	.0314214	.0194451	1.62	0.106	-.0066902	.069533
ime1	-.0000111	5.60e-06	-1.99	0.047	-.0000221	-1.53e-07
ime_miss	-.0389195	.0102739	-3.79	0.000	-.0590561	-.0187829
_cons	.1221926	.0243242	5.02	0.000	.074518	.1698672

eperoll36						
mototkt	-.0003278	.000979	-0.33	0.738	-.0022466	.0015911
male	.0047325	.0045812	1.03	0.302	-.0042464	.0137115
gendermiss_flag	0	(omitted)				
tsd_age	-.0026652	.0005914	-4.51	0.000	-.0038244	-.001506
doage2	-.0000787	.0005348	-0.15	0.883	-.0011269	.0009696
doage2miss_flag	0	(omitted)				
race_a	-.0055038	.0167423	-0.33	0.742	-.0383182	.0273105
race_b	.0218983	.0058791	3.72	0.000	.0103756	.033421
race_h	.0057645	.0078425	0.74	0.462	-.0096066	.0211356
race_i	.0523914	.0402809	1.30	0.193	-.0265577	.1313405
race_o	.0246301	.0190037	1.30	0.195	-.0126164	.0618766
race_mis	.0104524	.0134874	0.77	0.438	-.0159824	.0368871
tsd_edu_hs	.0101595	.0070642	1.44	0.150	-.003686	.024005
tsd_edu_mrhs	.0319913	.0078122	4.10	0.000	.0166796	.0473029
tsd_edu_mis	.021916	.0073107	3.00	0.003	.0075873	.0362447
tsd_mie_exp	-.0058756	.013616	-0.43	0.666	-.0325624	.0208112
tsd_mie_mis	.0018911	.0075974	0.25	0.803	-.0129996	.0167818
tsd_mie_psbl	-.0070245	.0068253	-1.03	0.303	-.0204018	.0063527
tsd_medicare	-.0191785	.0060885	-3.15	0.002	-.0311117	-.0072453
tsd_medicare_miss	-.0484207	.0263241	-1.84	0.066	-.100015	.0031737
tsd_depend_1	-.0072658	.0068746	-1.06	0.291	-.0207398	.0062081
tsd_depend_2	-.0079623	.0058348	-1.36	0.172	-.0193983	.0034737
tsd_depend_miss	-.0665299	.018445	-3.61	0.000	-.1026814	-.0303784
tsd_vrpr	.0265817	.0097916	2.71	0.007	.0073906	.0457728
tsd_vrpr_miss	-.0140702	.0087656	-1.61	0.108	-.0312504	.0031101
pdcgrou2	-.0082496	.008502	-0.97	0.332	-.0249132	.008414
pdcgrou3	-.0181555	.0085383	-2.13	0.033	-.0348903	-.0014206
pdcgrou4	-.0143512	.0075499	-1.90	0.057	-.0291486	.0004463
pdcgrou5	-.0385042	.0673959	-0.57	0.568	-.1705977	.0935894
cohort2000	-.0145592	.0094115	-1.55	0.122	-.0330054	.0038871
cohort2001	-.0181992	.0165964	-1.10	0.273	-.0507275	.0143291

cohort2002	-.0174266	.0245425	-0.71	0.478	-.065529	.0306759
cohort2003	-.0441696	.0416013	-1.06	0.288	-.1257067	.0373675
cohort2004	-.0532923	.041986	-1.27	0.204	-.1355833	.0289987
award_b4_tsd	.0396542	.01681	2.36	0.018	.0067072	.0726011
diaward_tsd	-.0015554	.000741	-2.10	0.036	-.0030077	-.0001032
epeb4twp_flag	.0592716	.2415732	0.25	0.806	-.4142032	.5327465
ldwb4twp_flag	-.3314967	.1409572	-2.35	0.019	-.6077678	-.0552256
ldwb4epe_flag	.4333801	.0610173	7.10	0.000	.3137884	.5529718
twpb4tsd	.3455993	.0104028	33.22	0.000	.3252102	.3659885
epeb4tsd	-.1758436	.0148573	-11.84	0.000	-.2049634	-.1467238
ldwb4tsd	-.0866284	.0195857	-4.42	0.000	-.1250156	-.0482412
pial	.0000385	.0000215	1.79	0.074	-3.72e-06	.0000807
pia_miss	.0330596	.023198	1.43	0.154	-.0124077	.0785269
ime1	-.0000193	6.69e-06	-2.88	0.004	-.0000324	-6.16e-06
ime_miss	-.0605033	.0122569	-4.94	0.000	-.0845263	-.0364802
_cons	.2153203	.0290189	7.42	0.000	.1584443	.2721963

eperoll48						
mototkt	.0001717	.0011109	0.15	0.877	-.0020056	.002349
male	.0067712	.0051982	1.30	0.193	-.0034171	.0169596
gendermiss_flag	0	(omitted)				
tsd_age	-.0035884	.0006711	-5.35	0.000	-.0049037	-.002273
doage2	.0003534	.0006069	0.58	0.560	-.000836	.0015429
doage2miss_flag	0	(omitted)				
race_a	-.0046351	.0189974	-0.24	0.807	-.0418693	.032599
race_b	.0264905	.0066709	3.97	0.000	.0134158	.0395652
race_h	.0084645	.0088989	0.95	0.342	-.0089769	.025906
race_i	.0580916	.0457064	1.27	0.204	-.0314912	.1476745
race_o	.0308594	.0215633	1.43	0.152	-.0114038	.0731227
race_mis	.0019689	.015304	0.13	0.898	-.0280264	.0319642
tsd_edu_hs	.0091904	.0080156	1.15	0.252	-.0065199	.0249008
tsd_edu_mrhs	.0398464	.0088644	4.50	0.000	.0224724	.0572204
tsd_edu_mis	.0209911	.0082954	2.53	0.011	.0047324	.0372497
tsd_mie_exp	-.0049149	.0154499	-0.32	0.750	-.0351962	.0253664
tsd_mie_mis	.0065502	.0086207	0.76	0.447	-.0103461	.0234465
tsd_mie_psbl	-.0059746	.0077446	-0.77	0.440	-.0211536	.0092045
tsd_medicare	-.0194545	.0069085	-2.82	0.005	-.032995	-.005914
tsd_medicare_miss	-.0495987	.0298698	-1.66	0.097	-.1081424	.0089449
tsd_depend_1	-.0108709	.0078005	-1.39	0.163	-.0261596	.0044178
tsd_depend_2	-.0132423	.0066207	-2.00	0.045	-.0262187	-.000266
tsd_depend_miss	-.0634519	.0209294	-3.03	0.002	-.1044727	-.0224311
tsd_vrpr	.0056565	.0111104	0.51	0.611	-.0161195	.0274325
tsd_vrpr_miss	-.0543612	.0099463	-5.47	0.000	-.0738555	-.034867
pdcgrou2	-.0251906	.0096471	-2.61	0.009	-.0440986	-.0062826
pdcgrou3	-.02609	.0096884	-2.69	0.007	-.0450788	-.0071011
pdcgrou4	-.0256065	.0085668	-2.99	0.003	-.042397	-.0088159
pdcgrou5	-.0635448	.0764736	-0.83	0.406	-.2134302	.0863406
cohort2000	-.0077776	.0106792	-0.73	0.466	-.0287084	.0131532
cohort2001	-.0131302	.0188318	-0.70	0.486	-.0500398	.0237794
cohort2002	-.0021085	.0278482	-0.08	0.940	-.05669	.0524729
cohort2003	-.0438694	.0472047	-0.93	0.353	-.1363888	.0486501
cohort2004	-.0017937	.0476411	-0.04	0.970	-.0951685	.0915811
award_b4_tsd	.0354117	.0190741	1.86	0.063	-.0019729	.0727963
diaward_tsd	-.001396	.0008408	-1.66	0.097	-.0030438	.0002519
epeb4twp_flag	.051766	.274111	0.19	0.850	-.4854817	.5890137
ldwb4twp_flag	-.3948837	.1599429	-2.47	0.014	-.7083661	-.0814013
ldwb4epe_flag	.5369202	.0692358	7.75	0.000	.4012206	.6726198
twpb4tsd	.344278	.011804	29.17	0.000	.3211426	.3674133
epeb4tsd	-.2026318	.0168585	-12.02	0.000	-.2356738	-.1695898
ldwb4tsd	-.0970656	.0222237	-4.37	0.000	-.1406232	-.0535079
pial	.0000388	.0000244	1.59	0.113	-9.12e-06	.0000866
pia_miss	.0330763	.0263226	1.26	0.209	-.0185151	.0846676
ime1	-.000024	7.59e-06	-3.17	0.002	-.0000389	-9.18e-06

```

ime_miss | -.0827191 .0139078 -5.95 0.000 -.1099778 -.0554604
_cons | .2978255 .0329275 9.04 0.000 .2332888 .3623623

```

```

-----
Endogenous variables: eperoll12 eperoll24 eperoll36 eperoll48 mototkt
Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
epb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd
pia pia_miss ime1 ime_miss imm1 imm4 imm6 imm7 imm8
-----

```

(1) 12*[eperoll12]mototkt + 12*[eperoll24]mototkt = 0

```

-----
|          Coef.   Std. Err.      z    P>|z|      [95% Conf. Interval]
-----+-----
(1) |   .0014325   .0154279     0.09   0.926   -.0288056   .0316706
-----

```

(1) 12*[eperoll12]mototkt + 12*[eperoll24]mototkt + 12*[eperoll36]mototkt = 0

```

-----
|          Coef.   Std. Err.      z    P>|z|      [95% Conf. Interval]
-----+-----
(1) |  -.002501   .0254514    -0.10   0.922   -.0523847   .0473828
-----

```

(1) 12*[eperoll12]mototkt + 12*[eperoll24]mototkt + 12*[eperoll36]mototkt + 12*[eperoll48]mototkt = 0

```

-----
|          Coef.   Std. Err.      z    P>|z|      [95% Conf. Interval]
-----+-----
(1) |  -.0004406   .036759    -0.01   0.990   -.0724869   .0716056
-----

```

phase 1 only NY dependent variable: twproll, unemployment:

Three-stage least-squares regression

```

-----
Equation      Obs   Parns      RMSE    "R-sq"     chi2       P
-----
twproll12    12023    44   .1993254   0.0273    338.05   0.0000
twproll24    12023    44   .2511525   0.0451    567.77   0.0000
twproll36    12023    44   .2892163   0.0571    727.69   0.0000
twproll48    12023    44   .3099675   0.0702    906.08   0.0000
-----

```

```

-----
|          Coef.   Std. Err.      z    P>|z|      [95% Conf. Interval]
-----+-----
twproll12
  mototkt | -.0000315   .0008102    -0.04   0.969   -.0016194   .0015565
  male    | .009728    .0037912     2.57   0.010   .0022973   .0171587
gendermiss_flag |          0 (omitted)
  tsd_age | -.001845   .0004895    -3.77   0.000   -.0028044   -.0008857
  doage2  | .0005428   .0004426     1.23   0.220   -.0003247   .0014103
doage2miss_flag |          0 (omitted)
  race_a  | -.0079262   .0138553    -0.57   0.567   -.0350821   .0192298
-----

```


race_b	.0129706	.0048653	2.67	0.008	.0034348	.0225064
race_h	.0038127	.0064902	0.59	0.557	-.0089079	.0165333
race_i	.0669601	.033335	2.01	0.045	.0016247	.1322955
race_o	-.0015192	.0157267	-0.10	0.923	-.0323431	.0293047
race_mis	-.0089538	.0111617	-0.80	0.422	-.0308302	.0129227
tsd_edu_hs	.0027003	.005846	0.46	0.644	-.0087578	.0141583
tsd_edu_mrhs	.014934	.0064651	2.31	0.021	.0022627	.0276054
tsd_edu_mis	.0120852	.0060501	2.00	0.046	.0002273	.0239431
tsd_mie_exp	.0005913	.0112681	0.05	0.958	-.0214937	.0226764
tsd_mie_mis	.0028664	.0062874	0.46	0.648	-.0094566	.0151894
tsd_mie_psbl	-.0008167	.0056483	-0.14	0.885	-.0118872	.0102538
tsd_medicare	-.0201259	.0050386	-3.99	0.000	-.0300014	-.0102504
tsd_medicare_miss	-.0279457	.0217849	-1.28	0.200	-.0706433	.0147519
tsd_depend_1	-.0069766	.0056892	-1.23	0.220	-.0181271	.004174
tsd_depend_2	-.0131457	.0048287	-2.72	0.006	-.0226097	-.0036817
tsd_depend_miss	-.0606511	.0152644	-3.97	0.000	-.0905688	-.0307334
tsd_vrpr	-.0032153	.0081031	-0.40	0.692	-.0190972	.0126665
tsd_vrpr_miss	-.0253443	.0072541	-3.49	0.000	-.0395621	-.0111266
pdcgrou2	-.0182271	.0070359	-2.59	0.010	-.0320173	-.0044369
pdcgrou3	-.0190384	.007066	-2.69	0.007	-.0328876	-.0051893
pdcgrou4	-.0173366	.006248	-2.77	0.006	-.0295825	-.0050908
pdcgrou5	-.0444091	.0557744	-0.80	0.426	-.1537249	.0649068
cohort2000	-.0063188	.0077887	-0.81	0.417	-.0215843	.0089467
cohort2001	-.0113298	.0137346	-0.82	0.409	-.038249	.0155894
cohort2002	-.0038467	.0203105	-0.19	0.850	-.0436546	.0359611
cohort2003	-.0523392	.0344278	-1.52	0.128	-.1198163	.015138
cohort2004	-.0613003	.0347461	-1.76	0.078	-.1294013	.0068007
award_b4_tsd	.0216549	.0139113	1.56	0.120	-.0056108	.0489206
diaward_tsd	-.0004564	.0006132	-0.74	0.457	-.0016583	.0007454
epeb4twp_flag	-.0534925	.1999173	-0.27	0.789	-.4453231	.3383382
ldwb4twp_flag	-.1121829	.1166511	-0.96	0.336	-.3408149	.116449
ldwb4epe_flag	.1484982	.0504957	2.94	0.003	.0495285	.247468
twpb4tsd	-.0512993	.008609	-5.96	0.000	-.0681726	-.034426
epeb4tsd	-.0353552	.0122954	-2.88	0.004	-.0594537	-.0112566
ldwb4tsd	-.0130086	.0162084	-0.80	0.422	-.0447765	.0187593
pial	.0000159	.0000178	0.89	0.372	-.000019	.0000508
pia_miss	.0463399	.0191979	2.41	0.016	.0087128	.0839671
ime1	-9.60e-06	5.53e-06	-1.74	0.083	-.0000204	1.24e-06
ime_miss	-.0364965	.0101433	-3.60	0.000	-.0563771	-.0166616
_cons	.1542452	.024015	6.42	0.000	.1071766	.2013137

twproll24						
mototkt	.000042	.0010209	0.04	0.967	-.0019589	.0020429
male	.0051976	.004777	1.09	0.277	-.0041652	.0145603
gendermiss_flag	0	(omitted)				
tsd_age	-.0026893	.0006167	-4.36	0.000	-.0038981	-.0014805
doage2	.0007557	.0005577	1.36	0.175	-.0003374	.0018487
doage2miss_flag	0	(omitted)				
race_a	-.000625	.0174579	-0.04	0.971	-.0348418	.0335919
race_b	.0189467	.0061303	3.09	0.002	.0069315	.030962
race_h	.0058955	.0081777	0.72	0.471	-.0101326	.0219236
race_i	.1216589	.0420025	2.90	0.004	.0393355	.2039823
race_o	.0056063	.0198159	0.28	0.777	-.0332322	.0444447
race_mis	-.0085948	.0140638	-0.61	0.541	-.0361594	.0189698
tsd_edu_hs	.0041792	.0073661	0.57	0.570	-.0102581	.0186164
tsd_edu_mrhs	.017384	.0081461	2.13	0.033	.0014179	.0333501
tsd_edu_mis	.0096667	.0076232	1.27	0.205	-.0052744	.0246078
tsd_mie_exp	.0247844	.0141979	1.75	0.081	-.0030431	.0526118
tsd_mie_mis	.0073496	.0079222	0.93	0.354	-.0081775	.0228768
tsd_mie_psbl	.0081858	.007117	1.15	0.250	-.0057632	.0221348
tsd_medicare	-.0300086	.0063487	-4.73	0.000	-.0424518	-.0175654
tsd_medicare_miss	-.0518889	.0274492	-1.89	0.059	-.1056884	.0019107
tsd_depend_1	-.0111451	.0071684	-1.55	0.120	-.025195	.0029047

tsd_depend_2	-.0152511	.0060842	-2.51	0.012	-.0271759	-.0033264
tsd_depend_miss	-.0747571	.0192334	-3.89	0.000	-.1124538	-.0370604
tsd_vrpr	-.0122348	.0102101	-1.20	0.231	-.0322462	.0077765
tsd_vrpr_miss	-.0646396	.0091403	-7.07	0.000	-.0825542	-.046725
pdcgrou2	-.0361675	.0088654	-4.08	0.000	-.0535433	-.0187917
pdcgrou3	-.0241381	.0089033	-2.71	0.007	-.0415882	-.0066881
pdcgrou4	-.0255235	.0078725	-3.24	0.001	-.0409534	-.0100936
pdcgrou5	-.0711583	.0702765	-1.01	0.311	-.2088976	.0665811
cohort2000	-.0187117	.0098138	-1.91	0.057	-.0379464	.000523
cohort2001	-.0315422	.0173057	-1.82	0.068	-.0654608	.0023764
cohort2002	-.0166818	.0255915	-0.65	0.514	-.0668402	.0334766
cohort2003	-.0499178	.0433794	-1.15	0.250	-.1349398	.0351043
cohort2004	-.0781304	.0437805	-1.78	0.074	-.1639386	.0076777
award_b4_tsd	.0105626	.0175284	0.60	0.547	-.0237926	.0449177
diaward_tsd	-.0014248	.0007726	-1.84	0.065	-.0029391	.0000895
epeb4twp_flag	-.074204	.2518983	-0.29	0.768	-.5679156	.4195076
ldwb4twp_flag	-.1753158	.1469819	-1.19	0.233	-.463395	.1127634
ldwb4epe_flag	.2501517	.0636252	3.93	0.000	.1254486	.3748548
twpb4tsd	-.0856421	.0108474	-7.90	0.000	-.1069027	-.0643816
epeb4tsd	-.0573804	.0154923	-3.70	0.000	-.0877448	-.0270159
ldwb4tsd	-.0193709	.0204228	-0.95	0.343	-.0593989	.020657
pial	.0000321	.0000224	1.43	0.152	-.0000119	.0000761
pia_miss	.0649472	.0241895	2.68	0.007	.0175366	.1123579
ime1	-.0000163	6.97e-06	-2.34	0.019	-.00003	-2.65e-06
ime_miss	-.0601167	.0127807	-4.70	0.000	-.0851665	-.035067
_cons	.2776489	.0302592	9.18	0.000	.218342	.3369559

twproll36						
mototkt	.0005457	.0011756	0.46	0.642	-.0017584	.0028499
male	.0123466	.005501	2.24	0.025	.0015649	.0231283
gendermiss_flag	0	(omitted)				
tsd_age	-.0037018	.0007102	-5.21	0.000	-.0050938	-.0023099
doage2	.0010061	.0006422	1.57	0.117	-.0002526	.0022648
doage2miss_flag	0	(omitted)				
race_a	.016437	.0201038	0.82	0.414	-.0229657	.0558396
race_b	.0185692	.0070594	2.63	0.009	.004733	.0324054
race_h	.0059083	.0094171	0.63	0.530	-.012549	.0243655
race_i	.0935664	.0483683	1.93	0.053	-.0012337	.1883665
race_o	.004122	.0228191	0.18	0.857	-.0406027	.0488467
race_mis	-.0161777	.0161953	-1.00	0.318	-.0479199	.0155645
tsd_edu_hs	.0137531	.0084825	1.62	0.105	-.0028722	.0303785
tsd_edu_mrhs	.0323059	.0093807	3.44	0.001	.01392	.0506917
tsd_edu_mis	.015692	.0087785	1.79	0.074	-.0015135	.0328975
tsd_mie_exp	.0197574	.0163497	1.21	0.227	-.0122875	.0518022
tsd_mie_mis	.0051484	.0091228	0.56	0.573	-.012732	.0230288
tsd_mie_psbl	.0110259	.0081956	1.35	0.179	-.0050372	.0270889
tsd_medicare	-.0299211	.0073109	-4.09	0.000	-.0442501	-.015592
tsd_medicare_miss	-.0576878	.0316094	-1.83	0.068	-.119641	.0042654
tsd_depend_1	-.0098244	.0082548	-1.19	0.234	-.0260035	.0063548
tsd_depend_2	-.0172929	.0070063	-2.47	0.014	-.0310249	-.0035608
tsd_depend_miss	-.0565731	.0221483	-2.55	0.011	-.0999829	-.0131632
tsd_vrpr	-.0397662	.0117575	-3.38	0.001	-.0628104	-.016722
tsd_vrpr_miss	-.1082891	.0105255	-10.29	0.000	-.1289188	-.0876595
pdcgrou2	-.052745	.010209	-5.17	0.000	-.0727542	-.0327358
pdcgrou3	-.0352727	.0102526	-3.44	0.001	-.0553675	-.015178
pdcgrou4	-.0396151	.0090657	-4.37	0.000	-.0573835	-.0218467
pdcgrou5	-.0254599	.0809273	-0.31	0.753	-.1840746	.1331548
cohort2000	-.0137972	.0113011	-1.22	0.222	-.035947	.0083527
cohort2001	-.0268387	.0199285	-1.35	0.178	-.0658979	.0122204
cohort2002	-.0003201	.0294701	-0.01	0.991	-.0580803	.0574402
cohort2003	-.0412557	.0499539	-0.83	0.409	-.1391634	.0566521
cohort2004	-.0371516	.0504157	-0.74	0.461	-.1359646	.0616613
award_b4_tsd	.0104879	.020185	0.52	0.603	-.029074	.0500497

diaward_tsd	-.0011382	.0008897	-1.28	0.201	-.002882	.0006056
epeb4twp_flag	-.0957535	.2900751	-0.33	0.741	-.6642903	.4727833
ldwb4twp_flag	-.2092807	.169258	-1.24	0.216	-.5410202	.1224587
ldwb4epe_flag	.2918294	.073268	3.98	0.000	.1482267	.4354321
twpb4tsd	-.1177197	.0124914	-9.42	0.000	-.1422024	-.0932369
epeb4tsd	-.0811604	.0178403	-4.55	0.000	-.1161267	-.046194
ldwb4tsd	-.0263945	.023518	-1.12	0.262	-.0724889	.0197
pial	.0000361	.0000258	1.40	0.162	-.0000145	.0000868
pia_miss	.0491838	.0278556	1.77	0.077	-.0054123	.1037798
ime1	-.0000227	8.03e-06	-2.83	0.005	-.0000385	-6.99e-06
ime_miss	-.0829222	.0147177	-5.63	0.000	-.1117684	-.054076
_cons	.370048	.0348452	10.62	0.000	.3017527	.4383433

twproll48						
mototkt	.0013019	.0012599	1.03	0.301	-.0011676	.0037713
male	.0114852	.0058957	1.95	0.051	-.0000701	.0230405
gendermiss_flag	0	(omitted)				
tsd_age	-.0042061	.0007611	-5.53	0.000	-.005698	-.0027143
doage2	.0010252	.0006883	1.49	0.136	-.0003239	.0023742
doage2miss_flag	0	(omitted)				
race_a	.0227442	.0215462	1.06	0.291	-.0194856	.064974
race_b	.0217351	.0075659	2.87	0.004	.0069061	.036564
race_h	.0021371	.0100928	0.21	0.832	-.0176444	.0219187
race_i	.0985482	.0518387	1.90	0.057	-.0030538	.2001502
race_o	.0007804	.0244564	0.03	0.975	-.0471532	.0487141
race_mis	-.025113	.0173573	-1.45	0.148	-.0591327	.0089067
tsd_edu_hs	.0158703	.0090911	1.75	0.081	-.0019479	.0336885
tsd_edu_mrhs	.0326973	.0100538	3.25	0.001	.0129923	.0524023
tsd_edu_mis	.0125675	.0094083	1.34	0.182	-.0058726	.0310075
tsd_mie_exp	.0187972	.0175228	1.07	0.283	-.0155468	.0531413
tsd_mie_mis	.0082747	.0097774	0.85	0.397	-.0108885	.027438
tsd_mie_psbl	.0165301	.0087836	1.88	0.060	-.0006855	.0337457
tsd_medicare	-.0339843	.0078354	-4.34	0.000	-.0493415	-.0186272
tsd_medicare_miss	-.0700006	.0338773	-2.07	0.039	-.1363989	-.0036023
tsd_depend_1	-.0031242	.0088471	-0.35	0.724	-.0204642	.0142158
tsd_depend_2	-.0069768	.007509	-0.93	0.353	-.0216941	.0077406
tsd_depend_miss	-.0736881	.0237374	-3.10	0.002	-.1202127	-.0271636
tsd_vrpr	-.0582997	.0126011	-4.63	0.000	-.0829974	-.0336021
tsd_vrpr_miss	-.143531	.0112807	-12.72	0.000	-.1656408	-.1214212
pdcgrou2	-.0609973	.0109415	-5.57	0.000	-.0824422	-.0395524
pdcgrou3	-.0322215	.0109882	-2.93	0.003	-.0537581	-.0106849
pdcgrou4	-.0423918	.0097161	-4.36	0.000	-.0614351	-.0233485
pdcgrou5	-.040366	.0867339	-0.47	0.642	-.2103612	.1296293
cohort2000	-.0148285	.012112	-1.22	0.221	-.0385676	.0089106
cohort2001	-.0193253	.0213584	-0.90	0.366	-.0611869	.0225364
cohort2002	.0071029	.0315845	0.22	0.822	-.0548017	.0690074
cohort2003	-.0161929	.053538	-0.30	0.762	-.1211255	.0887398
cohort2004	-.0204744	.054033	-0.38	0.705	-.1263771	.0854284
award_b4_tsd	.0057434	.0216333	0.27	0.791	-.036657	.0481438
diaward_tsd	-.0010427	.0009536	-1.09	0.274	-.0029116	.0008262
epeb4twp_flag	-.1081055	.310888	-0.35	0.728	-.7174347	.5012237
ldwb4twp_flag	-.2984474	.1814022	-1.65	0.100	-.6539892	.0570943
ldwb4epe_flag	.4686854	.078525	5.97	0.000	.3147792	.6225916
twpb4tsd	-.1386527	.0133877	-10.36	0.000	-.1648921	-.1124133
epeb4tsd	-.0946779	.0191203	-4.95	0.000	-.1321531	-.0572027
ldwb4tsd	-.0301975	.0252054	-1.20	0.231	-.0795992	.0192042
pial	.0000365	.0000277	1.32	0.188	-.0000178	.0000908
pia_miss	.07071	.0298543	2.37	0.018	.0121968	.1292233
ime1	-.0000284	8.60e-06	-3.30	0.001	-.0000453	-.0000116
ime_miss	-.0994747	.0157737	-6.31	0.000	-.1303907	-.0685588
_cons	.4347341	.0373453	11.64	0.000	.3615386	.5079296

Endogenous variables: twproll12 twproll24 twproll36 twproll48 mototkt

Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
 race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
 tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare
 tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
 epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd
 pial pia_miss ime1 ime_miss imm1 imm4 imm6 imm7 imm8

(1) 12*[twproll12]mototkt + 12*[twproll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0001263	.0206105	0.01	0.995	-.0402694	.0405221

(1) 12*[twproll12]mototkt + 12*[twproll24]mototkt + 12*[twproll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0066752	.0329119	0.20	0.839	-.057831	.0711814

(1) 12*[twproll12]mototkt + 12*[twproll24]mototkt + 12*[twproll36]mototkt + 12*[twproll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0222977	.0462704	0.48	0.630	-.0683906	.1129859

phase 1 only NY dependent variable: srvroll, unemployment:

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
srvroll12	12023	44	.1531577	0.3167	5573.72	0.0000
srvroll24	12023	44	.1800964	0.4261	8927.60	0.0000
srvroll36	12023	44	.1757497	0.5498	14685.97	0.0000
srvroll48	12023	44	.1660943	0.6459	21934.77	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
srvroll12						
mototkt	-.0021491	.0006225	-3.45	0.001	-.0033692	-.0009289
male	-.0010113	.0029131	-0.35	0.728	-.0067209	.0046983
gendermiss_flag	0	(omitted)				
tsd_age	-.0000572	.0003761	-0.15	0.879	-.0007943	.0006799
doage2	-.0000109	.0003401	-0.03	0.974	-.0006775	.0006557
doage2miss_flag	0	(omitted)				
race_a	.0056021	.0106462	0.53	0.599	-.015264	.0264682
race_b	.0004674	.0037384	0.13	0.900	-.0068597	.0077945
race_h	.00092	.0049869	0.18	0.854	-.0088543	.0106942
race_i	-.0030723	.025614	-0.12	0.905	-.0532747	.0471302
race_o	.0261004	.0120841	2.16	0.031	.0024159	.0497848

race_mis	.0005956	.0085764	0.07	0.945	-.0162138	.017405
tsd_edu_hs	-.0018033	.004492	-0.40	0.688	-.0106074	.0070008
tsd_edu_mrhs	-.0020056	.0049677	-0.40	0.686	-.011742	.0077308
tsd_edu_mis	.0006952	.0046487	0.15	0.881	-.0084161	.0098066
tsd_mie_exp	.0030948	.0086582	0.36	0.721	-.0138749	.0200645
tsd_mie_mis	-.0099229	.0048311	-2.05	0.040	-.0193916	-.0004541
tsd_mie_psbl	-.0061576	.0043401	-1.42	0.156	-.014664	.0023488
tsd_medicare	-.0034279	.0038716	-0.89	0.376	-.011016	.0041602
tsd_medicare_miss	-.0180985	.0167391	-1.08	0.280	-.0509065	.0147095
tsd_depend_1	.0016393	.0043714	0.38	0.708	-.0069286	.0102071
tsd_depend_2	-.0011406	.0037103	-0.31	0.759	-.0084126	.0061313
tsd_depend_miss	-.0060752	.0117289	-0.52	0.604	-.0290634	.016913
tsd_vrpr	-.3790376	.0062263	-60.88	0.000	-.3912409	-.3668343
tsd_vrpr_miss	-.4051942	.0055739	-72.69	0.000	-.4161188	-.3942695
pdcgrou2	-.0090073	.0054063	-1.67	0.096	-.0196034	.0015888
pdcgrou3	-.001728	.0054294	-0.32	0.750	-.0123694	.0089134
pdcgrou4	-.0042353	.0048008	-0.88	0.378	-.0136447	.0051742
pdcgrou5	-.0142704	.042856	-0.33	0.739	-.0982665	.0697257
cohort2000	-.0098752	.0059846	-1.65	0.099	-.0216048	.0018545
cohort2001	-.019048	.0105534	-1.80	0.071	-.0397322	.0016362
cohort2002	-.0107614	.0156062	-0.69	0.490	-.041349	.0198261
cohort2003	-.0465887	.0264536	-1.76	0.078	-.0984369	.0052594
cohort2004	-.0679946	.0266982	-2.55	0.011	-.1203221	-.0156672
award_b4_tsd	-.0116082	.0106892	-1.09	0.277	-.0325586	.0093423
diaward_tsd	-.0006927	.0004712	-1.47	0.142	-.0016161	.0002308
epeb4twp_flag	-.0144022	.1536125	-0.09	0.925	-.3154771	.2866727
ldwb4twp_flag	.1891953	.0896324	2.11	0.035	.0135191	.3648716
ldwb4epe_flag	-.0079991	.0387999	-0.21	0.837	-.0840455	.0680473
twpb4tsd	.0026128	.006615	0.39	0.693	-.0103523	.015578
epeb4tsd	.0054981	.0094475	0.58	0.561	-.0130187	.0240149
ldwb4tsd	-.0111759	.0124542	-0.90	0.370	-.0355858	.0132339
pial	-3.36e-06	.0000137	-0.25	0.806	-.0000302	.0000235
pia_mis	.0058827	.0147513	0.40	0.690	-.0230292	.0347947
ime1	2.02e-07	4.25e-06	0.05	0.962	-8.13e-06	8.53e-06
ime_miss	-.0019141	.0077939	-0.25	0.806	-.0171899	.0133618
_cons	.4625789	.0184527	25.07	0.000	.4264123	.4987454

srvroll24						
mototkt	-.0009074	.000732	-1.24	0.215	-.0023422	.0005273
male	-.0029337	.0034255	-0.86	0.392	-.0096475	.0037802
gendermiss_flag	0	(omitted)				
tsd_age	-.0006601	.0004422	-1.49	0.136	-.0015269	.0002067
doage2	-.000179	.0003999	-0.45	0.654	-.0009628	.0006048
doage2miss_flag	0	(omitted)				
race_a	-.0030255	.0125187	-0.24	0.809	-.0275618	.0215107
race_b	-.0099231	.0043959	-2.26	0.024	-.018539	-.0013073
race_h	-.0041091	.0058641	-0.70	0.483	-.0156025	.0073843
race_i	-.0020016	.0301192	-0.07	0.947	-.0610341	.0570308
race_o	.0166995	.0142096	1.18	0.240	-.0111508	.0445498
race_mis	-.0051675	.0100849	-0.51	0.608	-.0249335	.0145985
tsd_edu_hs	.0003561	.0052821	0.07	0.946	-.0099966	.0107087
tsd_edu_mrhs	.0020479	.0058414	0.35	0.726	-.0094011	.0134968
tsd_edu_mis	-.0026909	.0054664	-0.49	0.623	-.0134049	.008023
tsd_mie_exp	-.0146661	.010181	-1.44	0.150	-.0346206	.0052884
tsd_mie_mis	-.0162022	.0056808	-2.85	0.004	-.0273364	-.005068
tsd_mie_psbl	-.0134636	.0051034	-2.64	0.008	-.0234662	-.0034611
tsd_medicare	-.0109194	.0045525	-2.40	0.016	-.0198422	-.0019967
tsd_medicare_miss	-.0124821	.0196833	-0.63	0.526	-.0510607	.0260964
tsd_depend_1	-.002675	.0051403	-0.52	0.603	-.0127499	.0073998
tsd_depend_2	-.0036567	.0043628	-0.84	0.402	-.0122077	.0048943
tsd_depend_miss	.0023886	.0137918	0.17	0.863	-.0246429	.0294201
tsd_vrpr	-.5446436	.0073214	-74.39	0.000	-.5589933	-.5302939
tsd_vrpr_miss	-.6013802	.0065543	-91.75	0.000	-.6142264	-.588534

pdcgrou2	-.010875	.0063572	-1.71	0.087	-.0233348	.0015848
pdcgrou3	-.011333	.0063844	-1.78	0.076	-.0238462	.0011801
pdcgrou4	-.0061154	.0056452	-1.08	0.279	-.0171798	.0049491
pdcgrou5	.0439509	.0503938	0.87	0.383	-.0548192	.142721
cohort2000	.0063677	.0070373	0.90	0.366	-.0074251	.0201605
cohort2001	.0083064	.0124096	0.67	0.503	-.0160159	.0326287
cohort2002	.0292388	.0183511	1.59	0.111	-.0067288	.0652063
cohort2003	.0003899	.0311065	0.01	0.990	-.0605777	.0613575
cohort2004	-.0804127	.0313941	-2.56	0.010	-.141944	-.0188814
award_b4_tsd	-.0162107	.0125693	-1.29	0.197	-.0408461	.0084247
diaward_tsd	.0004296	.000554	0.78	0.438	-.0006562	.0015155
epeb4twp_flag	-.0304659	.1806311	-0.17	0.866	-.3844964	.3235647
ldwb4twp_flag	.1273864	.1053977	1.21	0.227	-.0791894	.3339621
ldwb4epe_flag	-.0370967	.0456244	-0.81	0.416	-.1265188	.0523254
twpb4tsd	-.0042441	.0077785	-0.55	0.585	-.0194897	.0110014
epeb4tsd	.0181013	.0111092	1.63	0.103	-.0036724	.039875
ldwb4tsd	-.0257743	.0146448	-1.76	0.078	-.0544775	.002929
pial	.0000113	.0000161	0.70	0.484	-.0000203	.0000428
pia_miss	-.0047829	.0173458	-0.28	0.783	-.0387801	.0292143
ime1	-3.45e-06	5.00e-06	-0.69	0.490	-.0000133	6.35e-06
ime_miss	-.0018445	.0091648	-0.20	0.840	-.0198072	.0161182
_cons	.6592918	.0216983	30.38	0.000	.616764	.7018196

srvroll36						
mototkt	-.0005824	.0007144	-0.82	0.415	-.0019825	.0008178
male	-.0012317	.0033428	-0.37	0.713	-.0077835	.0053201
gendermiss_flag	0	(omitted)				
tsd_age	-.000884	.0004316	-2.05	0.041	-.0017299	-.0000382
doage2	.0001325	.0003903	0.34	0.734	-.0006324	.0008974
doage2miss_flag	0	(omitted)				
race_a	-.011804	.0122166	-0.97	0.334	-.0357481	.01214
race_b	-.0060667	.0042898	-1.41	0.157	-.0144747	.0023412
race_h	-.0050551	.0057226	-0.88	0.377	-.0162712	.0061609
race_i	.0142962	.0293922	0.49	0.627	-.0433115	.0719039
race_o	.0017226	.0138666	0.12	0.901	-.0254555	.0289007
race_mis	-.0069036	.0098415	-0.70	0.483	-.0261925	.0123854
tsd_edu_hs	.0040511	.0051546	0.79	0.432	-.0060517	.014154
tsd_edu_mrhs	.0067003	.0057004	1.18	0.240	-.0044723	.017873
tsd_edu_mis	-.0029438	.0053345	-0.55	0.581	-.0133992	.0075116
tsd_mie_exp	-.0235845	.0099353	-2.37	0.018	-.0430574	-.0041116
tsd_mie_mis	-.0163544	.0055437	-2.95	0.003	-.0272199	-.005489
tsd_mie_psbl	-.01593	.0049803	-3.20	0.001	-.0256912	-.0061689
tsd_medicare	-.0110655	.0044426	-2.49	0.013	-.019773	-.0023581
tsd_medicare_miss	-.0053039	.0192082	-0.28	0.782	-.0429514	.0323435
tsd_depend_1	-.005819	.0050163	-1.16	0.246	-.0156506	.0040127
tsd_depend_2	-.0055193	.0042575	-1.30	0.195	-.0138639	.0028254
tsd_depend_miss	.002984	.013459	0.22	0.825	-.0233952	.0293631
tsd_vrpr	-.6905447	.0071447	-96.65	0.000	-.7045481	-.6765413
tsd_vrpr_miss	-.7549217	.0063961	-118.03	0.000	-.7674578	-.7423856
pdcgrou2	-.0105949	.0062037	-1.71	0.088	-.022754	.0015642
pdcgrou3	-.0110929	.0062303	-1.78	0.075	-.023304	.0011182
pdcgrou4	-.0021523	.005509	-0.39	0.696	-.0129497	.0086451
pdcgrou5	.041302	.0491776	0.84	0.401	-.0550843	.1376882
cohort2000	.0108087	.0068674	1.57	0.116	-.0026512	.0242686
cohort2001	.0172183	.0121101	1.42	0.155	-.006517	.0409536
cohort2002	.027619	.0179082	1.54	0.123	-.0074805	.0627185
cohort2003	-.0222396	.0303557	-0.73	0.464	-.0817358	.0372565
cohort2004	-.0968405	.0306364	-3.16	0.002	-.1568868	-.0367943
award_b4_tsd	.0002041	.0122659	0.02	0.987	-.0238366	.0242449
diaward_tsd	.000672	.0005407	1.24	0.214	-.0003876	.0017317
epeb4twp_flag	-.0326422	.1762716	-0.19	0.853	-.3781281	.3128438
ldwb4twp_flag	.0699288	.1028539	0.68	0.497	-.1316612	.2715188
ldwb4epe_flag	-.0591437	.0445232	-1.33	0.184	-.1464076	.0281202

twpb4tsd	-.0006505	.0075907	-0.09	0.932	-.015528	.0142271
epeb4tsd	.0147325	.0108411	1.36	0.174	-.0065157	.0359807
ldwb4tsd	-.02339	.0142913	-1.64	0.102	-.0514005	.0046204
pia1	8.30e-06	.0000157	0.53	0.597	-.0000225	.0000391
pia_miss	-.0046838	.0169272	-0.28	0.782	-.0378604	.0284929
ime1	-2.93e-06	4.88e-06	-0.60	0.548	-.0000125	6.63e-06
ime_miss	.0023009	.0089436	0.26	0.797	-.0152282	.0198301
_cons	.7995306	.0211746	37.76	0.000	.7580292	.841032

srvroll48						
mototkt	-.0009204	.0006751	-1.36	0.173	-.0022436	.0004029
male	-.0045015	.0031592	-1.42	0.154	-.0106933	.0016904
gendermiss_flag	0	(omitted)				
tsd_age	-.0007641	.0004079	-1.87	0.061	-.0015635	.0000353
doage2	-.0000897	.0003688	-0.24	0.808	-.0008126	.0006332
doage2miss_flag	0	(omitted)				
race_a	-.0075633	.0115454	-0.66	0.512	-.0301919	.0150652
race_b	-.0012965	.0040542	-0.32	0.749	-.0092425	.0066495
race_h	-.0059378	.0054082	-1.10	0.272	-.0165377	.004662
race_i	.0051296	.0277775	0.18	0.853	-.0493132	.0595724
race_o	.0101846	.0131048	0.78	0.437	-.0155004	.0358696
race_mis	-.0032927	.0093008	-0.35	0.723	-.021522	.0149365
tsd_edu_hs	.0018372	.0048714	0.38	0.706	-.0077106	.011385
tsd_edu_mrhs	.0054996	.0053873	1.02	0.307	-.0050592	.0160585
tsd_edu_mis	-.0007445	.0050414	-0.15	0.883	-.0106255	.0091365
tsd_mie_exp	-.0135983	.0093895	-1.45	0.148	-.0320014	.0048047
tsd_mie_mis	-.0141314	.0052391	-2.70	0.007	-.0244	-.0038629
tsd_mie_psbl	-.0161373	.0047067	-3.43	0.001	-.0253622	-.0069124
tsd_medicare	-.0111579	.0041986	-2.66	0.008	-.019387	-.0029289
tsd_medicare_miss	.0020882	.018153	0.12	0.908	-.0334909	.0376674
tsd_depend_1	-.0066109	.0047407	-1.39	0.163	-.0159024	.0026806
tsd_depend_2	-.0065354	.0040236	-1.62	0.104	-.0144216	.0013508
tsd_depend_miss	-.0109163	.0127196	-0.86	0.391	-.0358462	.0140136
tsd_vrpr	-.8036402	.0067522	-119.02	0.000	-.8168743	-.7904062
tsd_vrpr_miss	-.8734977	.0060447	-144.51	0.000	-.8853451	-.8616503
pdcgroup2	-.0120843	.0058629	-2.06	0.039	-.0235754	-.0005932
pdcgroup3	-.0128061	.005888	-2.17	0.030	-.0243463	-.0012659
pdcgroup4	-.0037665	.0052063	-0.72	0.469	-.0139708	.0064377
pdcgroup5	.0400074	.0464758	0.86	0.389	-.0510835	.1310984
cohort2000	.0132336	.0064901	2.04	0.041	.0005132	.0259541
cohort2001	.0238236	.0114448	2.08	0.037	.0013923	.0462549
cohort2002	.0255855	.0169244	1.51	0.131	-.0075857	.0587566
cohort2003	-.0145396	.028688	-0.51	0.612	-.0707671	.0416879
cohort2004	-.1110521	.0289533	-3.84	0.000	-.1677995	-.0543047
award_b4_tsd	.0042265	.0115921	0.36	0.715	-.0184935	.0269465
diaward_tsd	.0009041	.000511	1.77	0.077	-.0000973	.0019056
epeb4twp_flag	-.032906	.1665875	-0.20	0.843	-.3594114	.2935995
ldwb4twp_flag	.0114583	.0972033	0.12	0.906	-.1790566	.2019732
ldwb4epe_flag	-.0112191	.0420772	-0.27	0.790	-.0936888	.0712507
twpb4tsd	-.0054814	.0071737	-0.76	0.445	-.0195416	.0085789
epeb4tsd	.0124619	.0102455	1.22	0.224	-.007619	.0325427
ldwb4tsd	-.028768	.0135062	-2.13	0.033	-.0552396	-.0022964
pia1	-7.06e-07	.0000148	-0.05	0.962	-.0000298	.0000284
pia_miss	-.0032576	.0159972	-0.20	0.839	-.0346116	.0280964
ime1	-3.76e-07	4.61e-06	-0.08	0.935	-9.41e-06	8.66e-06
ime_miss	.0000351	.0084523	0.00	0.997	-.016531	.0166013
_cons	.9246058	.0200113	46.20	0.000	.8853844	.9638271

Endogenous variables: srvroll12 srvroll24 srvroll36 srvroll48 mototkt
Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
 race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
 tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
 tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr

tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
 epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd
 pial pia_miss ime1 ime_miss imm1 imm4 imm6 imm7 imm8

(1) 12*[srvroll12]mototkt + 12*[srvroll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.036678	.0146821	-2.50	0.012	-.0654543	-.0079016

(1) 12*[srvroll12]mototkt + 12*[srvroll24]mototkt + 12*[srvroll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0436663	.0217178	-2.01	0.044	-.0862325	-.0011001

(1) 12*[srvroll12]mototkt + 12*[srvroll24]mototkt + 12*[srvroll36]mototkt + 12*[srvroll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0547105	.0281644	-1.94	0.052	-.1099117	.0004907

phase 1 only NY dependent variable: nstw, unemployment:

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
nstw12	12023	44	1.052523	0.4932	11699.68	0.0000
nstw24	12023	44	2.481397	0.3967	7904.48	0.0000
nstw36	12023	44	4.22333	0.3261	5817.48	0.0000
nstw48	12023	44	6.185303	0.2813	4706.64	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
nstw12						
mototkt	.0075366	.0042782	1.76	0.078	-.0008486	.0159218
male	.0401268	.0200193	2.00	0.045	.0008897	.0793638
gendermiss_flag	0	(omitted)				
tsd_age	-.0034081	.0025845	-1.32	0.187	-.0084737	.0016575
doage2	.0005601	.0023371	0.24	0.811	-.0040206	.0051408
doage2miss_flag	0	(omitted)				
race_a	.0198426	.0731621	0.27	0.786	-.1235525	.1632377
race_b	.0381987	.0256908	1.49	0.137	-.0121544	.0885517
race_h	.0948117	.0342711	2.77	0.006	.0276417	.1619818
race_i	-.2922259	.176023	-1.66	0.097	-.6372247	.0527729
race_o	.0197871	.0830439	0.24	0.812	-.142976	.1825502
race_mis	.0392609	.0589383	0.67	0.505	-.076256	.1547779
tsd_edu_hs	.0828793	.0308696	2.68	0.007	.022376	.1433826
tsd_edu_mrhs	.0809541	.0341385	2.37	0.018	.0140439	.1478643
tsd_edu_mis	.0270963	.0319469	0.85	0.396	-.0355185	.089711

tsd_mie_exp	.0003813	.0595003	0.01	0.995	-.1162371	.1169997
tsd_mie_mis	-.0082539	.0331999	-0.25	0.804	-.0733246	.0568168
tsd_mie_psbl	-.0296501	.0298256	-0.99	0.320	-.0881072	.028807
tsd_medicare	-.0477949	.0266059	-1.80	0.072	-.0999415	.0043518
tsd_medicare_miss	-.055709	.1150335	-0.48	0.628	-.2811706	.1697525
tsd_depend_1	-.0079371	.0300412	-0.26	0.792	-.0668167	.0509424
tsd_depend_2	-.0223121	.0254974	-0.88	0.382	-.0722861	.027662
tsd_depend_miss	.0814298	.0806026	1.01	0.312	-.0765484	.239408
tsd_vrpr	.0876138	.042788	2.05	0.041	.0037508	.1714768
tsd_vrpr_miss	.1235519	.0383047	3.23	0.001	.0484761	.1986278
pdcgrou2	-.0363822	.0371527	-0.98	0.327	-.1092002	.0364357
pdcgrou3	.0535107	.0373116	1.43	0.152	-.0196187	.12664
pdcgrou4	.0665804	.032992	2.02	0.044	.0019172	.1312436
pdcgrou5	-.0009317	.2945128	-0.00	0.997	-.5781661	.5763027
cohort2000	.0163855	.0411274	0.40	0.690	-.0642228	.0969937
cohort2001	.0039423	.0725243	0.05	0.957	-.1382028	.1460873
cohort2002	-.0493249	.1072481	-0.46	0.646	-.2595274	.1608776
cohort2003	.1548329	.1817933	0.85	0.394	-.2014754	.5111412
cohort2004	.3959414	.183474	2.16	0.031	.036339	.7555439
award_b4_tsd	.0382419	.0734577	0.52	0.603	-.1057326	.1822164
diaward_tsd	-.0026147	.0032379	-0.81	0.419	-.0089608	.0037315
epeb4twp_flag	-1.374351	1.055648	-1.30	0.193	-3.443384	.6946821
ldwb4twp_flag	.1404281	.6159676	0.23	0.820	-1.066846	1.347703
ldwb4epe_flag	.9211404	.2666388	3.45	0.001	.3985379	1.443743
twpb4tsd	1.225363	.0454592	26.96	0.000	1.136265	1.314462
epeb4tsd	1.216659	.0649249	18.74	0.000	1.089409	1.34391
ldwb4tsd	6.472706	.0855873	75.63	0.000	6.304958	6.640454
pial	-.0004113	.0000941	-4.37	0.000	-.0005956	-.0002269
pia_miss	-.5129435	.1013729	-5.06	0.000	-.7116306	-.3142563
ime1	.0001279	.0000292	4.38	0.000	.0000707	.0001852
ime_miss	.2984432	.0535611	5.57	0.000	.1934653	.4034211
_cons	.0379532	.1268095	0.30	0.765	-.2105888	.2864952

nstw24						
mototkt	.0075142	.0100863	0.74	0.456	-.0122545	.0272829
male	.125045	.0471969	2.65	0.008	.0325409	.2175492
gendermiss_flag	0	(omitted)				
tsd_age	-.0145617	.0060932	-2.39	0.017	-.0265043	-.0026192
doage2	-.0002255	.00551	-0.04	0.967	-.0110249	.0105738
doage2miss_flag	0	(omitted)				
race_a	.10406	.1724849	0.60	0.546	-.2340041	.4421241
race_b	.134684	.0605679	2.22	0.026	.0159732	.2533949
race_h	.2622512	.0807964	3.25	0.001	.1038932	.4206093
race_i	-.0051318	.4149867	-0.01	0.990	-.8184908	.8082272
race_o	.1696182	.1957819	0.87	0.386	-.2141074	.5533437
race_mis	.1546794	.1389512	1.11	0.266	-.11766	.4270187
tsd_edu_hs	.1865468	.0727772	2.56	0.010	.0439061	.3291876
tsd_edu_mrhs	.3070432	.0804839	3.81	0.000	.1492977	.4647887
tsd_edu_mis	.1409001	.0753171	1.87	0.061	-.0067187	.2885188
tsd_mie_exp	-.0102672	.1402761	-0.07	0.942	-.2852033	.2646689
tsd_mie_mis	-.0265688	.0782712	-0.34	0.734	-.1799776	.1268399
tsd_mie_psbl	-.1159116	.070316	-1.65	0.099	-.2537283	.0219052
tsd_medicare	-.1110985	.0627254	-1.77	0.077	-.234038	.0118409
tsd_medicare_miss	-.3491383	.2711996	-1.29	0.198	-.8806798	.1824033
tsd_depend_1	-.132213	.0708241	-1.87	0.062	-.2710258	.0065997
tsd_depend_2	-.1387844	.060112	-2.31	0.021	-.2566018	-.0209671
tsd_depend_miss	.0783893	.1900263	0.41	0.680	-.2940554	.450834
tsd_vrpr	.3206374	.1008758	3.18	0.001	.1229245	.5183504
tsd_vrpr_miss	.319398	.0903061	3.54	0.000	.1424013	.4963946
pdcgrou2	-.1689549	.0875901	-1.93	0.054	-.3406284	.0027186
pdcgrou3	.0346419	.0879647	0.39	0.694	-.1377657	.2070495
pdcgrou4	.1000927	.0777811	1.29	0.198	-.0523553	.2525408
pdcgrou5	-.1412857	.6943346	-0.20	0.839	-1.502156	1.219585

cohort2000	-.0116749	.0969608	-0.12	0.904	-.2017145	.1783647
cohort2001	-.0602215	.1709812	-0.35	0.725	-.3953384	.2748954
cohort2002	-.2563358	.252845	-1.01	0.311	-.751903	.2392313
cohort2003	.0399777	.4285904	0.09	0.926	-.8000442	.8799995
cohort2004	.5970528	.4325529	1.38	0.167	-.2507354	1.444841
award_b4_tsd	.2459914	.1731818	1.42	0.155	-.0934386	.5854214
diaward_tsd	-.0107752	.0076335	-1.41	0.158	-.0257367	.0041862
epeb4twp_flag	-2.521979	2.488765	-1.01	0.311	-7.399869	2.355912
ldwb4twp_flag	-1.611385	1.452187	-1.11	0.267	-4.45762	1.234849
ldwb4epe_flag	3.21136	.6286198	5.11	0.000	1.979288	4.443432
twpb4tsd	3.621646	.1071732	33.79	0.000	3.411591	3.831702
epeb4tsd	1.904402	.153065	12.44	0.000	1.604401	2.204404
ldwb4tsd	11.52838	.201778	57.13	0.000	11.1329	11.92385
pial	-.000712	.0002218	-3.21	0.001	-.0011467	-.0002774
pia_miss	-1.002109	.2389937	-4.19	0.000	-1.470528	-.5336899
ime1	.0002306	.0000689	3.35	0.001	.0000956	.0003656
ime_miss	.4265423	.1262741	3.38	0.001	.1790496	.6740351
_cons	.6464932	.2989622	2.16	0.031	.0605381	1.232448

nstw36						
mototkt	.0076737	.0171668	0.45	0.655	-.0259726	.0413199
male	.2017108	.0803289	2.51	0.012	.0442691	.3591526
gendermiss_flag	0	(omitted)				
tsd_age	-.0367502	.0103707	-3.54	0.000	-.0570763	-.016424
doage2	-.0006191	.0093779	-0.07	0.947	-.0189995	.0177613
doage2miss_flag	0	(omitted)				
race_a	.2001572	.2935687	0.68	0.495	-.3752268	.7755413
race_b	.329018	.1030863	3.19	0.001	.1269725	.5310635
race_h	.4908609	.1375153	3.57	0.000	.2213359	.7603859
race_i	.5713033	.7063061	0.81	0.419	-.8130312	1.955638
race_o	.3078339	.3332202	0.92	0.356	-.3452658	.9609336
race_mis	.432415	.2364945	1.83	0.067	-.0311057	.8959357
tsd_edu_hs	.3655884	.1238666	2.95	0.003	.1228143	.6083625
tsd_edu_mrhs	.7089335	.1369833	5.18	0.000	.4404511	.9774159
tsd_edu_mis	.3296372	.1281894	2.57	0.010	.0783905	.5808838
tsd_mie_exp	-.0905855	.2387495	-0.38	0.704	-.5585259	.3773548
tsd_mie_mis	-.0637315	.1332174	-0.48	0.632	-.3248327	.1973697
tsd_mie_psbl	-.2311221	.1196776	-1.93	0.053	-.4656858	.0034416
tsd_medicare	-.1875568	.1067584	-1.76	0.079	-.3967993	.0216857
tsd_medicare_miss	-.8054764	.461581	-1.75	0.081	-1.710158	.0992057
tsd_depend_1	-.2869059	.1205424	-2.38	0.017	-.5231648	-.050647
tsd_depend_2	-.2860678	.1023104	-2.80	0.005	-.4865925	-.0855431
tsd_depend_miss	.0264892	.3234242	0.08	0.935	-.6074106	.660389
tsd_vrpr	.6144594	.1716903	3.58	0.000	.2779526	.9509661
tsd_vrpr_miss	.4895839	.1537006	3.19	0.001	.1883362	.7908316
pdcgrou2	-.3354695	.1490781	-2.25	0.024	-.6276573	-.0432818
pdcgrou3	.0450778	.1497156	0.30	0.763	-.2483594	.338515
pdcgrou4	.1275345	.1323831	0.96	0.335	-.1319317	.3870006
pdcgrou5	-.3894569	1.181755	-0.33	0.742	-2.705655	1.926741
cohort2000	-.1313518	.1650269	-0.80	0.426	-.4547986	.192095
cohort2001	-.3239147	.2910094	-1.11	0.266	-.8942827	.2464532
cohort2002	-.6252404	.4303415	-1.45	0.146	-1.468694	.2182134
cohort2003	-.342652	.7294596	-0.47	0.639	-1.772367	1.087063
cohort2004	.2477749	.7362038	0.34	0.736	-1.195158	1.690708
award_b4_tsd	.5042935	.2947548	1.71	0.087	-.0734153	1.082002
diaward_tsd	-.0284908	.0129922	-2.19	0.028	-.0539551	-.0030264
epeb4twp_flag	-3.901586	4.235871	-0.92	0.357	-12.20374	4.400569
ldwb4twp_flag	1.138975	2.471618	0.46	0.645	-3.705307	5.983257
ldwb4epe_flag	7.018416	1.069909	6.56	0.000	4.921433	9.115399
twpb4tsd	5.987959	.1824084	32.83	0.000	5.630445	6.345473
epeb4tsd	2.41941	.2605161	9.29	0.000	1.908808	2.930012
ldwb4tsd	15.85829	.3434256	46.18	0.000	15.18519	16.53139
pial	-.0007846	.0003775	-2.08	0.038	-.0015244	-.0000448

	pia_miss	-1.31675	.4067665	-3.24	0.001	-2.113998	-.5195026
	ime1	.0002647	.0001172	2.26	0.024	.0000349	.0004944
	ime_miss	.29798	.2149182	1.39	0.166	-.1232519	.719212
	_cons	1.948699	.5088327	3.83	0.000	.951405	2.945993

nstw48							
	mototkt	.001108	.0251417	0.04	0.965	-.0481688	.0503848
	male	.2839413	.1176462	2.41	0.016	.0533591	.5145236
	gendermiss_flag	0	(omitted)				
	tsd_age	-.0666995	.0151884	-4.39	0.000	-.0964684	-.0369307
	doage2	-.0019497	.0137345	-0.14	0.887	-.0288689	.0249694
	doage2miss_flag	0	(omitted)				
	race_a	.3795033	.4299478	0.88	0.377	-.4631789	1.222185
	race_b	.5925788	.1509757	3.92	0.000	.2966718	.8884857
	race_h	.6996591	.2013988	3.47	0.001	.3049246	1.094393
	race_i	1.391493	1.034425	1.35	0.179	-.6359428	3.418928
	race_o	.6163966	.4880197	1.26	0.207	-.3401044	1.572898
	race_mis	.768148	.3463594	2.22	0.027	.089296	1.447
	tsd_edu_hs	.5477884	.1814096	3.02	0.003	.1922321	.9033447
	tsd_edu_mrhs	1.103388	.2006197	5.50	0.000	.7101807	1.496596
	tsd_edu_mis	.5277248	.1877406	2.81	0.005	.15976	.8956896
	tsd_mie_exp	-.2006183	.349662	-0.57	0.566	-.8859431	.4847066
	tsd_mie_mis	-.0893631	.1951043	-0.46	0.647	-.4717604	.2930342
	tsd_mie_psbl	-.3199425	.1752745	-1.83	0.068	-.6634742	.0235892
	tsd_medicare	-.2292048	.1563536	-1.47	0.143	-.5356522	.0772426
	tsd_medicare_miss	-1.272012	.6760112	-1.88	0.060	-2.59697	.052945
	tsd_depend_1	-.4437975	.1765412	-2.51	0.012	-.7898119	-.0977832
	tsd_depend_2	-.4437837	.1498393	-2.96	0.003	-.7374634	-.150104
	tsd_depend_miss	.0123718	.4736729	0.03	0.979	-.9160099	.9407536
	tsd_vrpr	.9827198	.25145	3.91	0.000	.4898868	1.475553
	tsd_vrpr_miss	.6259186	.2251032	2.78	0.005	.1847244	1.067113
	pcdgroup2	-.5796162	.2183333	-2.65	0.008	-1.007542	-.1516908
	pcdgroup3	.046147	.2192669	0.21	0.833	-.3836083	.4759022
	pcdgroup4	.0893237	.1938825	0.46	0.645	-.290679	.4693264
	pcdgroup5	-.7483313	1.730747	-0.43	0.665	-4.140533	2.64387
	cohort2000	-.2055428	.2416912	-0.85	0.395	-.6792488	.2681631
	cohort2001	-.5723798	.4261996	-1.34	0.179	-1.407716	.262956
	cohort2002	-.8260206	.6302592	-1.31	0.190	-2.061306	.4092647
	cohort2003	-.5363261	1.068334	-0.50	0.616	-2.630223	1.557571
	cohort2004	.2028352	1.078212	0.19	0.851	-1.910421	2.316091
	award_b4_tsd	.7088195	.4316849	1.64	0.101	-.1372674	1.554906
	diaward_tsd	-.0430692	.0190279	-2.26	0.024	-.0803632	-.0057753
	epeb4twp_flag	-5.327238	6.20367	-0.86	0.390	-17.48621	6.831732
	ldwb4twp_flag	.1518187	3.619823	0.04	0.967	-6.942903	7.246541
	ldwb4epe_flag	10.81113	1.566941	6.90	0.000	7.739979	13.88228
	twpb4tsd	8.36271	.2671473	31.30	0.000	7.839111	8.886309
	epeb4tsd	2.746323	.3815404	7.20	0.000	1.998518	3.494129
	ldwb4tsd	20.04255	.502966	39.85	0.000	19.05676	21.02835
	pial	-.0007215	.0005528	-1.31	0.192	-.001805	.0003619
	pia_miss	-1.663343	.5957323	-2.79	0.005	-2.830956	-.4957288
	ime1	.0002257	.0001717	1.31	0.189	-.0001108	.0005623
	ime_miss	-.0446042	.3147597	-0.14	0.887	-.6615219	.5723136
	_cons	3.680994	.745214	4.94	0.000	2.220401	5.141587

Endogenous variables: nstw12 nstw24 nstw36 nstw48 mototkt

Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag

race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs

tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare

tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr

tsd_vrpr_miss pcdgroup2 pcdgroup3 pcdgroup4 pcdgroup5 cohort2000

cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd

epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd

pial pia_miss ime1 imm1 imm4 imm6 imm7 imm8

(1) 12*[nstw12]mototkt + 12*[nstw24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.180609	.1663833	1.09	0.278	-.1454962	.5067142

(1) 12*[nstw12]mototkt + 12*[nstw24]mototkt + 12*[nstw36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.2726929	.3620995	0.75	0.451	-.4370092	.9823949

(1) 12*[nstw12]mototkt + 12*[nstw24]mototkt + 12*[nstw36]mototkt + 12*[nstw48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.285989	.6493647	0.44	0.660	-.9867425	1.558721

```

.      *
.
.  foreach covar in unemp nounemp {
.    2.  foreach v of local event {
.    3.    di _n(2) as result `***phase 1 NO NY*** dependent variable: `v',
unemployment: `covar'"
.    4.    ***phase 1 NO NY
.    reg3 (`v'12 mototkt ``covar') ///
>    (`v'24 mototkt ``covar') ///
>    (`v'36 mototkt ``covar') ///
>    (`v'48 mototkt ``covar') if phasel_st_nony, endog(mototkt)
exog(`phlnonyimm')
.    5.
.    ***sum the 12 & 24 coeff and multiply by 12
.    lincom 12*(_b[`v'12:mototkt]+_b[`v'24:mototkt])
.    6.    scalar sum12_24X12 = r(estimate)
.    7.    scalar se12_24X12 = r(se)
.    8.
.    ***sum the 12 & 24 & 36 coeff and multiply by 12
.    lincom 12*(_b[`v'12:mototkt]+_b[`v'24:mototkt]+_b[`v'36:mototkt])
.    9.    scalar sum12_24_36X12 = r(estimate)
.    10.   scalar se12_24_36X12 = r(se)
.    11.
.    ***sum the 12 & 24 & 36 &48 coeff and multiply by 12
.    lincom
12*(_b[`v'12:mototkt]+_b[`v'24:mototkt]+_b[`v'36:mototkt]+_b[`v'48:mototkt])
.    12.   scalar sum12_24_36_48X12 = r(estimate)
.    13.   scalar se12_24_36_48X12 = r(se)
.    14.
.    ***post results
.    post phaselNONY ("`v'``covar'") (_b[`v'12:mototkt]) (_se[`v'12:mototkt]) ///
>    (_b[`v'24:mototkt]) (_se[`v'24:mototkt]) ///
>    (_b[`v'36:mototkt]) (_se[`v'36:mototkt]) ///
>    (_b[`v'48:mototkt]) (_se[`v'48:mototkt]) ///
>    (sum12_24X12      ) (se12_24X12      ) ///
>    (sum12_24_36X12  ) (se12_24_36X12  ) ///

```

```

> (sum12_24_36_48X12) (se12_24_36_48X12 )
15.
.
.
.   } /* close loop for events */
16.   *
.
.   foreach v of local event {
17.       di _n(2) as result `***phase 2*** dependent variable: `v', unemployment:
`covar'''
18.       ***phase 2
.       reg3 (`v'12 mototkt ``covar'') ///
>         (`v'24 mototkt ``covar'') ///
>         (`v'36 mototkt ``covar'') ///
>         (`v'48 mototkt ``covar'') if phase2_st, endog(mototkt) exog(
`phase2imm')
19.
.       ***sum the 12 & 24 coeff and multiply by 12
.       lincom 12*(_b[`v'12:mototkt]+_b[`v'24:mototkt])
20.         scalar sum12_24X12 = r(estimate)
21.         scalar se12_24X12  = r(se)
22.
.       ***sum the 12 & 24 & 36 coeff and multiply by 12
.       lincom 12*(_b[`v'12:mototkt]+_b[`v'24:mototkt]+_b[`v'36:mototkt])
23.         scalar sum12_24_36X12 = r(estimate)
24.         scalar se12_24_36X12  = r(se)
25.
.       ***sum the 12 & 24 & 36 &48 coeff and multiply by 12
.       lincom
12*(_b[`v'12:mototkt]+_b[`v'24:mototkt]+_b[`v'36:mototkt]+_b[`v'48:mototkt])
26.         scalar sum12_24_36_48X12 = r(estimate)
27.         scalar se12_24_36_48X12  = r(se)
28.
.       ***post results
.       post phase2 ("`v'_`covar'") (_b[`v'12:mototkt]) (_se[`v'12:mototkt]) ///
>         (_b[`v'24:mototkt]) (_se[`v'24:mototkt]) ///
>         (_b[`v'36:mototkt]) (_se[`v'36:mototkt]) ///
>         (_b[`v'48:mototkt]) (_se[`v'48:mototkt]) ///
>         (sum12_24X12      ) (se12_24X12      ) ///
>         (sum12_24_36X12  ) (se12_24_36X12  ) ///
>         (sum12_24_36_48X12) (se12_24_36_48X12 )
29.     } /* close loop for events */
30.
.   foreach v of local event {
31.       di _n(2) as result `***phase 3*** dependent variable: `v', unemployment:
`covar'''
32.       ***phase 3
.       reg3 (`v'12 mototkt ``covar'') ///
>         (`v'24 mototkt ``covar'') ///
>         (`v'36 mototkt ``covar'') ///
>         (`v'48 mototkt ``covar'') if phase3_st, endog(mototkt) exog(`phase3imm')
33.
.       ***sum the 12 & 24 coeff and multiply by 12
.       lincom 12*(_b[`v'12:mototkt]+_b[`v'24:mototkt])
34.         scalar sum12_24X12 = r(estimate)
35.         scalar se12_24X12  = r(se)
36.
.       ***sum the 12 & 24 & 36 coeff and multiply by 12
.       lincom 12*(_b[`v'12:mototkt]+_b[`v'24:mototkt]+_b[`v'36:mototkt])
37.         scalar sum12_24_36X12 = r(estimate)
38.         scalar se12_24_36X12  = r(se)
39.
.       ***sum the 12 & 24 & 36 &48 coeff and multiply by 12

```

```

.      lincom
12*(_b[`v'12:tototkt]+_b[`v'24:tototkt]+_b[`v'36:tototkt]+_b[`v'48:tototkt])
40.      scalar sum12_24_36_48X12 = r(estimate)
41.      scalar se12_24_36_48X12 = r(se)
42.
.      ***post results
.      post phase3 ("`v'`covar'") (_b[`v'12:tototkt]) (_se[`v'12:tototkt]) ///
>      (_b[`v'24:tototkt]) (_se[`v'24:tototkt]) ///
>      (_b[`v'36:tototkt]) (_se[`v'36:tototkt]) ///
>      (_b[`v'48:tototkt]) (_se[`v'48:tototkt]) ///
>      (sum12_24X12      ) (se12_24X12      ) ///
>      (sum12_24_36X12  ) (se12_24_36X12  ) ///
>      (sum12_24_36_48X12) (se12_24_36_48X12 )
43.
.      } /* close loop for events */
44. } /* close loop for unemployment */

```

phase 1 NO NY dependent variable: ldwroll, unemployment: unemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
ldwroll12	43043	97	.1437284	0.1206	5900.07	0.0000
ldwroll24	43043	97	.1956256	0.1156	5627.64	0.0000
ldwroll36	43043	97	.231808	0.1124	5450.53	0.0000
ldwroll48	43043	97	.25585	0.1133	5505.01	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
ldwroll12					
mototkt	.0002609	.0007794	0.33	0.738	-.0012668 .0017885
male	.0017058	.0014467	1.18	0.238	-.0011297 .0045414
gendermiss_flag	-.0102847	.1016756	-0.10	0.919	-.2095652 .1889959
tsd_age	-.0008009	.0001785	-4.49	0.000	-.0011506 -.0004511
doage2	-.0000884	.0001622	-0.54	0.586	-.0004064 .0002296
doage2miss_flag	.0014657	.083037	0.02	0.986	-.1612838 .1642151
race_a	.0024979	.0062122	0.40	0.688	-.0096778 .0146736
race_b	.0092733	.0020007	4.64	0.000	.0053521 .0131946
race_h	-.0001207	.0027785	-0.04	0.965	-.0055665 .0053251
race_i	-.00418	.0073836	-0.57	0.571	-.0186517 .0102917
race_o	.0032625	.0084529	0.39	0.700	-.0133048 .0198298
race_mis	-.0020542	.0058806	-0.35	0.727	-.01358 .0094716
tsd_edu_hs	.002285	.0020216	1.13	0.258	-.0016772 .0062472
tsd_edu_mrhs	.0085517	.0023744	3.60	0.000	.0038979 .0132055
tsd_edu_mis	.0058283	.0023416	2.49	0.013	.0012388 .0104178
tsd_mie_exp	.0064573	.0044011	1.47	0.142	-.0021686 .0150833
tsd_mie_mis	.0016565	.0024083	0.69	0.492	-.0030638 .0063767
tsd_mie_psbl	-.001085	.0019518	-0.56	0.578	-.0049105 .0027404
tsd_medicare	-.0086799	.0019098	-4.55	0.000	-.0124229 -.0049369
tsd_medicare_miss	-.0079805	.0069969	-1.14	0.254	-.0216941 .0057331
tsd_depend_1	.000089	.0021259	0.04	0.967	-.0040777 .0042558
tsd_depend_2	-.0030659	.0018653	-1.64	0.100	-.0067218 .00059
tsd_depend_miss	.000467	.0052609	0.09	0.929	-.0098442 .0107781
tsd_vrpr	.0098411	.003132	3.14	0.002	.0037025 .0159798
tsd_vrpr_miss	.0114914	.0028368	4.05	0.000	.0059315 .0170514
pdcgrou2	.0000917	.0023459	0.04	0.969	-.0045063 .0046896
pdcgrou3	.0036255	.0028932	1.25	0.210	-.002045 .0092961
pdcgrou4	.0041923	.0021173	1.98	0.048	.0000424 .0083422
pdcgrou5	.0201774	.0226369	0.89	0.373	-.0241901 .0645449

cohort2000	.0030053	.0030462	0.99	0.324	-.0029651	.0089758
cohort2001	.0019413	.0052195	0.37	0.710	-.0082888	.0121714
cohort2002	.0001541	.0076241	0.02	0.984	-.0147889	.0150971
cohort2003	.0022185	.0122736	0.18	0.857	-.0218374	.0262743
cohort2004	.0059963	.0125623	0.48	0.633	-.0186255	.030618
award_b4_tsd	-.0048123	.0050324	-0.96	0.339	-.0146756	.005051
diaward_tsd	-.0002387	.0002316	-1.03	0.303	-.0006926	.0002151
epeb4twp_flag	-.0355907	.0412409	-0.86	0.388	-.1164214	.0452401
ldwb4twp_flag	.3037667	.0401209	7.57	0.000	.2251312	.3824023
ldwb4epe_flag	.0928133	.0175198	5.30	0.000	.0584752	.1271514
twpb4tsd	.1829272	.0030269	60.43	0.000	.1769947	.1888598
epeb4tsd	.1065853	.0040201	26.51	0.000	.0987061	.1144645
ldwb4tsd	-.1534158	.0059336	-25.86	0.000	-.1650454	-.1417863
st_AL	-.0588772	.064492	-0.91	0.361	-.1852792	.0675247
st_AR	.0164912	.065872	0.25	0.802	-.1126156	.1455979
st_AZ	-.0154132	.0526509	-0.29	0.770	-.1186071	.0877808
st_CA	.0465086	.0534422	0.87	0.384	-.0582361	.1512533
st_CO	-.0305562	.0549231	-0.56	0.578	-.1382035	.0770911
st_CT	-.0681837	.0660898	-1.03	0.302	-.1977173	.0613499
st_DC	.3291721	.0976154	3.37	0.001	.1378493	.5204948
st_DE	-.0788689	.0652688	-1.21	0.227	-.2067935	.0490557
st_FL	-.0202598	.0544845	-0.37	0.710	-.1270474	.0865278
st_GA	-.0535825	.0614007	-0.87	0.383	-.1739257	.0667606
st_HI	-.0778251	.0911371	-0.85	0.393	-.2564506	.1008004
st_IA	-.0771465	.0642741	-1.20	0.230	-.2031215	.0488285
st_ID	-.0739502	.0775186	-0.95	0.340	-.2258838	.0779834
st_IL	.0020615	.0513856	0.04	0.968	-.0986524	.1027754
st_IN	-.03878	.0632431	-0.61	0.540	-.1627343	.0851742
st_KS	-.0548065	.0646128	-0.85	0.396	-.1814452	.0718321
st_KY	-.0547733	.0641096	-0.85	0.393	-.1804259	.0708793
st_LA	.0132638	.0703803	0.19	0.851	-.1246791	.1512068
st_MA	-.0346084	.0554192	-0.62	0.532	-.1432279	.0740112
st_MD	-.0491919	.0698887	-0.70	0.482	-.1861713	.0877875
st_ME	.0211902	.0775254	0.27	0.785	-.1307569	.1731373
st_MI	.0127585	.0575249	0.22	0.824	-.0999882	.1255052
st_MN	-.0853317	.0669597	-1.27	0.203	-.2165703	.045907
st_MO	-.0083211	.0601869	-0.14	0.890	-.1262854	.1096431
st_MS	-.0186663	.065612	-0.28	0.776	-.1472636	.1099309
st_MT	-.0620737	.1562551	-0.40	0.691	-.3683281	.2441807
st_NC	-.0299163	.057014	-0.52	0.600	-.1416618	.0818291
st_ND	0	(omitted)				
st_NE	-.1303876	.0736106	-1.77	0.077	-.2746618	.0138865
st_NH	-.109632	.0688953	-1.59	0.112	-.2446643	.0254003
st_NJ	-.0359489	.0571144	-0.63	0.529	-.1478911	.0759933
st_NM	-.055029	.0709776	-0.78	0.438	-.1941425	.0840846
st_NV	-.0171904	.0605758	-0.28	0.777	-.1359168	.101536
st_NY	0	(omitted)				
st_OH	-.0469693	.0589843	-0.80	0.426	-.1625763	.0686377
st_OK	-.055116	.0587966	-0.94	0.349	-.1703553	.0601233
st_OR	.0225677	.0514479	0.44	0.661	-.0782683	.1234037
st_PA	-.0245493	.0583752	-0.42	0.674	-.1389625	.0898639
st_PR	.1448002	.0904329	1.60	0.109	-.032445	.3220454
st_RI	.0842017	.0784343	1.07	0.283	-.0695266	.23793
st_SC	-.0233893	.0536358	-0.44	0.663	-.1285134	.0817349
st_SD	-.1514755	.0886094	-1.71	0.087	-.3251467	.0221957
st_TN	-.0223861	.0642337	-0.35	0.727	-.1482817	.1035096
st_TX	.0047848	.0555476	0.09	0.931	-.1040866	.1136561
st_UT	-.0513371	.0718952	-0.71	0.475	-.1922492	.0895749
st_VA	-.0254611	.0684902	-0.37	0.710	-.1596994	.1087773
st_VT	-.0769153	.0640377	-1.20	0.230	-.2024269	.0485963
st_WA	.0907791	.0575565	1.58	0.115	-.0220462	.2036045
st_WI	-.0336961	.0562133	-0.60	0.549	-.1438722	.07648
st_WV	-.0221232	.0833717	-0.27	0.791	-.1855287	.1412823

st_WY	-.088482	.1200324	-0.74	0.461	-.3237411	.1467771
tsd_unemp_mean	-.0283966	.0121555	-2.34	0.019	-.0522209	-.0045723
tsd_unemp_cng	.0086742	.0093298	0.93	0.353	-.0096118	.0269602
pial	-.0000201	8.32e-06	-2.42	0.016	-.0000364	-3.81e-06
pia_miss	-.0340259	.0072193	-4.71	0.000	-.0481755	-.0198763
ime1	8.43e-06	2.76e-06	3.06	0.002	3.03e-06	.0000138
ime_miss	.0104312	.0041384	2.52	0.012	.0023201	.0185423
_cons	.2188694	.1020399	2.14	0.032	.0188748	.418864

ldwroll24						
mototkt	-.0006436	.0010608	-0.61	0.544	-.0027228	.0014356
male	.0020751	.0019691	1.05	0.292	-.0017842	.0059345
gendermiss_flag	-.0163724	.1383885	-0.12	0.906	-.2876089	.254864
tsd_age	-.0017336	.0002429	-7.14	0.000	-.0022096	-.0012575
doage2	-.0000437	.0002208	-0.20	0.843	-.0004764	.0003891
doage2miss_flag	-.0122446	.1130198	-0.11	0.914	-.2337593	.2092702
race_a	.0082421	.0084553	0.97	0.330	-.00833	.0248141
race_b	.0146832	.0027231	5.39	0.000	.009346	.0200204
race_h	.0074549	.0037818	1.97	0.049	.0000427	.0148671
race_i	.0001207	.0100497	0.01	0.990	-.0195763	.0198178
race_o	-.0078799	.011505	-0.68	0.493	-.0304292	.0146695
race_mis	.0088586	.008004	1.11	0.268	-.0068289	.0245461
tsd_edu_hs	.0021817	.0027515	0.79	0.428	-.0032112	.0075746
tsd_edu_mrhs	.0190152	.0032318	5.88	0.000	.012681	.0253494
tsd_edu_mis	.0112616	.0031872	3.53	0.000	.0050149	.0175083
tsd_mie_exp	.0078251	.0059902	1.31	0.191	-.0039155	.0195656
tsd_mie_mis	-.0023252	.0032779	-0.71	0.478	-.0087498	.0040995
tsd_mie_psbl	-.0014564	.0026565	-0.55	0.584	-.0066631	.0037503
tsd_medicare	-.0112336	.0025993	-4.32	0.000	-.0163282	-.0061391
tsd_medicare_miss	-.0285173	.0095233	-2.99	0.003	-.0471826	-.0098519
tsd_depend_1	-.0086351	.0028936	-2.98	0.003	-.0143064	-.0029638
tsd_depend_2	-.0081258	.0025388	-3.20	0.001	-.0131017	-.0031498
tsd_depend_miss	-.0091204	.0071605	-1.27	0.203	-.0231547	.0049138
tsd_vrpr	.0155419	.0042629	3.65	0.000	.0071867	.0238971
tsd_vrpr_miss	.0114404	.0038611	2.96	0.003	.0038728	.0190079
pdcgrou2	-.0084813	.003193	-2.66	0.008	-.0147394	-.0022231
pdcgrou3	.0043037	.0039379	1.09	0.274	-.0034144	.0120218
pdcgrou4	.0042081	.0028819	1.46	0.144	-.0014402	.0098565
pdcgrou5	.0120159	.0308106	0.39	0.697	-.0483718	.0724036
cohort2000	-.0025399	.0041461	-0.61	0.540	-.0106661	.0055863
cohort2001	-.0084948	.0071042	-1.20	0.232	-.0224187	.0054292
cohort2002	-.0061789	.010377	-0.60	0.552	-.0265175	.0141596
cohort2003	.0097639	.0167054	0.58	0.559	-.0229781	.0425058
cohort2004	-.0112044	.0170983	-0.66	0.512	-.0447165	.0223077
award_b4_tsd	.0051693	.0068495	0.75	0.450	-.0082555	.018594
diaward_tsd	-.0009473	.0003152	-3.01	0.003	-.001565	-.0003296
epeb4twp_flag	-.0378777	.0561322	-0.67	0.500	-.1478947	.0721393
ldwb4twp_flag	.27235	.0546077	4.99	0.000	.1653209	.3793791
ldwb4epe_flag	.3285029	.0238458	13.78	0.000	.2817661	.3752398
twpb4tsd	.2401046	.0041198	58.28	0.000	.23203	.2481792
epeb4tsd	.1026059	.0054716	18.75	0.000	.0918817	.1133301
ldwb4tsd	-.1952958	.008076	-24.18	0.000	-.2111245	-.179467
st_AL	-.0721736	.0877786	-0.82	0.411	-.2442166	.0998693
st_AR	-.0413654	.089657	-0.46	0.645	-.2170899	.134359
st_AZ	-.0331992	.0716621	-0.46	0.643	-.1736543	.1072558
st_CA	.0467274	.072739	0.64	0.521	-.0958384	.1892931
st_CO	-.0651136	.0747546	-0.87	0.384	-.2116299	.0814028
st_CT	-.0938708	.0899534	-1.04	0.297	-.2701762	.0824346
st_DC	.2949272	.1328622	2.22	0.026	.034522	.5553324
st_DE	-.1540096	.088836	-1.73	0.083	-.328125	.0201058
st_FL	-.0580456	.0741576	-0.78	0.434	-.2033919	.0873007
st_GA	-.115069	.0835712	-1.38	0.169	-.2788654	.0487275
st_HI	-.1873009	.1240448	-1.51	0.131	-.4304242	.0558224

st_IA	-.1595887	.0874821	-1.82	0.068	-.3310505	.0118731
st_ID	-.137087	.1055089	-1.30	0.194	-.3438806	.0697065
st_IL	.0000625	.0699398	0.00	0.999	-.137017	.137142
st_IN	-.0389593	.0860789	-0.45	0.651	-.2076708	.1297521
st_KS	-.1153382	.087943	-1.31	0.190	-.2877034	.0570269
st_KY	-.1102573	.0872582	-1.26	0.206	-.2812803	.0607656
st_LA	.0511613	.0957932	0.53	0.593	-.1365898	.2389125
st_MA	-.0608052	.0754298	-0.81	0.420	-.208645	.0870345
st_MD	-.1451737	.095124	-1.53	0.127	-.3316134	.0412659
st_ME	-.0594023	.1055182	-0.56	0.573	-.2662142	.1474096
st_MI	-.0322152	.0782959	-0.41	0.681	-.1856722	.1212419
st_MN	-.1393945	.0911374	-1.53	0.126	-.3180206	.0392316
st_MO	-.0786518	.0819191	-0.96	0.337	-.2392104	.0819067
st_MS	-.0584918	.0893031	-0.65	0.512	-.2335228	.1165391
st_MT	-.1696196	.2126754	-0.80	0.425	-.5864558	.2472166
st_NC	-.0680124	.0776005	-0.88	0.381	-.2201067	.0840819
st_ND	0	(omitted)				
st_NE	-.1854066	.1001898	-1.85	0.064	-.381775	.0109619
st_NH	-.130014	.0937719	-1.39	0.166	-.3138035	.0537755
st_NJ	-.0668262	.0777372	-0.86	0.390	-.2191883	.0855359
st_NM	-.1103728	.0966061	-1.14	0.253	-.2997173	.0789716
st_NV	-.0825835	.0824484	-1.00	0.317	-.2441794	.0790124
st_NY	0	(omitted)				
st_OH	-.0668135	.0802822	-0.83	0.405	-.2241637	.0905367
st_OK	-.1169558	.0800268	-1.46	0.144	-.2738056	.0398939
st_OR	.0269183	.0700246	0.38	0.701	-.1103274	.1641639
st_PA	-.0828713	.0794532	-1.04	0.297	-.2385966	.0728541
st_PR	.2787618	.1230863	2.26	0.024	.0375172	.5200064
st_RI	.0176872	.1067552	0.17	0.868	-.1915491	.2269235
st_SC	-.0597977	.0730025	-0.82	0.413	-.2028799	.0832845
st_SD	-.1387492	.1206043	-1.15	0.250	-.3751293	.0976309
st_TN	-.1000029	.0874271	-1.14	0.253	-.2713568	.071351
st_TX	-.0274742	.0756047	-0.36	0.716	-.1756566	.1207083
st_UT	-.1049639	.097855	-1.07	0.283	-.2967563	.0868284
st_VA	-.0824617	.0932205	-0.88	0.376	-.2651706	.1002472
st_VT	-.1530789	.0871603	-1.76	0.079	-.32391	.0177523
st_WA	.0741312	.0783505	0.95	0.344	-.0794329	.2276954
st_WI	-.0841286	.0765108	-1.10	0.272	-.234087	.0658297
st_WV	-.0593103	.1134754	-0.52	0.601	-.281718	.1630974
st_WY	-.1956831	.1633734	-1.20	0.231	-.5158891	.124523
tsd_unemp_mean	-.05593	.0165446	-3.38	0.001	-.0883567	-.0235033
tsd_unemp_cng	-.0152238	.0126986	-1.20	0.231	-.0401125	.0096649
pial	-.0000209	.0000113	-1.85	0.065	-.0000431	1.28e-06
pia_miss	-.0373231	.009826	-3.80	0.000	-.0565818	-.0180645
ime1	8.39e-06	3.75e-06	2.24	0.025	1.04e-06	.0000157
ime_miss	.0002185	.0056327	0.04	0.969	-.0108214	.0112583
_cons	.4799178	.1388843	3.46	0.001	.2077095	.7521261

ldwroll36						
mototkt	-.0017779	.001257	-1.41	0.157	-.0042416	.0006859
male	.0035604	.0023333	1.53	0.127	-.0010128	.0081336
gendermiss_flag	-.025701	.1639844	-0.16	0.875	-.3471046	.2957025
tsd_age	-.0025586	.0002878	-8.89	0.000	-.0031227	-.0019945
doage2	-.0001297	.0002616	-0.50	0.620	-.0006425	.0003832
doage2miss_flag	-.0297867	.1339236	-0.22	0.824	-.2922722	.2326988
race_a	.0016356	.0100191	0.16	0.870	-.0180015	.0212728
race_b	.0217958	.0032268	6.75	0.000	.0154715	.0281201
race_h	.0131438	.0044813	2.93	0.003	.0043607	.021927
race_i	.0036692	.0119085	0.31	0.758	-.0196709	.0270094
race_o	-.013313	.0136329	-0.98	0.329	-.040033	.013407
race_mis	.0074057	.0094844	0.78	0.435	-.0111833	.0259948
tsd_edu_hs	.0055017	.0032604	1.69	0.092	-.0008886	.011892
tsd_edu_mrhs	.0302342	.0038295	7.90	0.000	.0227285	.03774

tsd_edu_mis	.0172143	.0037766	4.56	0.000	.0098122	.0246164
tsd_mie_exp	.0046231	.0070981	0.65	0.515	-.009289	.0185352
tsd_mie_mis	-.0039833	.0038842	-1.03	0.305	-.0115963	.0036296
tsd_mie_psbl	-.0056519	.0031479	-1.80	0.073	-.0118216	.0005178
tsd_medicare	-.0140099	.0030801	-4.55	0.000	-.0200467	-.007973
tsd_medicare_mis	-.0413169	.0112847	-3.66	0.000	-.0634345	-.0191993
tsd_depend_1	-.0118678	.0034287	-3.46	0.001	-.018588	-.0051476
tsd_depend_2	-.0080673	.0030084	-2.68	0.007	-.0139636	-.002171
tsd_depend_mis	-.0154057	.0084848	-1.82	0.069	-.0320356	.0012243
tsd_vrpr	.0125377	.0050514	2.48	0.013	.0026372	.0224383
tsd_vrpr_mis	-.0031696	.0045752	-0.69	0.488	-.0121369	.0057976
pdcgrou2	-.0148676	.0037835	-3.93	0.000	-.0222832	-.007452
pdcgrou3	.0014562	.0046662	0.31	0.755	-.0076894	.0106018
pdcgrou4	.000928	.0034149	0.27	0.786	-.0057651	.0076211
pdcgrou5	.0013647	.0365093	0.04	0.970	-.0701921	.0729215
cohort2000	.0000542	.0049129	0.01	0.991	-.009575	.0096834
cohort2001	-.0025986	.0084182	-0.31	0.758	-.0190979	.0139007
cohort2002	-.000236	.0122963	-0.02	0.985	-.0243363	.0238644
cohort2003	.0441544	.0197951	2.23	0.026	.0053567	.0829522
cohort2004	.0214776	.0202608	1.06	0.289	-.0182328	.061188
award_b4_tsd	.0153654	.0081164	1.89	0.058	-.0005424	.0312731
diaward_tsd	-.0009638	.0003735	-2.58	0.010	-.0016958	-.0002319
epeb4twp_flag	-.0443034	.0665142	-0.67	0.505	-.1746688	.0860621
ldwb4twp_flag	.2501192	.0647078	3.87	0.000	.1232942	.3769441
ldwb4epe_flag	.436999	.0282562	15.47	0.000	.3816179	.4923801
twpb4tsd	.2694252	.0048818	55.19	0.000	.2598572	.2789933
epeb4tsd	.0937713	.0064836	14.46	0.000	.0810636	.106479
ldwb4tsd	-.2213818	.0095698	-23.13	0.000	-.2401382	-.2026254
st_AL	-.1641734	.1040139	-1.58	0.114	-.368037	.0396901
st_AR	-.1313531	.1062397	-1.24	0.216	-.339579	.0768728
st_AZ	-.1115229	.0849165	-1.31	0.189	-.2779562	.0549103
st_CA	-.0356625	.0861926	-0.41	0.679	-.2045968	.1332718
st_CO	-.1448147	.088581	-1.63	0.102	-.3184303	.028801
st_CT	-.1664691	.1065909	-1.56	0.118	-.3753835	.0424453
st_DC	.1683178	.1574361	1.07	0.285	-.1402512	.4768868
st_DE	-.1931859	.1052669	-1.84	0.066	-.3995052	.0131334
st_FL	-.1391834	.0878736	-1.58	0.113	-.3114125	.0330457
st_GA	-.1810024	.0990282	-1.83	0.068	-.3750942	.0130893
st_HI	-.2605658	.1469877	-1.77	0.076	-.5486565	.0275249
st_IA	-.2047619	.1036626	-1.98	0.048	-.4079368	-.0015869
st_ID	-.2323594	.1250235	-1.86	0.063	-.4774009	.012682
st_IL	-.0951631	.0828757	-1.15	0.251	-.2575965	.0672702
st_IN	-.0946915	.1019997	-0.93	0.353	-.2946074	.1052243
st_KS	-.2010906	.1042087	-1.93	0.054	-.405336	.0031547
st_KY	-.1520599	.1033973	-1.47	0.141	-.3547148	.050595
st_LA	-.0511613	.1135108	-0.45	0.652	-.2736383	.1713157
st_MA	-.1300187	.0893811	-1.45	0.146	-.3052025	.045165
st_MD	-.1691573	.1127179	-1.50	0.133	-.3900803	.0517657
st_ME	-.0236697	.1250346	-0.19	0.850	-.2687329	.2213935
st_MI	-.1191126	.0927772	-1.28	0.199	-.3009527	.0627274
st_MN	-.1850696	.107994	-1.71	0.087	-.3967338	.0265947
st_MO	-.1755543	.0970707	-1.81	0.071	-.3658093	.0147007
st_MS	.0485472	.1058204	0.46	0.646	-.1588569	.2559513
st_MT	-.2674532	.2520113	-1.06	0.289	-.7613862	.2264798
st_NC	-.161127	.0919533	-1.75	0.080	-.3413522	.0190982
st_ND	0	(omitted)				
st_NE	-.2472487	.1187206	-2.08	0.037	-.4799369	-.0145605
st_NH	-.1484859	.1111157	-1.34	0.181	-.3662686	.0692967
st_NJ	-.1094147	.0921152	-1.19	0.235	-.2899572	.0711279
st_NM	-.2031069	.1144741	-1.77	0.076	-.4274719	.0212582
st_NV	-.1559368	.0976978	-1.60	0.110	-.3474211	.0355474
st_NY	0	(omitted)				
st_OH	-.1369803	.095131	-1.44	0.150	-.3234335	.049473

st_OK	-.1796091	.0948284	-1.89	0.058	-.3654693	.0062511
st_OR	-.0849026	.0829761	-1.02	0.306	-.2475328	.0777277
st_PA	-.1404533	.0941486	-1.49	0.136	-.3249812	.0440745
st_PR	.0518951	.1458519	0.36	0.722	-.2339694	.3377597
st_RI	-.0722135	.1265003	-0.57	0.568	-.3201495	.1757225
st_SC	-.1502711	.0865048	-1.74	0.082	-.3198174	.0192752
st_SD	-.0530952	.1429109	-0.37	0.710	-.3331954	.2270051
st_TN	-.1120251	.1035973	-1.08	0.280	-.3150721	.0910219
st_TX	-.1397002	.0895883	-1.56	0.119	-.31529	.0358897
st_UT	-.2108121	.115954	-1.82	0.069	-.4380778	.0164536
st_VA	-.1178129	.1104623	-1.07	0.286	-.3343151	.0986893
st_VT	-.1946721	.1032813	-1.88	0.059	-.3970996	.0077555
st_WA	-.0270282	.092842	-0.29	0.771	-.2089951	.1549388
st_WI	-.1638946	.090662	-1.81	0.071	-.3415887	.0137996
st_WV	-.1578149	.1344635	-1.17	0.241	-.4213584	.1057287
st_WY	-.2689428	.1935905	-1.39	0.165	-.6483733	.1104876
tsd_unemp_mean	-.037824	.0196046	-1.93	0.054	-.0762483	.0006003
tsd_unemp_cng	-.0204914	.0150473	-1.36	0.173	-.0499835	.0090007
pial	-.0000206	.0000134	-1.54	0.124	-.0000469	5.66e-06
pia_miss	-.0458018	.0116434	-3.93	0.000	-.0686226	-.0229811
ime1	8.47e-06	4.45e-06	1.90	0.057	-2.46e-07	.0000172
ime_miss	-.0093772	.0066745	-1.40	0.160	-.0224589	.0037046
_cons	.5193271	.164572	3.16	0.002	.196772	.8418823

ldwroll48						
mototkt	-.0021327	.0013874	-1.54	0.124	-.004852	.0005866
male	.0056594	.0025753	2.20	0.028	.0006119	.0107069
gendermiss_flag	-.0345662	.1809921	-0.19	0.849	-.3893042	.3201718
tsd_age	-.003274	.0003177	-10.31	0.000	-.0038966	-.0026514
doage2	-.0002507	.0002888	-0.87	0.385	-.0008167	.0003153
doage2miss_flag	.2907927	.1478135	1.97	0.049	.0010835	.580502
race_a	.0047572	.0110583	0.43	0.667	-.0169166	.026431
race_b	.0262299	.0035614	7.37	0.000	.0192497	.0332102
race_h	.0139005	.004946	2.81	0.005	.0042064	.0235945
race_i	.009942	.0131436	0.76	0.449	-.0158189	.0357029
race_o	-.0123699	.0150469	-0.82	0.411	-.0418612	.0171215
race_mis	.010193	.010468	0.97	0.330	-.010324	.03071
tsd_edu_hs	.006685	.0035986	1.86	0.063	-.0003681	.0137381
tsd_edu_mrhs	.0363867	.0042267	8.61	0.000	.0281025	.0446709
tsd_edu_mis	.0171953	.0041683	4.13	0.000	.0090255	.0253651
tsd_mie_exp	.0111508	.0078343	1.42	0.155	-.0042041	.0265058
tsd_mie_mis	-.0033751	.0042871	-0.79	0.431	-.0117776	.0050274
tsd_mie_psbl	-.0068066	.0034743	-1.96	0.050	-.0136162	2.94e-06
tsd_medicare	-.0165196	.0033995	-4.86	0.000	-.0231826	-.0098566
tsd_medicare_miss	-.0524075	.0124551	-4.21	0.000	-.076819	-.0279959
tsd_depend_1	-.0132242	.0037844	-3.49	0.000	-.0206414	-.005807
tsd_depend_2	-.0072906	.0033204	-2.20	0.028	-.0137984	-.0007827
tsd_depend_miss	-.0255215	.0093648	-2.73	0.006	-.0438762	-.0071667
tsd_vrpr	.0049602	.0055753	0.89	0.374	-.0059672	.0158875
tsd_vrpr_miss	-.0186449	.0050497	-3.69	0.000	-.0285422	-.0087476
pdgroup2	-.0224604	.0041759	-5.38	0.000	-.0306451	-.0142757
pdgroup3	.0022937	.0051502	0.45	0.656	-.0078004	.0123878
pdgroup4	-.0024934	.0037691	-0.66	0.508	-.0098806	.0048939
pdgroup5	-.0080435	.0402958	-0.20	0.842	-.0870218	.0709349
cohort2000	.0014512	.0054225	0.27	0.789	-.0091767	.0120791
cohort2001	.0001582	.0092913	0.02	0.986	-.0180523	.0183688
cohort2002	-.0010782	.0135716	-0.08	0.937	-.0276781	.0255217
cohort2003	.0615923	.0218482	2.82	0.005	.0187706	.1044139
cohort2004	.038848	.0223621	1.74	0.082	-.004981	.082677
award_b4_tsd	.0248161	.0089581	2.77	0.006	.0072584	.0423737
diaward_tsd	-.0009868	.0004122	-2.39	0.017	-.0017946	-.0001789
epeb4twp_flag	-.0791403	.0734127	-1.08	0.281	-.2230267	.064746
ldwb4twp_flag	.3019265	.071419	4.23	0.000	.1619479	.4419051

ldwb4epe_flag	.5644177	.0311868	18.10	0.000	.5032927	.6255427
twpb4tsd	.2870338	.0053881	53.27	0.000	.2764733	.2975942
epeb4tsd	.0792006	.0071561	11.07	0.000	.0651749	.0932263
ldwb4tsd	-.2380857	.0105623	-22.54	0.000	-.2587874	-.2173839
st_AL	-.3076687	.1148017	-2.68	0.007	-.532676	-.0826614
st_AR	-.2721718	.1172583	-2.32	0.020	-.5019939	-.0423497
st_AZ	-.2289551	.0937236	-2.44	0.015	-.41265	-.0452603
st_CA	-.1388	.095132	-1.46	0.145	-.3252554	.0476553
st_CO	-.2740924	.0977682	-2.80	0.005	-.4657146	-.0824702
st_CT	-.2865615	.117646	-2.44	0.015	-.5171434	-.0559795
st_DC	.0355143	.1737646	0.20	0.838	-.305058	.3760866
st_DE	-.3342985	.1161846	-2.88	0.004	-.5620162	-.1065808
st_FL	-.2618115	.0969875	-2.70	0.007	-.4519034	-.0717196
st_GA	-.2783267	.109299	-2.55	0.011	-.4925488	-.0641047
st_HI	-.4207013	.1622326	-2.59	0.010	-.7386714	-.1027313
st_IA	-.3485558	.114414	-3.05	0.002	-.5728031	-.1243086
st_ID	-.2286865	.1379903	-1.66	0.097	-.4991425	.0417695
st_IL	-.2068648	.0914711	-2.26	0.024	-.3861449	-.0275846
st_IN	-.202972	.1125787	-1.80	0.071	-.4236221	.0176782
st_KS	-.3403948	.1150167	-2.96	0.003	-.5658235	-.1149661
st_KY	-.2336553	.1141211	-2.05	0.041	-.4573286	-.009982
st_LA	-.188143	.1252836	-1.50	0.133	-.4336943	.0574083
st_MA	-.2489375	.0986513	-2.52	0.012	-.4422905	-.0555845
st_MD	-.3217812	.1244085	-2.59	0.010	-.5656173	-.0779451
st_ME	-.1743344	.1380025	-1.26	0.206	-.4448144	.0961456
st_MI	-.229302	.1023996	-2.24	0.025	-.4300017	-.0286024
st_MN	-.3396119	.1191946	-2.85	0.004	-.573229	-.1059949
st_MO	-.2986015	.1071384	-2.79	0.005	-.5085889	-.0886142
st_MS	-.0890429	.1167956	-0.76	0.446	-.317958	.1398722
st_MT	-.437486	.2781487	-1.57	0.116	-.9826474	.1076754
st_NC	-.2673598	.1014903	-2.63	0.008	-.4662771	-.0684425
st_ND	0	(omitted)				
st_NE	-.4015178	.1310338	-3.06	0.002	-.6583393	-.1446963
st_NH	-.2940267	.12264	-2.40	0.017	-.5343967	-.0536566
st_NJ	-.2451033	.101669	-2.41	0.016	-.4443708	-.0458357
st_NM	-.3395859	.1263468	-2.69	0.007	-.587221	-.0919508
st_NV	-.2648172	.1078306	-2.46	0.014	-.4761613	-.0534732
st_NY	0	(omitted)				
st_OH	-.2720228	.1049975	-2.59	0.010	-.4778141	-.0662315
st_OK	-.3124171	.1046635	-2.98	0.003	-.5175538	-.1072803
st_OR	-.1943615	.091582	-2.12	0.034	-.373859	-.0148641
st_PA	-.2814993	.1039132	-2.71	0.007	-.4851655	-.0778331
st_PR	-.0158274	.160979	-0.10	0.922	-.3313405	.2996856
st_RI	-.2155757	.1396203	-1.54	0.123	-.4892265	.058075
st_SC	-.2751329	.0954767	-2.88	0.004	-.4622637	-.0880021
st_SD	-.2154905	.157733	-1.37	0.172	-.5246414	.0936605
st_TN	-.2607773	.1143419	-2.28	0.023	-.4848834	-.0366713
st_TX	-.2302718	.09888	-2.33	0.020	-.4240729	-.0364706
st_UT	-.3521043	.1279802	-2.75	0.006	-.602941	-.1012677
st_VA	-.2732916	.1219189	-2.24	0.025	-.5122484	-.0343349
st_VT	-.3346713	.1139931	-2.94	0.003	-.5580936	-.1112489
st_WA	-.1191737	.1024711	-1.16	0.245	-.3200133	.081666
st_WI	-.2884896	.100065	-2.88	0.004	-.4846134	-.0923659
st_WV	-.2901772	.1484094	-1.96	0.051	-.5810543	.0006998
st_WY	-.4267419	.2136688	-2.00	0.046	-.845525	-.0079587
tsd_unemp_mean	-.0477959	.0216379	-2.21	0.027	-.0902054	-.0053865
tsd_unemp_cng	-.0306555	.0166079	-1.85	0.065	-.0632064	.0018953
pial	-.000016	.0000148	-1.08	0.279	-.0000451	.000013
pia_miss	-.0404496	.012851	-3.15	0.002	-.0656372	-.015262
ime1	5.86e-06	4.91e-06	1.19	0.232	-3.76e-06	.0000155
ime_miss	-.0227961	.0073667	-3.09	0.002	-.0372346	-.0083575
_cons	.7567696	.1816406	4.17	0.000	.4007606	1.112779

Endogenous variables: ldwroll12 ldwroll24 ldwroll36 ldwroll48 mototkt
 Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
 race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
 tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare
 tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
 epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd
 st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
 st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
 st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
 st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
 st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss imm1 imm3 imm4

(1) 12*[ldwroll12]mototkt + 12*[ldwroll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0045928	.0203279	-0.23	0.821	-.0444348	.0352492

(1) 12*[ldwroll12]mototkt + 12*[ldwroll24]mototkt + 12*[ldwroll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.025927	.0332744	-0.78	0.436	-.0911437	.0392896

(1) 12*[ldwroll12]mototkt + 12*[ldwroll24]mototkt + 12*[ldwroll36]mototkt + 12*[ldwroll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0515196	.0477076	-1.08	0.280	-.1450247	.0419855

phase 1 NO NY dependent variable: eperoll, unemployment: unemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
eperoll12	43043	97	.1573025	0.1218	5970.05	0.0000
eperoll24	43043	97	.2106993	0.1165	5676.55	0.0000
eperoll36	43043	97	.2523822	0.1161	5659.40	0.0000
eperoll48	43043	97	.2795123	0.1180	5760.34	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
eperoll12						
mototkt	-.0006173	.000853	-0.72	0.469	-.0022892	.0010546
male	.0010076	.0015834	0.64	0.525	-.0020957	.0041109
gendermiss_flag	-.0056492	.1112781	-0.05	0.960	-.2237503	.212452
tsd_age	-.000658	.0001953	-3.37	0.001	-.0010408	-.0002752
doage2	-.0003064	.0001776	-1.73	0.084	-.0006544	.0000416

doage2miss_flag	-.0187522	.0908792	-0.21	0.837	-.1968722	.1593677
race_a	.0079223	.0067989	1.17	0.244	-.0054032	.0212479
race_b	.0042781	.0021896	1.95	0.051	-.0000135	.0085697
race_h	-.0050704	.0030409	-1.67	0.095	-.0110306	.0008897
race_i	.0024019	.008081	0.30	0.766	-.0134366	.0182403
race_o	-.0126691	.0092512	-1.37	0.171	-.0308011	.0054628
race_mis	.0012239	.006436	0.19	0.849	-.0113904	.0138382
tsd_edu_hs	.0019776	.0022125	0.89	0.371	-.0023588	.006314
tsd_edu_mrhs	.0099601	.0025987	3.83	0.000	.0048668	.0150534
tsd_edu_mis	.0118739	.0025628	4.63	0.000	.0068509	.0168969
tsd_mie_exp	.0002077	.0048167	0.04	0.966	-.0092329	.0096483
tsd_mie_mis	-.0013712	.0026358	-0.52	0.603	-.0065373	.0037948
tsd_mie_psbl	-.0033269	.0021361	-1.56	0.119	-.0075136	.0008598
tsd_medicare	-.0067643	.0020901	-3.24	0.001	-.0108609	-.0026678
tsd_medicare_miss	-.0160271	.0076577	-2.09	0.036	-.0310359	-.0010183
tsd_depend_1	-.0064771	.0023267	-2.78	0.005	-.0110374	-.0019169
tsd_depend_2	-.008857	.0020414	-4.34	0.000	-.0128581	-.0048558
tsd_depend_miss	-.0222099	.0057577	-3.86	0.000	-.0334948	-.010925
tsd_vrpr	.015309	.0034278	4.47	0.000	.0085906	.0220274
tsd_vrpr_miss	-.0004453	.0031047	-0.14	0.886	-.0065304	.0056397
pdcgroup2	.0022783	.0025675	0.89	0.375	-.0027539	.0073104
pdcgroup3	-.0041378	.0031664	-1.31	0.191	-.0103439	.0020683
pdcgroup4	-.0028636	.0023173	-1.24	0.217	-.0074054	.0016783
pdcgroup5	.0375073	.0247748	1.51	0.130	-.0110504	.086065
cohort2000	-.0100067	.0033339	-3.00	0.003	-.016541	-.0034724
cohort2001	-.008243	.0057125	-1.44	0.149	-.0194393	.0029532
cohort2002	-.008213	.0083442	-0.98	0.325	-.0245673	.0081412
cohort2003	-.0228439	.0134328	-1.70	0.089	-.0491717	.0034838
cohort2004	-.0232578	.0137488	-1.69	0.091	-.0502049	.0036893
award_b4_tsd	-.0046423	.0055077	-0.84	0.399	-.0154372	.0061525
diaward_tsd	-.0008496	.0002534	-3.35	0.001	-.0013463	-.0003529
epeb4twp_flag	.2890013	.0451359	6.40	0.000	.2005366	.3774659
ldwb4twp_flag	-.0354431	.04391	-0.81	0.420	-.1215052	.050619
ldwb4epe_flag	.0955024	.0191744	4.98	0.000	.0579213	.1330835
twpb4tsd	.234509	.0033127	70.79	0.000	.2280162	.2410018
epeb4tsd	-.092788	.0043997	-21.09	0.000	-.1014113	-.0841647
ldwb4tsd	-.0457725	.0064939	-7.05	0.000	-.0585004	-.0330446
st_AL	.0112886	.0705828	0.16	0.873	-.1270511	.1496283
st_AR	.0240383	.0720931	0.33	0.739	-.1172617	.1653382
st_AZ	-.0015573	.0576234	-0.03	0.978	-.1144972	.1113826
st_CA	.014585	.0584894	0.25	0.803	-.1000521	.1292221
st_CO	-.0163235	.0601102	-0.27	0.786	-.1341373	.1014903
st_CT	.0284321	.0723315	0.39	0.694	-.113335	.1701993
st_DC	-.0195601	.1068345	-0.18	0.855	-.2289518	.1898317
st_DE	-.0388669	.071433	-0.54	0.586	-.178873	.1011393
st_FL	-.0118496	.0596301	-0.20	0.842	-.1287225	.1050234
st_GA	-.0301785	.0671995	-0.45	0.653	-.1618872	.1015302
st_HI	-.0619642	.0997444	-0.62	0.534	-.2574596	.1335312
st_IA	-.0339147	.0703444	-0.48	0.630	-.1717871	.1039577
st_ID	.0773592	.0848396	0.91	0.362	-.0889234	.2436419
st_IL	.0130788	.0562386	0.23	0.816	-.0971468	.1233044
st_IN	-.0369931	.069216	-0.53	0.593	-.172654	.0986677
st_KS	-.0293801	.070715	-0.42	0.678	-.1679789	.1092187
st_KY	.0018771	.0701643	0.03	0.979	-.1356425	.1393966
st_LA	-.0813761	.0770273	-1.06	0.291	-.2323467	.0695945
st_MA	-.0087125	.0606531	-0.14	0.886	-.1275904	.1101654
st_MD	-.0787937	.0764892	-1.03	0.303	-.2287098	.0711224
st_ME	-.0385408	.0848472	-0.45	0.650	-.2048382	.1277566
st_MI	.0038486	.0629577	0.06	0.951	-.1195462	.1272434
st_MN	.0017167	.0732836	0.02	0.981	-.1419165	.1453499
st_MO	.0079103	.0658712	0.12	0.904	-.1211948	.1370155
st_MS	-.0303703	.0718086	-0.42	0.672	-.1711127	.110372
st_MT	-.0561043	.1710123	-0.33	0.743	-.3912822	.2790736

st_NC	-.0327596	.0623986	-0.53	0.600	-.1550586	.0895393
st_ND	0	(omitted)				
st_NE	-.0595128	.0805626	-0.74	0.460	-.2174126	.098387
st_NH	-.0889518	.075402	-1.18	0.238	-.2367369	.0588333
st_NJ	-.023966	.0625085	-0.38	0.701	-.1464804	.0985483
st_NM	-.0198	.0776809	-0.25	0.799	-.1720518	.1324518
st_NV	-.0224343	.0662968	-0.34	0.735	-.1523735	.107505
st_NY	0	(omitted)				
st_OH	-.0370489	.0645549	-0.57	0.566	-.1635742	.0894764
st_OK	-.0249855	.0643496	-0.39	0.698	-.1511084	.1011373
st_OR	.01801	.0563068	0.32	0.749	-.0923492	.1283692
st_PA	-.0621874	.0638883	-0.97	0.330	-.1874061	.0630313
st_PR	.094076	.0989736	0.95	0.342	-.0999088	.2880607
st_RI	.0759515	.0858418	0.88	0.376	-.0922954	.2441983
st_SC	-.010526	.0587013	-0.18	0.858	-.1255784	.1045264
st_SD	.0199969	.0969779	0.21	0.837	-.1700763	.2100701
st_TN	-.0542249	.0703001	-0.77	0.441	-.1920105	.0835607
st_TX	-.0014067	.0607937	-0.02	0.982	-.1205601	.1177468
st_UT	-.0452604	.0786852	-0.58	0.565	-.1994806	.1089598
st_VA	-.0384582	.0749586	-0.51	0.608	-.1853744	.1084579
st_VT	-.0319771	.0700856	-0.46	0.648	-.1693423	.1053882
st_WA	-.0294025	.0630016	-0.47	0.641	-.1528834	.0940784
st_WI	-.0126931	.0615223	-0.21	0.837	-.1332746	.1078884
st_WV	-.0178584	.0912455	-0.20	0.845	-.1966964	.1609795
st_WY	-.0604943	.1313686	-0.46	0.645	-.3179719	.1969833
tsd_unemp_mean	-.0162976	.0133035	-1.23	0.221	-.0423719	.0097767
tsd_unemp_cng	-.0059812	.0102109	-0.59	0.558	-.0259942	.0140319
pial	1.18e-07	9.10e-06	0.01	0.990	-.0000177	.000018
pia_miss	-.0055896	.0079011	-0.71	0.479	-.0210755	.0098963
ime1	1.22e-06	3.02e-06	0.41	0.685	-4.69e-06	7.14e-06
ime_miss	-.0051973	.0045292	-1.15	0.251	-.0140744	.0036798
_cons	.1763267	.1116769	1.58	0.114	-.042556	.3952093

eperoll24						
mototkt	-.0011636	.0011426	-1.02	0.308	-.0034031	.0010758
male	.0011065	.0021208	0.52	0.602	-.0030502	.0052633
gendermiss_flag	-.0163593	.1490518	-0.11	0.913	-.3084955	.2757769
tsd_age	-.0017581	.0002616	-6.72	0.000	-.0022708	-.0012453
doage2	-.0001048	.0002378	-0.44	0.659	-.000571	.0003613
doage2miss_flag	.294067	.1217284	2.42	0.016	.0554837	.5326503
race_a	.0006838	.0091068	0.08	0.940	-.0171652	.0185328
race_b	.010047	.0029329	3.43	0.001	.0042986	.0157954
race_h	-.0015667	.0040732	-0.38	0.701	-.00955	.0064166
race_i	-.0084894	.0108241	-0.78	0.433	-.0297042	.0127254
race_o	-.0184624	.0123915	-1.49	0.136	-.0427493	.0058245
race_mis	.0020382	.0086207	0.24	0.813	-.0148581	.0189345
tsd_edu_hs	.0041063	.0029635	1.39	0.166	-.0017021	.0099147
tsd_edu_mrhs	.0180236	.0034808	5.18	0.000	.0112013	.0248458
tsd_edu_mis	.0196002	.0034327	5.71	0.000	.0128722	.0263283
tsd_mie_exp	-.0030018	.0064518	-0.47	0.642	-.0156471	.0096434
tsd_mie_mis	-.0091719	.0035305	-2.60	0.009	-.0160916	-.0022522
tsd_mie_psbl	-.0094433	.0028612	-3.30	0.001	-.0150512	-.0038354
tsd_medicare	-.0120662	.0027996	-4.31	0.000	-.0175533	-.0065791
tsd_medicare_miss	-.0333356	.0102571	-3.25	0.001	-.0534392	-.013232
tsd_depend_1	-.0119181	.0031165	-3.82	0.000	-.0180264	-.0058098
tsd_depend_2	-.0117993	.0027344	-4.32	0.000	-.0171587	-.00644
tsd_depend_miss	-.0391067	.0077122	-5.07	0.000	-.0542223	-.0239911
tsd_vrpr	.019972	.0045914	4.35	0.000	.010973	.028971
tsd_vrpr_miss	-.010702	.0041586	-2.57	0.010	-.0188526	-.0025513
pdcgrou2	.0014434	.003439	0.42	0.675	-.0052969	.0081837
pdcgrou3	-.0063983	.0042413	-1.51	0.131	-.0147111	.0019145
pdcgrou4	-.00046	.0031039	-0.15	0.882	-.0065435	.0056236
pdcgrou5	.029691	.0331847	0.89	0.371	-.0353498	.0947318

cohort2000	-.0177659	.0044656	-3.98	0.000	-.0265183	-.0090136
cohort2001	-.0154744	.0076516	-2.02	0.043	-.0304713	-.0004776
cohort2002	-.0104494	.0111766	-0.93	0.350	-.0323551	.0114564
cohort2003	.0029973	.0179926	0.17	0.868	-.0322675	.0382621
cohort2004	-.0545751	.0184158	-2.96	0.003	-.0906694	-.0184807
award_b4_tsd	.011775	.0073773	1.60	0.110	-.0026842	.0262342
diaward_tsd	-.0012524	.0003394	-3.69	0.000	-.0019177	-.000587
epeb4twp_flag	.3023483	.0604574	5.00	0.000	.183854	.4208425
ldwb4twp_flag	-.0761066	.0588154	-1.29	0.196	-.1913828	.0391695
ldwb4epe_flag	.2868913	.0256832	11.17	0.000	.2365532	.3372294
twpb4tsd	.2822992	.0044372	63.62	0.000	.2736024	.290996
epeb4tsd	-.1311383	.0058932	-22.25	0.000	-.1426888	-.1195877
ldwb4tsd	-.0645518	.0086983	-7.42	0.000	-.0816002	-.0475033
st_AL	.0691839	.0945423	0.73	0.464	-.1161156	.2544834
st_AR	.0371245	.0965654	0.38	0.701	-.1521401	.2263891
st_AZ	.0253433	.0771839	0.33	0.743	-.1259344	.1766209
st_CA	.0587992	.0783438	0.75	0.453	-.0947517	.2123502
st_CO	.0146218	.0805147	0.18	0.856	-.1431842	.1724278
st_CT	.0409791	.0968846	0.42	0.672	-.1489113	.2308695
st_DC	-.0375971	.1430998	-0.26	0.793	-.3180675	.2428733
st_DE	.0050335	.0956812	0.05	0.958	-.1824981	.1925651
st_FL	.0139966	.0798718	0.18	0.861	-.1425492	.1705424
st_GA	-.0196186	.0900106	-0.22	0.827	-.1960362	.1567989
st_HI	-.0501572	.1336029	-0.38	0.707	-.3120141	.2116996
st_IA	.0135165	.094223	0.14	0.886	-.1711571	.1981901
st_ID	.0839448	.1136387	0.74	0.460	-.1387829	.3066726
st_IL	.0377905	.0753289	0.50	0.616	-.1098515	.1854325
st_IN	.0016573	.0927115	0.02	0.986	-.180054	.1833686
st_KS	-.0172034	.0947194	-0.18	0.856	-.2028499	.1684432
st_KY	.0613017	.0939818	0.65	0.514	-.1228992	.2455026
st_LA	.0154761	.1031744	0.15	0.881	-.1867419	.2176942
st_MA	.0298556	.081242	0.37	0.713	-.1293757	.1890869
st_MD	-.0713417	.1024537	-0.70	0.486	-.2721473	.1294638
st_ME	-.0174695	.1136488	-0.15	0.878	-.240217	.205278
st_MI	.0244799	.0843289	0.29	0.772	-.1408016	.1897614
st_MN	.0441387	.0981599	0.45	0.653	-.1482512	.2365286
st_MO	.0120092	.0882313	0.14	0.892	-.160921	.1849394
st_MS	.1136602	.0961843	1.18	0.237	-.0748575	.3021779
st_MT	-.077252	.2290629	-0.34	0.736	-.526207	.3717029
st_NC	-.0392952	.08358	-0.47	0.638	-.2031089	.1245185
st_ND	0	(omitted)				
st_NE	-.0322813	.1079098	-0.30	0.765	-.2437807	.179218
st_NH	-.074921	.1009974	-0.74	0.458	-.2728722	.1230302
st_NJ	-.0004566	.0837271	-0.01	0.996	-.1645587	.1636456
st_NM	-.0059074	.1040499	-0.06	0.955	-.2098415	.1980268
st_NV	-.0305365	.0888014	-0.34	0.731	-.204584	.143511
st_NY	0	(omitted)				
st_OH	-.0040187	.0864682	-0.05	0.963	-.1734933	.1654559
st_OK	.0002194	.0861932	0.00	0.998	-.1687162	.169155
st_OR	.0278186	.0754202	0.37	0.712	-.1200023	.1756396
st_PA	-.0399731	.0855753	-0.47	0.640	-.2076977	.1277514
st_PR	.0478913	.1325705	0.36	0.718	-.2119421	.3077247
st_RI	.0750493	.1149811	0.65	0.514	-.1503094	.300408
st_SC	.0086426	.0786276	0.11	0.912	-.1454646	.1627499
st_SD	.0382523	.1298973	0.29	0.768	-.2163418	.2928463
st_TN	-.0115405	.0941636	-0.12	0.902	-.1960978	.1730168
st_TX	.020327	.0814303	0.25	0.803	-.1392734	.1799275
st_UT	.0607001	.1053951	0.58	0.565	-.1458705	.2672708
st_VA	-.0257618	.1004035	-0.26	0.798	-.2225491	.1710254
st_VT	.0154422	.0938764	0.16	0.869	-.1685521	.1994365
st_WA	-.046848	.0843877	-0.56	0.579	-.2122448	.1185488
st_WI	.0119167	.0824062	0.14	0.885	-.1495965	.1734298
st_WV	-.0170175	.1222191	-0.14	0.889	-.2565625	.2225276

st_WY	-.0474781	.175962	-0.27	0.787	-.3923572	.2974011
tsd_unemp_mean	-.0089641	.0178194	-0.50	0.615	-.0438894	.0259612
tsd_unemp_cng	-.014321	.013677	-1.05	0.295	-.0411275	.0124855
pia1	9.19e-06	.0000122	0.75	0.451	-.0000147	.0000331
pia_miss	.0025143	.0105832	0.24	0.812	-.0182283	.023257
ime1	-1.44e-06	4.04e-06	-0.36	0.721	-9.36e-06	6.48e-06
ime_miss	-.0191841	.0060667	-3.16	0.002	-.0310746	-.0072936
_cons	.183624	.1495859	1.23	0.220	-.1095589	.476807

eperoll136						
mototkt	-.0021715	.0013686	-1.59	0.113	-.004854	.0005109
male	-.0024013	.0025404	-0.95	0.345	-.0073804	.0025777
gendermiss_flag	-.027724	.1785389	-0.16	0.877	-.3776539	.3222059
tsd_age	-.0028256	.0003134	-9.02	0.000	-.0034398	-.0022114
doage2	-.0001312	.0002849	-0.46	0.645	-.0006896	.0004271
doage2miss_flag	.2753279	.1458101	1.89	0.059	-.0104546	.5611104
race_a	.0042515	.0109084	0.39	0.697	-.0171285	.0256316
race_b	.0181659	.0035132	5.17	0.000	.0112802	.0250515
race_h	-.0008805	.004879	-0.18	0.857	-.0104431	.0086822
race_i	-.0066323	.0129654	-0.51	0.609	-.0320441	.0187794
race_o	-.0256704	.0148429	-1.73	0.084	-.054762	.0034212
race_mis	.0020637	.0103262	0.20	0.842	-.0181752	.0223026
tsd_edu_hs	.0039456	.0035498	1.11	0.266	-.0030118	.0109031
tsd_edu_mrhs	.0239019	.0041694	5.73	0.000	.01573	.0320738
tsd_edu_mis	.0200247	.0041118	4.87	0.000	.0119656	.0280838
tsd_mie_exp	-.0082356	.0077281	-1.07	0.287	-.0233825	.0069112
tsd_mie_mis	-.0102272	.004229	-2.42	0.016	-.0185158	-.0019386
tsd_mie_psbl	-.0154225	.0034273	-4.50	0.000	-.0221398	-.0087052
tsd_medicare	-.0152679	.0033535	-4.55	0.000	-.0218405	-.0086952
tsd_medicare_miss	-.0503916	.0122863	-4.10	0.000	-.0744723	-.0263109
tsd_depend_1	-.0151521	.0037331	-4.06	0.000	-.0224688	-.0078354
tsd_depend_2	-.0119174	.0032754	-3.64	0.000	-.0183371	-.0054978
tsd_depend_miss	-.0419413	.0092379	-4.54	0.000	-.0600473	-.0238354
tsd_vrpr	.0079235	.0054997	1.44	0.150	-.0028557	.0187028
tsd_vrpr_miss	-.0407565	.0049813	-8.18	0.000	-.0505197	-.0309934
pdcgrou2	-.0035375	.0041193	-0.86	0.390	-.0116113	.0045363
pdcgrou3	-.0085524	.0050804	-1.68	0.092	-.0185097	.0014049
pdcgrou4	-.0060708	.003718	-1.63	0.103	-.0123579	.0012163
pdcgrou5	.0159155	.0397497	0.40	0.689	-.0619924	.0938234
cohort2000	-.0116229	.005349	-2.17	0.030	-.0221067	-.001139
cohort2001	-.0067598	.0091653	-0.74	0.461	-.0247236	.0112039
cohort2002	-.0006472	.0133877	-0.05	0.961	-.0268865	.0255922
cohort2003	.0766477	.0215521	3.56	0.000	.0344065	.118889
cohort2004	-.0066815	.022059	-0.30	0.762	-.0499165	.0365534
award_b4_tsd	.0238062	.0088367	2.69	0.007	.0064865	.0411258
diaward_tsd	-.0010812	.0004066	-2.66	0.008	-.0018781	-.0002843
epeb4twp_flag	.3103347	.0724177	4.29	0.000	.1683986	.4522708
ldwb4twp_flag	-.1112515	.070451	-1.58	0.114	-.2493328	.0268299
ldwb4epe_flag	.4357711	.0307641	14.16	0.000	.3754746	.4960676
twpb4tsd	.3095292	.0053151	58.24	0.000	.2991118	.3199465
epeb4tsd	-.1656919	.0070591	-23.47	0.000	-.1795274	-.1518563
ldwb4tsd	-.0813691	.0104191	-7.81	0.000	-.1017902	-.060948
st_AL	.0198881	.1132457	0.18	0.861	-.2020694	.2418457
st_AR	-.0121515	.115669	-0.11	0.916	-.2388586	.2145556
st_AZ	.0361114	.0924533	0.39	0.696	-.1450937	.2173164
st_CA	.07316	.0938426	0.78	0.436	-.1107681	.2570881
st_CO	-.0051397	.0964431	-0.05	0.957	-.1941646	.1838853
st_CT	-.0331174	.1160514	-0.29	0.775	-.2605741	.1943392
st_DC	-.0546999	.1714094	-0.32	0.750	-.3906561	.2812563
st_DE	-.0531213	.1146099	-0.46	0.643	-.2777526	.1715099
st_FL	-.0043525	.0956729	-0.05	0.964	-.1918679	.1831629
st_GA	-.0346703	.1078175	-0.32	0.748	-.2459888	.1766482
st_HI	-.1422917	.1600337	-0.89	0.374	-.455952	.1713687

st_IA	-.0501053	.1128632	-0.44	0.657	-.2713131	.1711025
st_ID	.03813	.13612	0.28	0.779	-.2286602	.3049203
st_IL	.054212	.0902313	0.60	0.548	-.1226382	.2310622
st_IN	-.0187274	.1110528	-0.17	0.866	-.2363869	.198932
st_KS	-.0193968	.1134578	-0.17	0.864	-.24177	.2029765
st_KY	.0223693	.1125743	0.20	0.842	-.1982723	.2430109
st_LA	-.0176529	.1235855	-0.14	0.886	-.259876	.2245702
st_MA	.0143682	.0973142	0.15	0.883	-.1763641	.2051004
st_MD	-.0901611	.1227222	-0.73	0.463	-.3306922	.1503701
st_ME	-.0901707	.1361321	-0.66	0.508	-.3569846	.1766432
st_MI	-.0092946	.1010117	-0.09	0.927	-.207274	.1886847
st_MN	-.0371167	.117579	-0.32	0.752	-.2675673	.193334
st_MO	-.0227073	.1056862	-0.21	0.830	-.2298485	.1844339
st_MS	.0857537	.1152125	0.74	0.457	-.1400587	.3115661
st_MT	-.1846902	.2743787	-0.67	0.501	-.7224625	.3530821
st_NC	-.0079063	.1001147	-0.08	0.937	-.2041274	.1883149
st_ND	0	(omitted)				
st_NE	-.1159275	.1292578	-0.90	0.370	-.3692681	.137413
st_NH	-.0808079	.1209778	-0.67	0.504	-.31792	.1563042
st_NJ	.0237755	.100291	0.24	0.813	-.1727912	.2203422
st_NM	-.0396514	.1246343	-0.32	0.750	-.2839301	.2046273
st_NV	-.0041815	.1063691	-0.04	0.969	-.212661	.204298
st_NY	0	(omitted)				
st_OH	-.0369766	.1035743	-0.36	0.721	-.2399786	.1660253
st_OK	-.036649	.1032449	-0.35	0.723	-.2390053	.1657073
st_OR	.0564562	.0903407	0.62	0.532	-.1206084	.2335208
st_PA	-.065486	.1025048	-0.64	0.523	-.2663917	.1354197
st_PR	.1903504	.1587971	1.20	0.231	-.1208862	.501587
st_RI	.0128506	.1377279	0.09	0.926	-.2570911	.2827923
st_SC	-.0065552	.0941826	-0.07	0.945	-.1911497	.1780392
st_SD	.0736547	.1555951	0.47	0.636	-.231306	.3786154
st_TN	-.0326062	.1127921	-0.29	0.773	-.2536747	.1884624
st_TX	.0022856	.0975398	0.02	0.981	-.1888888	.19346
st_UT	.0134278	.1262456	0.11	0.915	-.234009	.2608646
st_VA	-.1094156	.1202665	-0.91	0.363	-.3451336	.1263023
st_VT	-.0493243	.112448	-0.44	0.661	-.2697184	.1710698
st_WA	-.0141144	.1010822	-0.14	0.889	-.2122319	.1840031
st_WI	-.0168372	.0987087	-0.17	0.865	-.2103027	.1766283
st_WV	-.0539445	.1463978	-0.37	0.713	-.340879	.23299
st_WY	-.1353761	.2107727	-0.64	0.521	-.5484831	.2777309
tsd_unemp_mean	-.0371496	.0213446	-1.74	0.082	-.0789842	.0046851
tsd_unemp_cng	-.0341661	.0163828	-2.09	0.037	-.0662758	-.0020564
pial	.0000247	.0000146	1.69	0.091	-3.90e-06	.0000533
pia_miss	-.001852	.0126769	-0.15	0.884	-.0266982	.0229941
ime1	-6.12e-06	4.84e-06	-1.26	0.206	-.0000156	3.37e-06
ime_miss	-.0375769	.0072669	-5.17	0.000	-.0518197	-.0233341
_cons	.4449154	.1791787	2.48	0.013	.0937317	.7960991

eperoll48

mototkt	-.0011887	.0015157	-0.78	0.433	-.0041595	.001782
male	-.0014692	.0028135	-0.52	0.602	-.0069835	.0040451
gendermiss_flag	-.0397165	.1977312	-0.20	0.841	-.4272625	.3478294
tsd_age	-.003549	.0003471	-10.23	0.000	-.0042292	-.0028688
doage2	-.0002605	.0003155	-0.83	0.409	-.0008789	.0003578
doage2miss_flag	.2593835	.1614841	1.61	0.108	-.0571195	.5758865
race_a	-.0014988	.012081	-0.12	0.901	-.0251772	.0221795
race_b	.0223396	.0038908	5.74	0.000	.0147138	.0299655
race_h	-.002416	.0054035	-0.45	0.655	-.0130066	.0081746
race_i	-.00618	.0143591	-0.43	0.667	-.0343234	.0219634
race_o	-.0371219	.0164385	-2.26	0.024	-.0693407	-.004903
race_mis	.0006521	.0114362	0.06	0.955	-.0217624	.0230666
tsd_edu_hs	.0055766	.0039314	1.42	0.156	-.0021288	.013282
tsd_edu_mrhs	.0279729	.0046176	6.06	0.000	.0189225	.0370232

tsd_edu_mis	.0215208	.0045539	4.73	0.000	.0125954	.0304461
tsd_mie_exp	-.0001052	.0085589	-0.01	0.990	-.0168802	.0166699
tsd_mie_mis	-.008922	.0046836	-1.90	0.057	-.0181016	.0002576
tsd_mie_psbl	-.0156011	.0037957	-4.11	0.000	-.0230405	-.0081617
tsd_medicare	-.0173079	.0037139	-4.66	0.000	-.0245871	-.0100287
tsd_medicare_mis	-.0653177	.013607	-4.80	0.000	-.091987	-.0386484
tsd_depend_1	-.0168532	.0041344	-4.08	0.000	-.0249564	-.00875
tsd_depend_2	-.0082274	.0036275	-2.27	0.023	-.0153371	-.0011177
tsd_depend_mis	-.0579202	.010231	-5.66	0.000	-.0779725	-.0378679
tsd_vrpr	-.005272	.0060909	-0.87	0.387	-.01721	.006666
tsd_vrpr_mis	-.0674646	.0055167	-12.23	0.000	-.0782772	-.056652
pdcgrou2	-.0087056	.0045622	-1.91	0.056	-.0176473	.000236
pdcgrou3	-.0112461	.0056265	-2.00	0.046	-.0222738	-.0002184
pdcgrou4	-.0101855	.0041176	-2.47	0.013	-.018256	-.0021151
pdcgrou5	.0265478	.0440226	0.60	0.546	-.0597349	.1128305
cohort2000	-.0085323	.005924	-1.44	0.150	-.0201431	.0030786
cohort2001	-.0021679	.0101506	-0.21	0.831	-.0220626	.0177269
cohort2002	-.0043581	.0148268	-0.29	0.769	-.0334181	.0247019
cohort2003	.0971549	.0238688	4.07	0.000	.0503728	.1439369
cohort2004	.0130095	.0244303	0.53	0.594	-.034873	.060892
award_b4_tsd	.0393818	.0097866	4.02	0.000	.0202004	.0585633
diaward_tsd	-.0011627	.0004503	-2.58	0.010	-.0020453	-.0002801
epeb4twp_flag	.3147782	.0802023	3.92	0.000	.1575846	.4719719
ldwb4twp_flag	-.1392276	.0780242	-1.78	0.074	-.2921522	.0136969
ldwb4epe_flag	.5468828	.0340711	16.05	0.000	.4801046	.6136609
twpb4tsd	.320985	.0058864	54.53	0.000	.3094478	.3325221
epeb4tsd	-.1906229	.0078179	-24.38	0.000	-.2059458	-.1753001
ldwb4tsd	-.0923549	.0115391	-8.00	0.000	-.1149712	-.0697386
st_AL	.0256682	.1254192	0.20	0.838	-.2201489	.2714853
st_AR	-.0028298	.128103	-0.02	0.982	-.253907	.2482474
st_AZ	.0679055	.1023916	0.66	0.507	-.1327784	.2685893
st_CA	.0868544	.1039303	0.84	0.403	-.1168452	.2905541
st_CO	.0232921	.1068103	0.22	0.827	-.1860523	.2326365
st_CT	.0499466	.1285265	0.39	0.698	-.2019608	.3018539
st_DC	-.0461539	.1898352	-0.24	0.808	-.418224	.3259163
st_DE	-.0299556	.12693	-0.24	0.813	-.2787338	.2188225
st_FL	.0309139	.1059573	0.29	0.770	-.1767587	.2385864
st_GA	.0064281	.1194075	0.05	0.957	-.2276062	.2404625
st_HI	-.1256179	.1772367	-0.71	0.478	-.4729954	.2217597
st_IA	-.0302744	.1249955	-0.24	0.809	-.2752611	.2147124
st_ID	.0478976	.1507523	0.32	0.751	-.2475716	.3433667
st_IL	.0845272	.0999309	0.85	0.398	-.1113337	.2803881
st_IN	-.0083853	.1229905	-0.07	0.946	-.2494423	.2326716
st_KS	.0370942	.1256541	0.30	0.768	-.2091832	.2833717
st_KY	.0369253	.1246756	0.30	0.767	-.2074344	.281285
st_LA	-.0023253	.1368704	-0.02	0.986	-.2705864	.2659358
st_MA	.0438757	.1077751	0.41	0.684	-.1673595	.2551109
st_MD	-.0850617	.1359144	-0.63	0.531	-.3514489	.1813256
st_ME	-.0924551	.1507657	-0.61	0.540	-.3879504	.2030403
st_MI	.025786	.1118701	0.23	0.818	-.1934753	.2450474
st_MN	-.0321469	.1302183	-0.25	0.805	-.28737	.2230763
st_MO	.0040142	.1170471	0.03	0.973	-.2253938	.2334222
st_MS	.0973767	.1275974	0.76	0.445	-.1527096	.347463
st_MT	-.209394	.3038733	-0.69	0.491	-.8049746	.3861867
st_NC	.0095968	.1108766	0.09	0.931	-.2077173	.226911
st_ND	0	(omitted)				
st_NE	-.0524669	.1431524	-0.37	0.714	-.3330405	.2281067
st_NH	-.0765892	.1339824	-0.57	0.568	-.3391899	.1860115
st_NJ	.0326538	.1110719	0.29	0.769	-.1850431	.2503506
st_NM	-.0276383	.1380319	-0.20	0.841	-.2981759	.2428994
st_NV	.008158	.1178033	0.07	0.945	-.2227323	.2390482
st_NY	0	(omitted)				
st_OH	-.0277971	.1147082	-0.24	0.809	-.252621	.1970268

st_OK	-.0110874	.1143433	-0.10	0.923	-.2351962	.2130214
st_OR	.0960172	.100052	0.96	0.337	-.1000811	.2921155
st_PA	-.0605132	.1135237	-0.53	0.594	-.2830155	.161989
st_PR	.2227021	.1758671	1.27	0.205	-.1219911	.5673954
st_RI	.1532827	.1525331	1.00	0.315	-.1456767	.4522421
st_SC	.0204103	.1043068	0.20	0.845	-.1840273	.224848
st_SD	.0828886	.1723209	0.48	0.631	-.2548542	.4206313
st_TN	.0613822	.1249168	0.49	0.623	-.1834503	.3062147
st_TX	.013703	.1080249	0.13	0.899	-.1980218	.2254279
st_UT	.0143963	.1398165	0.10	0.918	-.2596389	.2884316
st_VA	-.1067467	.1331946	-0.80	0.423	-.3678034	.15431
st_VT	-.0137648	.1245358	-0.11	0.912	-.2578504	.2303208
st_WA	.0002125	.1119481	0.00	0.998	-.2192018	.2196269
st_WI	.0154454	.1093195	0.14	0.888	-.1988168	.2297077
st_WV	-.0502894	.162135	-0.31	0.756	-.3680682	.2674895
st_WY	-.1328516	.23343	-0.57	0.569	-.5903659	.3246627
tsd_unemp_mean	-.0403834	.0236391	-1.71	0.088	-.0867152	.0059483
tsd_unemp_cng	-.0230992	.0181439	-1.27	0.203	-.0586605	.0124621
pial	.0000351	.0000162	2.17	0.030	3.38e-06	.0000668
pia_miss	.0144955	.0140396	1.03	0.302	-.0130215	.0420126
ime1	-.0000106	5.36e-06	-1.97	0.048	-.0000211	-7.35e-08
ime_miss	-.0556462	.008048	-6.91	0.000	-.0714201	-.0398724
_cons	.4989639	.1984396	2.51	0.012	.1100294	.8878985

Endogenous variables: eperoll12 eperoll24 eperoll36 eperoll48 mototkt

Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
epb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epb4tsd ldwb4tsd
st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss imm1 imm3 imm4

(1) 12*[eperoll12]mototkt + 12*[eperoll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0213713	.0221016	-0.97	0.334	-.0646896 .0219469

(1) 12*[eperoll12]mototkt + 12*[eperoll24]mototkt + 12*[eperoll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0474297	.036034	-1.32	0.188	-.1180551 .0231956

(1) 12*[eperoll12]mototkt + 12*[eperoll24]mototkt + 12*[eperoll36]mototkt +
12*[eperoll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0616947	.051629	-1.19	0.232	-.1628857 .0394964

phase 1 NO NY dependent variable: twproll, unemployment: unemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
twproll12	43043	97	.1992809	0.0265	1170.75	0.0000
twproll24	43043	97	.2529982	0.0426	1913.93	0.0000
twproll36	43043	97	.2862176	0.0544	2475.30	0.0000
twproll48	43043	97	.3084053	0.0633	2909.43	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
twproll12					
mototkt	-.0007839	.0010807	-0.73	0.468	-.0029019 .0013342
male	-.0015514	.0020059	-0.77	0.439	-.0054829 .00238
gendermiss_flag	-.0304978	.1409743	-0.22	0.829	-.3068023 .2458067
tsd_age	-.0016754	.0002474	-6.77	0.000	-.0021604 -.0011904
doage2	.000015	.0002249	0.07	0.947	-.0004259 .0004559
doage2miss_flag	-.0447396	.1151316	-0.39	0.698	-.2703934 .1809142
race_a	.0007961	.0086133	0.09	0.926	-.0160856 .0176778
race_b	.0057807	.002774	2.08	0.037	.0003438 .0112177
race_h	.0023067	.0038525	0.60	0.549	-.005244 .0098574
race_i	-.0158026	.0102375	-1.54	0.123	-.0358677 .0042625
race_o	-.0217852	.01172	-1.86	0.063	-.0447559 .0011855
race_mis	.0061707	.0081535	0.76	0.449	-.0098099 .0221514
tsd_edu_hs	.0020056	.0028029	0.72	0.474	-.003488 .0074993
tsd_edu_mrhs	.0166449	.0032922	5.06	0.000	.0101924 .0230975
tsd_edu_mis	.0065405	.0032467	2.01	0.044	.000177 .0129039
tsd_mie_exp	.0045643	.0061021	0.75	0.454	-.0073956 .0165243
tsd_mie_mis	-.00928	.0033392	-2.78	0.005	-.0158247 -.0027353
tsd_mie_psbl	.0030337	.0027062	1.12	0.262	-.0022703 .0083377
tsd_medicare	-.0157747	.0026479	-5.96	0.000	-.0209644 -.0105849
tsd_medicare_miss	-.0375156	.0097013	-3.87	0.000	-.0565297 -.0185015
tsd_depend_1	-.0089101	.0029476	-3.02	0.003	-.0146873 -.0031328
tsd_depend_2	-.0005108	.0025862	-0.20	0.843	-.0055797 .0045581
tsd_depend_miss	-.0303433	.0072943	-4.16	0.000	-.0446398 -.0160468
tsd_vrpr	-.0122	.0043426	-2.81	0.005	-.0207113 -.0036886
tsd_vrpr_miss	-.035534	.0039332	-9.03	0.000	-.0432429 -.027825
pdcgroup2	-.0177023	.0032526	-5.44	0.000	-.0240774 -.0113273
pdcgroup3	-.013423	.0040114	-3.35	0.001	-.0212853 -.0055607
pdcgroup4	-.0127915	.0029357	-4.36	0.000	-.0185454 -.0070376
pdcgroup5	-.0032683	.0313863	-0.10	0.917	-.0647844 .0582477
cohort2000	-.0110423	.0042236	-2.61	0.009	-.0193203 -.0027643
cohort2001	-.0179561	.0072369	-2.48	0.013	-.0321403 -.003772
cohort2002	-.0138084	.0105709	-1.31	0.191	-.034527 .0069102
cohort2003	-.0322142	.0170175	-1.89	0.058	-.0655678 .0011395
cohort2004	-.0413075	.0174178	-2.37	0.018	-.0754458 -.0071693
award_b4_tsd	.0122114	.0069775	1.75	0.080	-.0014642 .025887
diaward_tsd	-.0008547	.0003211	-2.66	0.008	-.001484 -.0002255
epeb4twp_flag	.025316	.057181	0.44	0.658	-.0867567 .1373887
ldwb4twp_flag	.0046826	.0556281	0.08	0.933	-.1043464 .1137115
ldwb4epe_flag	.1369124	.0242913	5.64	0.000	.0893023 .1845225
twpb4tsd	-.0473903	.0041968	-11.29	0.000	-.0556158 -.0391648
epeb4tsd	-.0332217	.0055739	-5.96	0.000	-.0441463 -.0222971
ldwb4tsd	-.0138969	.0082269	-1.69	0.091	-.0300214 .0022277
st_AL	-.0377942	.0894188	-0.42	0.673	-.2130518 .1374634
st_AR	-.0806213	.0913322	-0.88	0.377	-.2596292 .0983865

st_AZ	-.0009801	.0730011	-0.01	0.989	-.1440596	.1420993
st_CA	.0368136	.0740981	0.50	0.619	-.108416	.1820432
st_CO	-.0298491	.0761514	-0.39	0.695	-.1791031	.119405
st_CT	-.1194113	.0916342	-1.30	0.193	-.299011	.0601884
st_DC	-.02953	.1353448	-0.22	0.827	-.2948009	.2357409
st_DE	-.1005812	.0904959	-1.11	0.266	-.2779499	.0767875
st_FL	-.0235503	.0755433	-0.31	0.755	-.1716124	.1245118
st_GA	-.0392388	.0851327	-0.46	0.645	-.2060958	.1276182
st_HI	-.1631945	.1263626	-1.29	0.197	-.4108606	.0844716
st_IA	-.1017864	.0891167	-1.14	0.253	-.276452	.0728792
st_ID	-.0650633	.1074803	-0.61	0.545	-.2757208	.1455942
st_IL	.0301793	.0712466	0.42	0.672	-.1094616	.1698201
st_IN	-.0880451	.0876872	-1.00	0.315	-.259909	.0838187
st_KS	-.0834339	.0895862	-0.93	0.352	-.2590198	.0921519
st_KY	-.0062398	.0888887	-0.07	0.944	-.1804583	.1679788
st_LA	.057193	.097583	0.59	0.558	-.1340663	.2484522
st_MA	-.0251607	.0768392	-0.33	0.743	-.1757628	.1254414
st_MD	-.1240837	.0969014	-1.28	0.200	-.314007	.0658396
st_ME	-.1222667	.1074898	-1.14	0.255	-.3329429	.0884094
st_MI	.0177579	.0797588	0.22	0.824	-.1385665	.1740823
st_MN	-.0844777	.0928403	-0.91	0.363	-.2664415	.097486
st_MO	-.0335867	.0834498	-0.40	0.687	-.1971453	.1299719
st_MS	.0453339	.0909718	0.50	0.618	-.1329675	.2236353
st_MT	-.190493	.2166493	-0.88	0.379	-.6151178	.2341318
st_NC	.0040857	.0790505	0.05	0.959	-.1508504	.1590219
st_ND	0	(omitted)				
st_NE	-.1408527	.1020619	-1.38	0.168	-.3408903	.0591849
st_NH	-.0922347	.095524	-0.97	0.334	-.2794583	.0949889
st_NJ	-.0340253	.0791897	-0.43	0.667	-.1892344	.1211837
st_NM	.0303464	.0984112	0.31	0.758	-.162536	.2232287
st_NV	-.0303177	.083989	-0.36	0.718	-.1949331	.1342976
st_NY	0	(omitted)				
st_OH	-.0308219	.0817823	-0.38	0.706	-.1911122	.1294684
st_OK	-.0706946	.0815221	-0.87	0.386	-.2304751	.0890858
st_OR	.0527432	.071333	0.74	0.460	-.0870669	.1925533
st_PA	-.0595994	.0809378	-0.74	0.462	-.2182345	.0990357
st_PR	.2987844	.1253861	2.38	0.017	.0530321	.5445367
st_RI	-.0916173	.1087499	-0.84	0.400	-.3047631	.1215286
st_SC	-.0278038	.0743665	-0.37	0.708	-.1735595	.1179519
st_SD	-.1597463	.1228578	-1.30	0.194	-.4005432	.0810506
st_TN	-.0607981	.0890606	-0.68	0.495	-.2353537	.1137575
st_TX	-.0203653	.0770174	-0.26	0.791	-.1713165	.1305859
st_UT	-.0447725	.0996835	-0.45	0.653	-.2401485	.1506035
st_VA	-.1266139	.0949624	-1.33	0.182	-.3127367	.0595089
st_VT	-.0859412	.0887889	-0.97	0.333	-.2599643	.0880819
st_WA	.0138037	.0798145	0.17	0.863	-.1426298	.1702372
st_WI	-.0496306	.0779404	-0.64	0.524	-.2023909	.1031297
st_WV	-.0481311	.1155957	-0.42	0.677	-.2746945	.1784322
st_WY	-.1668123	.1664261	-1.00	0.316	-.4930014	.1593768
tsd_unemp_mean	-.0479949	.0168537	-2.85	0.004	-.0810275	-.0149623
tsd_unemp_cng	-.0252193	.0129358	-1.95	0.051	-.0505731	.0001345
pia1	.0000324	.0000115	2.81	0.005	9.85e-06	.000055
pia_miss	.0313152	.0100096	3.13	0.002	.0116967	.0509337
ime1	-.0000121	3.82e-06	-3.16	0.002	-.0000196	-4.59e-06
ime_miss	-.0323189	.0057379	-5.63	0.000	-.043565	-.0210728
_cons	.466791	.1414794	3.30	0.001	.1894964	.7440855

twproll24						
mototkt	-.0003791	.001372	-0.28	0.782	-.003068	.0023099
male	-.0030965	.0025466	-1.22	0.224	-.0080877	.0018947
gendermiss_flag	-.052045	.1789747	-0.29	0.771	-.4028289	.2987389
tsd_age	-.0028024	.0003141	-8.92	0.000	-.0034181	-.0021867
doage2	-.000119	.0002856	-0.42	0.677	-.0006787	.0004407

doage2miss_flag	-.0757383	.146166	-0.52	0.604	-.3622184	.2107417
race_a	.0044943	.010935	0.41	0.681	-.0169379	.0259266
race_b	.0111117	.0035217	3.16	0.002	.0042093	.0180142
race_h	.0013738	.0048909	0.28	0.779	-.0082122	.0109598
race_i	-.0181821	.0129971	-1.40	0.162	-.0436559	.0072917
race_o	-.0275327	.0148791	-1.85	0.064	-.0566953	.0016299
race_mis	.0015154	.0103514	0.15	0.884	-.0187729	.0218037
tsd_edu_hs	.0051927	.0035585	1.46	0.144	-.0017818	.0121672
tsd_edu_mrhs	.0233127	.0041796	5.58	0.000	.0151208	.0315045
tsd_edu_mis	.0082739	.0041219	2.01	0.045	.0001952	.0163527
tsd_mie_exp	-.000441	.007747	-0.06	0.955	-.0156248	.0147428
tsd_mie_mis	-.0073982	.0042393	-1.75	0.081	-.0157071	.0009106
tsd_mie_psbl	.0026717	.0034356	0.78	0.437	-.0040619	.0094054
tsd_medicare	-.0228594	.0033616	-6.80	0.000	-.0294481	-.0162707
tsd_medicare_miss	-.0612414	.0123163	-4.97	0.000	-.0853808	-.0371019
tsd_depend_1	-.0084157	.0037422	-2.25	0.025	-.0157503	-.0010812
tsd_depend_2	-.0005979	.0032834	-0.18	0.855	-.0070332	.0058374
tsd_depend_miss	-.0486867	.0092605	-5.26	0.000	-.0668369	-.0305366
tsd_vrpr	-.0384503	.0055132	-6.97	0.000	-.0492559	-.0276447
tsd_vrpr_miss	-.07521	.0049934	-15.06	0.000	-.0849969	-.065423
pdcgroup2	-.0275761	.0041294	-6.68	0.000	-.0356695	-.0194826
pdcgroup3	-.0233043	.0050928	-4.58	0.000	-.0332859	-.0133227
pdcgroup4	-.0221932	.0037271	-5.95	0.000	-.0294981	-.0148883
pdcgroup5	.0030939	.0398467	0.08	0.938	-.0750041	.0811919
cohort2000	-.0111296	.0053621	-2.08	0.038	-.021639	-.0006201
cohort2001	-.0162118	.0091877	-1.76	0.078	-.0342194	.0017957
cohort2002	-.0131769	.0134204	-0.98	0.326	-.0394804	.0131265
cohort2003	.0086749	.0216047	0.40	0.688	-.0336694	.0510193
cohort2004	-.0484926	.0221129	-2.19	0.028	-.091833	-.0051521
award_b4_tsd	.0263079	.0088583	2.97	0.003	.008946	.0436699
diaward_tsd	-.0008989	.0004076	-2.21	0.027	-.0016978	-.0001001
epeb4twp_flag	.0637255	.0725945	0.88	0.380	-.078557	.206008
ldwb4twp_flag	.013044	.0706229	0.18	0.853	-.1253743	.1514624
ldwb4epe_flag	.2694941	.0308392	8.74	0.000	.2090504	.3299377
twpb4tsd	-.0785976	.005328	-14.75	0.000	-.0890403	-.0681548
epeb4tsd	-.0560017	.0070763	-7.91	0.000	-.0698711	-.0421323
ldwb4tsd	-.0248366	.0104446	-2.38	0.017	-.0453076	-.0043656
st_AL	.001092	.1135221	0.01	0.992	-.2214073	.2235913
st_AR	.0244645	.1159513	0.21	0.833	-.2027959	.2517249
st_AZ	.0716704	.0926789	0.77	0.439	-.1099769	.2533178
st_CA	.0732948	.0940716	0.78	0.436	-.1110822	.2576719
st_CO	.0391594	.0966785	0.41	0.685	-.1503269	.2286457
st_CT	-.0054894	.1163347	-0.05	0.962	-.2335012	.2225224
st_DC	-.0147596	.1718277	-0.09	0.932	-.3515357	.3220166
st_DE	-.0013815	.1148896	-0.01	0.990	-.2265609	.223798
st_FL	.0449691	.0959064	0.47	0.639	-.143004	.2329421
st_GA	.0463944	.1080807	0.43	0.668	-.1654398	.2582287
st_HI	-.0996816	.1604243	-0.62	0.534	-.4141075	.2147442
st_IA	-.0124311	.1131387	-0.11	0.913	-.2341787	.2093166
st_ID	-.0131867	.1364522	-0.10	0.923	-.2806281	.2542547
st_IL	.0819168	.0904516	0.91	0.365	-.095365	.2591986
st_IN	.0007446	.1113238	0.01	0.995	-.2174461	.2189353
st_KS	.0111949	.1137347	0.10	0.922	-.2117211	.2341108
st_KY	.0374533	.1128491	0.33	0.740	-.1837268	.2586334
st_LA	.1074106	.1238871	0.87	0.386	-.1354036	.3502249
st_MA	.0496677	.0975517	0.51	0.611	-.1415301	.2408655
st_MD	-.0670055	.1230217	-0.54	0.586	-.3081237	.1741127
st_ME	-.0666279	.1364643	-0.49	0.625	-.334093	.2008372
st_MI	.0459901	.1012583	0.45	0.650	-.1524725	.2444526
st_MN	.0114718	.117866	0.10	0.922	-.2195413	.2424849
st_MO	.0119611	.1059442	0.11	0.910	-.1956857	.2196078
st_MS	.0690711	.1154937	0.60	0.550	-.1572924	.2954346
st_MT	-.1862253	.2750483	-0.68	0.498	-.7253101	.3528595

st_NC	.0589243	.100359	0.59	0.557	-.1377758	.2556244
st_ND	0	(omitted)				
st_NE	-.0596927	.1295732	-0.46	0.645	-.3136515	.1942662
st_NH	-.0276092	.121273	-0.23	0.820	-.2653	.2100816
st_NJ	.0615492	.1005358	0.61	0.540	-.1354972	.2585957
st_NM	.0704912	.1249384	0.56	0.573	-.1743837	.3153661
st_NV	.0043058	.1066287	0.04	0.968	-.2046825	.2132942
st_NY	0	(omitted)				
st_OH	.0063613	.1038271	0.06	0.951	-.1971361	.2098588
st_OK	.0071803	.1034969	0.07	0.945	-.1956699	.2100305
st_OR	.0867729	.0905612	0.96	0.338	-.0907238	.2642696
st_PA	.0019525	.102755	0.02	0.985	-.1994436	.2033485
st_PR	.2374183	.1591847	1.49	0.136	-.0745779	.5494145
st_RI	.0888675	.138064	0.64	0.520	-.1817331	.359468
st_SC	.0305398	.0944124	0.32	0.746	-.1545052	.2155848
st_SD	-.0652859	.1559748	-0.42	0.676	-.3709909	.2404191
st_TN	.0681386	.1130674	0.60	0.547	-.1534695	.2897467
st_TX	.0093523	.0977778	0.10	0.924	-.1822887	.2009933
st_UT	.0972313	.1265537	0.77	0.442	-.1508094	.345272
st_VA	-.0249899	.12056	-0.21	0.836	-.2612832	.2113033
st_VT	-.0004874	.1127225	-0.00	0.997	-.2214195	.2204446
st_WA	.0235804	.1013289	0.23	0.816	-.1750206	.2221814
st_WI	.022121	.0989496	0.22	0.823	-.1718167	.2160587
st_WV	-.0245579	.1467551	-0.17	0.867	-.3121927	.2630769
st_WY	-.1107156	.2112872	-0.52	0.600	-.5248309	.3033996
tsd_unemp_mean	-.0317473	.0213967	-1.48	0.138	-.073684	.0101895
tsd_unemp_cng	-.0174155	.0164228	-1.06	0.289	-.0496035	.0147726
pial	.0000477	.0000146	3.26	0.001	.000019	.0000764
pia_miss	.0391354	.0127078	3.08	0.002	.0142285	.0640422
ime1	-.0000166	4.85e-06	-3.41	0.001	-.0000261	-7.04e-06
ime_miss	-.0509889	.0072846	-7.00	0.000	-.0652665	-.0367113
_cons	.4210701	.179616	2.34	0.019	.0690292	.7731109

twproll36						
mototkt	-.000122	.0015521	-0.08	0.937	-.0031641	.00292
male	-.0028581	.002881	-0.99	0.321	-.0085046	.0027885
gendermiss_flag	-.0712944	.2024746	-0.35	0.725	-.4681372	.3255484
tsd_age	-.0035569	.0003554	-10.01	0.000	-.0042534	-.0028603
doage2	-.0002295	.0003231	-0.71	0.477	-.0008627	.0004037
doage2miss_flag	-.0978146	.165358	-0.59	0.554	-.4219103	.226281
race_a	.0045258	.0123708	0.37	0.714	-.0197206	.0287721
race_b	.0154078	.0039841	3.87	0.000	.007599	.0232166
race_h	.0023152	.0055331	0.42	0.676	-.0085295	.0131599
race_i	-.0115313	.0147036	-0.78	0.433	-.0403499	.0172872
race_o	-.0382559	.0168328	-2.27	0.023	-.0712476	-.0052641
race_mis	.0019076	.0117105	0.16	0.871	-.0210447	.0248598
tsd_edu_hs	.0095711	.0040257	2.38	0.017	.0016809	.0174614
tsd_edu_mrhs	.0314619	.0047284	6.65	0.000	.0221944	.0407293
tsd_edu_mis	.0080383	.0046631	1.72	0.085	-.0011012	.0171778
tsd_mie_exp	.0055889	.0087642	0.64	0.524	-.0115886	.0227664
tsd_mie_mis	-.0067496	.0047959	-1.41	0.159	-.0161494	.0026502
tsd_mie_psbl	.0058439	.0038867	1.50	0.133	-.0017739	.0134617
tsd_medicare	-.028723	.003803	-7.55	0.000	-.0361769	-.0212692
tsd_medicare_miss	-.0789035	.0139334	-5.66	0.000	-.1062126	-.0515945
tsd_depend_1	-.0072587	.0042335	-1.71	0.086	-.0155563	.0010388
tsd_depend_2	.0040529	.0037145	1.09	0.275	-.0032274	.0113331
tsd_depend_miss	-.0659708	.0104764	-6.30	0.000	-.0865042	-.0454375
tsd_vrpr	-.0563161	.006237	-9.03	0.000	-.0685405	-.0440917
tsd_vrpr_miss	-.1061682	.0056491	-18.79	0.000	-.1172403	-.0950962
pdcgrou2	-.0348286	.0046716	-7.46	0.000	-.0439847	-.0256724
pdcgrou3	-.0261	.0057614	-4.53	0.000	-.0373922	-.0148077
pdcgrou4	-.0299701	.0042164	-7.11	0.000	-.0382341	-.021706
pdcgrou5	.0080726	.0450786	0.18	0.858	-.0802799	.0964251

cohort2000	-.0109031	.0060661	-1.80	0.072	-.0227924	.0009863
cohort2001	-.01461	.0103941	-1.41	0.160	-.034982	.005762
cohort2002	-.0151742	.0151825	-1.00	0.318	-.0449314	.0145829
cohort2003	.0481572	.0244414	1.97	0.049	.0002529	.0960615
cohort2004	-.0227905	.0250164	-0.91	0.362	-.0718217	.0262406
award_b4_tsd	.0318447	.0100214	3.18	0.001	.0122031	.0514863
diaward_tsd	-.000912	.0004611	-1.98	0.048	-.0018158	-8.26e-06
epeb4twp_flag	.2267753	.0821263	2.76	0.006	.0658107	.3877399
ldwb4twp_flag	.0293527	.0798959	0.37	0.713	-.1272404	.1859458
ldwb4epe_flag	.3515533	.0348884	10.08	0.000	.2831732	.4199334
twpb4tsd	-.1036506	.0060276	-17.20	0.000	-.1154645	-.0918367
epeb4tsd	-.0735037	.0080055	-9.18	0.000	-.0891942	-.0578133
ldwb4tsd	-.0312348	.011816	-2.64	0.008	-.0543937	-.008076
st_AL	.0133608	.1284279	0.10	0.917	-.2383533	.2650748
st_AR	.0400063	.1311761	0.30	0.760	-.2170941	.2971066
st_AZ	.1142094	.1048479	1.09	0.276	-.0912887	.3197076
st_CA	.1235033	.1064235	1.16	0.246	-.0850829	.3320896
st_CO	.078239	.1093726	0.72	0.474	-.1361274	.2926054
st_CT	.0406924	.1316098	0.31	0.757	-.217258	.2986428
st_DC	-.0015435	.1943892	-0.01	0.994	-.3825393	.3794523
st_DE	.0378914	.1299749	0.29	0.771	-.2168548	.2926376
st_FL	.0880949	.1084992	0.81	0.417	-.1245595	.3007494
st_GA	.0830605	.122272	0.68	0.497	-.1565881	.3227092
st_HI	-.083285	.1814885	-0.46	0.646	-.4389959	.2724258
st_IA	.0305576	.1279941	0.24	0.811	-.2203062	.2814213
st_ID	.0099466	.1543688	0.06	0.949	-.2926106	.3125038
st_IL	.1182975	.1023281	1.16	0.248	-.0822619	.3188569
st_IN	.0209668	.125941	0.17	0.868	-.2258729	.2678066
st_KS	.0776071	.1286684	0.60	0.546	-.1745783	.3297926
st_KY	.057764	.1276665	0.45	0.651	-.1924577	.3079857
st_LA	.1370079	.1401538	0.98	0.328	-.1376886	.4117043
st_MA	.0944471	.1103605	0.86	0.392	-.1218555	.3107497
st_MD	-.04837	.1391748	-0.35	0.728	-.3211477	.2244077
st_ME	-.0520081	.1543825	-0.34	0.736	-.3545922	.2505759
st_MI	.1408354	.1145538	1.23	0.219	-.0836858	.3653567
st_MN	.0265337	.1333421	0.20	0.842	-.2348121	.2878794
st_MO	.0270086	.1198549	0.23	0.822	-.2079028	.2619199
st_MS	.0811125	.1306584	0.62	0.535	-.1749732	.3371982
st_MT	.7986764	.3111629	2.57	0.010	.1888083	1.408545
st_NC	.0766242	.1135364	0.67	0.500	-.1459031	.2991516
st_ND	0	(omitted)				
st_NE	.0201274	.1465866	0.14	0.891	-.267177	.3074317
st_NH	-.0015585	.1371965	-0.01	0.991	-.2704588	.2673418
st_NJ	.0974106	.1137364	0.86	0.392	-.1255086	.3203298
st_NM	.0860896	.1413432	0.61	0.542	-.190938	.3631172
st_NV	.0910002	.1206293	0.75	0.451	-.1454289	.3274293
st_NY	0	(omitted)				
st_OH	.0235474	.1174599	0.20	0.841	-.2066698	.2537647
st_OK	.0499529	.1170863	0.43	0.670	-.1795321	.2794379
st_OR	.1237628	.1024522	1.21	0.227	-.0770397	.3245654
st_PA	.0175684	.116247	0.15	0.880	-.2102715	.2454083
st_PR	.2439849	.180086	1.35	0.175	-.1089772	.5969471
st_RI	.1007023	.1561922	0.64	0.519	-.2054289	.4068335
st_SC	.0650506	.1068091	0.61	0.543	-.1442914	.2743925
st_SD	-.0333969	.1764547	-0.19	0.850	-.3792418	.3124481
st_TN	.1667551	.1279135	1.30	0.192	-.0839508	.4174609
st_TX	.0270254	.1106163	0.24	0.807	-.1897785	.2438294
st_UT	.10732	.1431706	0.75	0.453	-.1732891	.3879291
st_VA	-.0066423	.1363899	-0.05	0.961	-.2739615	.2606769
st_VT	.0482759	.1275233	0.38	0.705	-.2016651	.2982169
st_WA	.0373286	.1146337	0.33	0.745	-.1873493	.2620065
st_WI	.0602283	.111942	0.54	0.591	-.1591739	.2796306
st_WV	-.0179614	.1660245	-0.11	0.914	-.3433635	.3074406

st_WY	-.097877	.2390298	-0.41	0.682	-.5663668	.3706127
tsd_unemp_mean	-.0303778	.0242061	-1.25	0.209	-.077821	.0170654
tsd_unemp_cng	-.0165894	.0185791	-0.89	0.372	-.0530038	.019825
pia1	.0000704	.0000166	4.25	0.000	.000038	.0001029
pia_miss	.0676988	.0143764	4.71	0.000	.0395217	.095876
ime1	-.000023	5.49e-06	-4.20	0.000	-.0000338	-.0000123
ime_miss	-.0680524	.0082411	-8.26	0.000	-.0842046	-.0519001
_cons	.446699	.2032	2.20	0.028	.0484342	.8449638

twproll48						
mototkt	.0004136	.0016724	0.25	0.805	-.0028643	.0036915
male	-.0046472	.0031043	-1.50	0.134	-.0107315	.0014371
gendermiss_flag	-.0851551	.2181705	-0.39	0.696	-.5127614	.3424512
tsd_age	-.0043569	.0003829	-11.38	0.000	-.0051074	-.0036064
doage2	-7.68e-06	.0003481	-0.02	0.982	-.00069	.0006746
doage2miss_flag	-.1103319	.1781766	-0.62	0.536	-.4595516	.2388879
race_a	-.0030774	.0133298	-0.23	0.817	-.0292033	.0230486
race_b	.019288	.004293	4.49	0.000	.0108739	.0277021
race_h	-9.21e-06	.005962	-0.00	0.999	-.0116946	.0116761
race_i	-.0194086	.0158434	-1.23	0.221	-.0504612	.0116439
race_o	-.0397119	.0181377	-2.19	0.029	-.0752611	-.0041626
race_mis	-.0089061	.0126183	-0.71	0.480	-.0336376	.0158254
tsd_edu_hs	.0092641	.0043378	2.14	0.033	.0007622	.017766
tsd_edu_mrhs	.0345451	.0050949	6.78	0.000	.0245592	.044531
tsd_edu_mis	.0086574	.0050246	1.72	0.085	-.0011906	.0185054
tsd_mie_exp	.0037022	.0094436	0.39	0.695	-.0148069	.0222113
tsd_mie_mis	-.0057921	.0051677	-1.12	0.262	-.0159205	.0043364
tsd_mie_psbl	.0053432	.004188	1.28	0.202	-.0028652	.0135515
tsd_medicare	-.0320975	.0040978	-7.83	0.000	-.0401292	-.0240659
tsd_medicare_miss	-.0903866	.0150136	-6.02	0.000	-.1198127	-.0609606
tsd_depend_1	-.005345	.0045617	-1.17	0.241	-.0142858	.0035958
tsd_depend_2	.0072723	.0040024	1.82	0.069	-.0005724	.0151169
tsd_depend_miss	-.0713277	.0112885	-6.32	0.000	-.0934528	-.0492026
tsd_vrpr	-.0821056	.0067205	-12.22	0.000	-.0952777	-.0689336
tsd_vrpr_miss	-.1363407	.006087	-22.40	0.000	-.148271	-.1244104
pdcgrou2	-.0388551	.0050337	-7.72	0.000	-.0487211	-.0289892
pdcgrou3	-.025899	.0062081	-4.17	0.000	-.0380667	-.0137314
pdcgrou4	-.0337023	.0045433	-7.42	0.000	-.042607	-.0247977
pdcgrou5	-.0036185	.0485732	-0.07	0.941	-.0988202	.0915831
cohort2000	-.0110953	.0065364	-1.70	0.090	-.0239063	.0017157
cohort2001	-.0190662	.0111998	-1.70	0.089	-.0410174	.0028851
cohort2002	-.0229585	.0163594	-1.40	0.161	-.0550225	.0091054
cohort2003	.0627696	.0263361	2.38	0.017	.0111517	.1143875
cohort2004	-.0062502	.0269557	-0.23	0.817	-.0590823	.0465819
award_b4_tsd	.0419342	.0107983	3.88	0.000	.0207699	.0630984
diaward_tsd	-.0009052	.0004969	-1.82	0.068	-.001879	.0000687
epeb4twp_flag	.4285888	.0884928	4.84	0.000	.2551462	.6020315
ldwb4twp_flag	-.0272461	.0860895	-0.32	0.752	-.1959783	.1414862
ldwb4epe_flag	.4100109	.037593	10.91	0.000	.3363299	.4836919
twpb4tsd	-.1239696	.0064949	-19.09	0.000	-.1366993	-.1112399
epeb4tsd	-.0877443	.0086261	-10.17	0.000	-.1046511	-.0708375
ldwb4tsd	-.0386154	.0127319	-3.03	0.002	-.0635695	-.0136612
st_AL	-.0869772	.1383837	-0.63	0.530	-.3582042	.1842499
st_AR	-.0560447	.1413449	-0.40	0.692	-.3330756	.2209862
st_AZ	.0331604	.1129758	0.29	0.769	-.188268	.2545889
st_CA	.0161472	.1146735	0.14	0.888	-.2086087	.2409032
st_CO	-.0071221	.1178512	-0.06	0.952	-.2381062	.2238621
st_CT	-.0203456	.1418122	-0.14	0.886	-.2982924	.2576012
st_DC	.2242513	.2094583	1.07	0.284	-.1862795	.6347821
st_DE	-.0335101	.1400507	-0.24	0.811	-.3080044	.2409841
st_FL	.0049986	.1169101	0.04	0.966	-.2241409	.2341382
st_GA	-.010319	.1317506	-0.08	0.938	-.2685454	.2479073
st_HI	-.1662404	.1955575	-0.85	0.395	-.5495262	.2170453

st_IA	-.030737	.1379162	-0.22	0.824	-.3010479	.2395739
st_ID	-.0832728	.1663355	-0.50	0.617	-.4092844	.2427388
st_IL	.0275426	.1102606	0.25	0.803	-.1885643	.2436494
st_IN	-.0702063	.135704	-0.52	0.605	-.3361812	.1957685
st_KS	-.0172078	.1386429	-0.12	0.901	-.2889428	.2545272
st_KY	-.0376238	.1375633	-0.27	0.784	-.3072428	.2319953
st_LA	.044741	.1510186	0.30	0.767	-.2512501	.340732
st_MA	.0243786	.1189157	0.21	0.838	-.2086919	.2574491
st_MD	-.0782573	.1499638	-0.52	0.602	-.3721809	.2156662
st_ME	-.1424205	.1663503	-0.86	0.392	-.468461	.18362
st_MI	.035681	.123434	0.29	0.773	-.2062452	.2776073
st_MN	-.0621409	.1436789	-0.43	0.665	-.3437463	.2194645
st_MO	-.023606	.1291462	-0.18	0.855	-.2767278	.2295158
st_MS	-.0297866	.1407871	-0.21	0.832	-.3057242	.246151
st_MT	.6790368	.3352844	2.03	0.043	.0218914	1.336182
st_NC	-.0032185	.1223378	-0.03	0.979	-.2429963	.2365593
st_ND	0	(omitted)				
st_NE	-.0564791	.15795	-0.36	0.721	-.3660555	.2530973
st_NH	-.0273834	.1478321	-0.19	0.853	-.317129	.2623622
st_NJ	.0351075	.1225533	0.29	0.775	-.2050926	.2753075
st_NM	-.0120201	.1523002	-0.08	0.937	-.310523	.2864829
st_NV	.0276072	.1299806	0.21	0.832	-.22715	.2823645
st_NY	0	(omitted)				
st_OH	-.0475534	.1265655	-0.38	0.707	-.2956172	.2005103
st_OK	-.0221513	.1261629	-0.18	0.861	-.2694261	.2251235
st_OR	.0362276	.1103943	0.33	0.743	-.1801412	.2525965
st_PA	-.0814535	.1252585	-0.65	0.516	-.3269557	.1640487
st_PR	.1596858	.1940464	0.82	0.411	-.2206381	.5400098
st_RI	.0017515	.1683003	0.01	0.992	-.3281111	.3316141
st_SC	-.0232711	.115089	-0.20	0.840	-.2488413	.2022991
st_SD	-.1030697	.1901336	-0.54	0.588	-.4757247	.2695853
st_TN	.0708671	.1378294	0.51	0.607	-.1992736	.3410078
st_TX	-.0788153	.1191913	-0.66	0.508	-.312426	.1547955
st_UT	.0032783	.1542692	0.02	0.983	-.2990838	.3056404
st_VA	-.0942017	.1469629	-0.64	0.522	-.3822436	.1938402
st_VT	-.0028001	.1374089	-0.02	0.984	-.2721167	.2665164
st_WA	-.0120152	.1235202	-0.10	0.923	-.2541103	.2300798
st_WI	-.0170836	.1206198	-0.14	0.887	-.253494	.2193269
st_WV	-.1264024	.1788948	-0.71	0.480	-.4770298	.224225
st_WY	-.1876813	.2575595	-0.73	0.466	-.6924886	.317126
tsd_unemp_mean	-.0214418	.0260826	-0.82	0.411	-.0725628	.0296792
tsd_unemp_cng	-.0122034	.0200194	-0.61	0.542	-.0514407	.0270338
pial	.0000848	.0000178	4.75	0.000	.0000498	.0001197
pia_miss	.0796908	.0154908	5.14	0.000	.0493293	.1100522
ime1	-.0000278	5.91e-06	-4.70	0.000	-.0000394	-.0000162
ime_miss	-.0832162	.00888	-9.37	0.000	-.1006206	-.0658118
_cons	.5464633	.2189522	2.50	0.013	.1173248	.9756017

Endogenous variables: twproll12 twproll24 twproll36 twproll48 mototkt
Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
epb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epb4tsd ldwb4tsd
st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss imm1 imm3 imm4

(1) 12*[twproll12]mototkt + 12*[twproll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0139553	.0275607	-0.51	0.613	-.0679733	.0400628

(1) 12*[twproll12]mototkt + 12*[twproll24]mototkt + 12*[twproll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0154195	.043995	-0.35	0.726	-.1016482	.0708091

(1) 12*[twproll12]mototkt + 12*[twproll24]mototkt + 12*[twproll36]mototkt + 12*[twproll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0104564	.0617565	-0.17	0.866	-.1314969	.1105842

phase 1 NO NY dependent variable: srvroll, unemployment: unemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
srvroll12	43043	97	.1579679	0.2523	14524.42	0.0000
srvroll24	43043	97	.1785506	0.4013	28848.09	0.0000
srvroll36	43043	97	.179493	0.5209	46804.97	0.0000
srvroll48	43043	97	.1788489	0.5902	61986.73	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
srvroll12						
mototkt	-.000547	.0008566	-0.64	0.523	-.0022259	.001132
male	.0015663	.00159	0.99	0.325	-.0015501	.0046828
gendermiss_flag	.0000426	.1117488	0.00	1.000	-.2189811	.2190663
tsd_age	-.0003437	.0001961	-1.75	0.080	-.0007282	.0000407
doage2	-.0001256	.0001783	-0.70	0.481	-.000475	.0002239
doage2miss_flag	-.0191047	.0912636	-0.21	0.834	-.1979781	.1597687
race_a	-.0007939	.0068276	-0.12	0.907	-.0141758	.0125881
race_b	.0005191	.0021989	0.24	0.813	-.0037907	.0048288
race_h	-.0063246	.0030538	-2.07	0.038	-.0123099	-.0003392
race_i	-.0047413	.0081151	-0.58	0.559	-.0206467	.0111641
race_o	-.0067538	.0092903	-0.73	0.467	-.0249625	.0114548
race_mis	-.0039378	.0064632	-0.61	0.542	-.0166055	.0087299
tsd_edu_hs	.0027507	.0022219	1.24	0.216	-.001604	.0071055
tsd_edu_mrhs	.008494	.0026097	3.25	0.001	.0033791	.0136088
tsd_edu_mis	.0016504	.0025736	0.64	0.521	-.0033938	.0066947
tsd_mie_exp	-.004847	.0048371	-1.00	0.316	-.0143275	.0046335
tsd_mie_mis	-.0063087	.0026469	-2.38	0.017	-.0114966	-.0011208
tsd_mie_psbl	-.005455	.0021451	-2.54	0.011	-.0096594	-.0012506
tsd_medicare	-.0021656	.002099	-1.03	0.302	-.0062794	.0019483
tsd_medicare_miss	-.0092539	.0076901	-1.20	0.229	-.0243262	.0058184

tsd_depend_1	-.0014632	.0023366	-0.63	0.531	-.0060428	.0031164
tsd_depend_2	-.002457	.0020501	-1.20	0.231	-.0064751	.0015611
tsd_depend_miss	-.0094353	.0057821	-1.63	0.103	-.020768	.0018974
tsd_vrpr	-.3373318	.0034423	-98.00	0.000	-.3440787	-.330585
tsd_vrpr_miss	-.3651529	.0031178	-117.12	0.000	-.3712637	-.3590421
pdcgrou2	.0005554	.0025783	0.22	0.829	-.004498	.0056088
pdcgrou3	.0011283	.0031798	0.35	0.723	-.005104	.0073607
pdcgrou4	.0055886	.0023271	2.40	0.016	.0010276	.0101497
pdcgrou5	.0123247	.0248796	0.50	0.620	-.0364384	.0610878
cohort2000	-.0065228	.003348	-1.95	0.051	-.0130847	.0000392
cohort2001	-.0121766	.0057366	-2.12	0.034	-.0234202	-.0009329
cohort2002	-.017489	.0083794	-2.09	0.037	-.0339125	-.0010656
cohort2003	-.0421922	.0134896	-3.13	0.002	-.0686313	-.015753
cohort2004	-.0478844	.0138069	-3.47	0.001	-.0749455	-.0208234
award_b4_tsd	-.0009319	.005531	-0.17	0.866	-.0117724	.0099086
diaward_tsd	-.0006143	.0002545	-2.41	0.016	-.0011131	-.0001155
epeb4twp_flag	-.0218477	.0453268	-0.48	0.630	-.1106866	.0669911
ldwb4twp_flag	-.0957907	.0440958	-2.17	0.030	-.1822168	-.0093645
ldwb4epe_flag	.023984	.0192555	1.25	0.213	-.013756	.061724
twpb4tsd	.0082734	.0033267	2.49	0.013	.0017531	.0147937
epeb4tsd	-.000915	.0044183	-0.21	0.836	-.0095748	.0077448
ldwb4tsd	.0021309	.0065214	0.33	0.744	-.0106509	.0149126
st_AL	-.1154772	.0708813	-1.63	0.103	-.2544021	.0234477
st_AR	-.0468243	.0723981	-0.65	0.518	-.1887219	.0950733
st_AZ	-.0252614	.0578672	-0.44	0.662	-.138679	.0881561
st_CA	-.0368211	.0587368	-0.63	0.531	-.151943	.0783009
st_CO	-.0230112	.0603644	-0.38	0.703	-.1413233	.0953009
st_CT	-.026683	.0726375	-0.37	0.713	-.1690498	.1156838
st_DC	-.0455688	.1072864	-0.42	0.671	-.2558462	.1647087
st_DE	.006635	.0717352	0.09	0.926	-.1339633	.1472334
st_FL	-.0181109	.0598824	-0.30	0.762	-.1354782	.0992564
st_GA	-.0228928	.0674838	-0.34	0.734	-.1551586	.109373
st_HI	-.0221348	.1001663	-0.22	0.825	-.2184571	.1741875
st_IA	-.0096561	.0706419	-0.14	0.891	-.1481117	.1287995
st_ID	-.0224901	.0851985	-0.26	0.792	-.189476	.1444959
st_IL	-.0136218	.0564765	-0.24	0.809	-.1243137	.09707
st_IN	.0104507	.0695088	0.15	0.880	-.125784	.1466853
st_KS	-.0420617	.0710141	-0.59	0.554	-.1812468	.0971233
st_KY	-.0279615	.0704611	-0.40	0.691	-.1660627	.1101397
st_LA	-.0277014	.0773531	-0.36	0.720	-.1793106	.1239078
st_MA	-.0211927	.0609097	-0.35	0.728	-.1405734	.0981881
st_MD	-.0058257	.0768127	-0.08	0.940	-.1563759	.1447245
st_ME	-.0177787	.0852061	-0.21	0.835	-.1847795	.1492221
st_MI	.0121727	.063224	0.19	0.847	-.111744	.1360894
st_MN	-.0373079	.0735936	-0.51	0.612	-.1815487	.1069328
st_MO	-.0741163	.0661498	-1.12	0.263	-.2037675	.0555349
st_MS	-.0588704	.0721124	-0.82	0.414	-.2002081	.0824672
st_MT	-.3838272	.1717356	-2.23	0.025	-.7204228	-.0472316
st_NC	-.0340524	.0626625	-0.54	0.587	-.1568687	.0887639
st_ND	0	(omitted)				
st_NE	-.0150862	.0809034	-0.19	0.852	-.1736539	.1434815
st_NH	-.0437445	.0757209	-0.58	0.563	-.1921547	.1046657
st_NJ	.0220672	.0627729	0.35	0.725	-.1009654	.1450997
st_NM	-.0245891	.0780095	-0.32	0.753	-.1774849	.1283067
st_NV	-.0362774	.0665772	-0.54	0.586	-.1667663	.0942115
st_NY	0	(omitted)				
st_OH	-.0489179	.0648279	-0.75	0.451	-.1759784	.0781425
st_OK	-.0021057	.0646218	-0.03	0.974	-.128762	.1245506
st_OR	-.0345771	.0565449	-0.61	0.541	-.1454031	.0762489
st_PA	-.0602656	.0641585	-0.94	0.348	-.186014	.0654827
st_PR	-.0426748	.0993923	-0.43	0.668	-.23748	.1521305
st_RI	-.0706207	.0862049	-0.82	0.413	-.2395792	.0983378
st_SC	-.0146429	.0589496	-0.25	0.804	-.1301819	.1008961

st_SD	-.0119656	.0973881	-0.12	0.902	-.2028427	.1789116
st_TN	-.0585279	.0705974	-0.83	0.407	-.1968963	.0798405
st_TX	-.016016	.0610508	-0.26	0.793	-.1356734	.1036415
st_UT	-.0988553	.079018	-1.25	0.211	-.2537278	.0560172
st_VA	-.0036931	.0752757	-0.05	0.961	-.1512307	.1438445
st_VT	.0025051	.0703821	0.04	0.972	-.1354412	.1404514
st_WA	-.0827452	.0632681	-1.31	0.191	-.2067484	.041258
st_WI	.0057131	.0617825	0.09	0.926	-.1153784	.1268046
st_WV	-.0968656	.0916315	-1.06	0.290	-.27646	.0827288
st_WY	-.0152031	.1319242	-0.12	0.908	-.2737698	.2433636
tsd_unemp_mean	.0054113	.0133597	0.41	0.685	-.0207733	.031596
tsd_unemp_cng	-.0001922	.0102541	-0.02	0.985	-.0202899	.0199054
pia1	.0000161	9.14e-06	1.76	0.078	-1.80e-06	.000034
pia_miss	.0137748	.0079345	1.74	0.083	-.0017766	.0293262
ime1	-4.72e-06	3.03e-06	-1.56	0.119	-.0000107	1.22e-06
ime_miss	-.0082483	.0045484	-1.81	0.070	-.017163	.0006664
_cons	.3851526	.1121492	3.43	0.001	.1653441	.604961

srvroll24						
mototkt	-.0004893	.0009682	-0.51	0.613	-.002387	.0014084
male	.0018438	.0017972	1.03	0.305	-.0016787	.0053663
gendermiss_flag	-.0046375	.1263094	-0.04	0.971	-.2521993	.2429243
tsd_age	-.0007436	.0002217	-3.35	0.001	-.0011782	-.0003091
doage2	-.0001076	.0002015	-0.53	0.594	-.0005026	.0002874
doage2miss_flag	-.0252031	.103155	-0.24	0.807	-.2273831	.176977
race_a	.0015837	.0077173	0.21	0.837	-.0135419	.0167093
race_b	-.0028318	.0024854	-1.14	0.255	-.0077032	.0020395
race_h	-.0073378	.0034517	-2.13	0.034	-.014103	-.0005726
race_i	-.0024608	.0091725	-0.27	0.788	-.0204387	.015517
race_o	-.0003744	.0105008	-0.04	0.972	-.0209555	.0202068
race_mis	.0001601	.0073054	0.02	0.983	-.0141581	.0144784
tsd_edu_hs	.0030323	.0025114	1.21	0.227	-.0018898	.0079545
tsd_edu_mrhs	.0123947	.0029497	4.20	0.000	.0066134	.0181761
tsd_edu_mis	.0016981	.002909	0.58	0.559	-.0040034	.0073996
tsd_mie_exp	-.0040832	.0054674	-0.75	0.455	-.014799	.0066327
tsd_mie_mis	-.0055503	.0029918	-1.86	0.064	-.0114142	.0003135
tsd_mie_psbl	-.003891	.0024246	-1.60	0.109	-.0086433	.0008612
tsd_medicare	-.0016461	.0023724	-0.69	0.488	-.006296	.0030038
tsd_medicare_miss	-.007337	.0086921	-0.84	0.399	-.0243732	.0096992
tsd_depend_1	-.0019307	.002641	-0.73	0.465	-.0071069	.0032456
tsd_depend_2	-.001543	.0023172	-0.67	0.505	-.0060847	.0029986
tsd_depend_miss	-.0046522	.0065355	-0.71	0.477	-.0174615	.0081571
tsd_vrpr	-.5345129	.0038908	-137.38	0.000	-.5421389	-.526887
tsd_vrpr_miss	-.5846655	.0035241	-165.91	0.000	-.5915725	-.577585
pdcgrou2	-.0000596	.0029143	-0.02	0.984	-.0057715	.0056523
pdcgrou3	.0049123	.0035942	1.37	0.172	-.0021321	.0119567
pdcgrou4	.0077579	.0026303	2.95	0.003	.0026026	.0129133
pdcgrou5	-.0000841	.0281213	-0.00	0.998	-.0552009	.0550327
cohort2000	-.005696	.0037842	-1.51	0.132	-.0131129	.0017209
cohort2001	-.0111142	.0064841	-1.71	0.087	-.0238229	.0015944
cohort2002	-.0146515	.0094713	-1.55	0.122	-.0332149	.0039118
cohort2003	-.0521338	.0152472	-3.42	0.001	-.0820178	-.0222497
cohort2004	-.0758056	.0156059	-4.86	0.000	-.1063926	-.0452185
award_b4_tsd	.000037	.0062516	0.01	0.995	-.012216	.01229
diaward_tsd	-.000615	.0002877	-2.14	0.033	-.0011787	-.0000512
epeb4twp_flag	-.0391389	.0512327	-0.76	0.445	-.1395531	.0612754
ldwb4twp_flag	-.1484589	.0498413	-2.98	0.003	-.2461461	-.0507717
ldwb4epe_flag	.0121662	.0217644	0.56	0.576	-.0304912	.0548237
twpb4tsd	.0103317	.0037602	2.75	0.006	.0029619	.0177015
epeb4tsd	-.0055492	.004994	-1.11	0.266	-.0153374	.0042389
ldwb4tsd	.0090243	.0073711	1.22	0.221	-.0054228	.0234715
st_AL	-.0805822	.080117	-1.01	0.315	-.2376086	.0764441
st_AR	-.0258033	.0818313	-0.32	0.753	-.1861897	.1345832

st_AZ	.0254648	.0654071	0.39	0.697	-.1027307	.1536604
st_CA	.0140277	.06639	0.21	0.833	-.1160943	.1441497
st_CO	.0280911	.0682297	0.41	0.681	-.1056367	.1618189
st_CT	.0263651	.0821019	0.32	0.748	-.1345517	.1872819
st_DC	-.0099341	.1212655	-0.08	0.935	-.24761	.2277419
st_DE	.0311197	.081082	0.38	0.701	-.1277982	.1900376
st_FL	.0303142	.0676849	0.45	0.654	-.1023457	.1629741
st_GA	.0282523	.0762767	0.37	0.711	-.1212474	.1777519
st_HI	.0013804	.1132176	0.01	0.990	-.2205221	.2232829
st_IA	.0282892	.0798463	0.35	0.723	-.1282067	.1847851
st_ID	.0170386	.0962996	0.18	0.860	-.1717052	.2057823
st_IL	.0443841	.0638352	0.70	0.487	-.0807305	.1694988
st_IN	.0813986	.0785655	1.04	0.300	-.072587	.2353843
st_KS	-.0182731	.080267	-0.23	0.820	-.1755935	.1390473
st_KY	.0116946	.079642	0.15	0.883	-.1444008	.16779
st_LA	.0167218	.0874319	0.19	0.848	-.1546416	.1880853
st_MA	.0200612	.068846	0.29	0.771	-.1148745	.1549969
st_MD	-.001856	.0868212	-0.02	0.983	-.1720225	.1683104
st_ME	.0110035	.0963081	0.11	0.909	-.177757	.199764
st_MI	.0589265	.0714619	0.82	0.410	-.0811362	.1989892
st_MN	-.0191703	.0831826	-0.23	0.818	-.1822052	.1438646
st_MO	.0014379	.0747689	0.02	0.985	-.1451064	.1479823
st_MS	-.0274769	.0815084	-0.34	0.736	-.1872304	.1322766
st_MT	-.5721991	.1941122	-2.95	0.003	-.9526521	-.1917461
st_NC	.0223139	.0708272	0.32	0.753	-.116505	.1611327
st_ND	0	(omitted)				
st_NE	.010302	.0914448	0.11	0.910	-.1689266	.1895306
st_NH	.0302013	.0855871	0.35	0.724	-.1375463	.1979489
st_NJ	.0927966	.070952	1.31	0.191	-.0462667	.2318599
st_NM	.0134188	.0881739	0.15	0.879	-.1593989	.1862365
st_NV	-.0216986	.075252	-0.29	0.773	-.1691898	.1257925
st_NY	0	(omitted)				
st_OH	.0379652	.0732748	0.52	0.604	-.1056508	.1815812
st_OK	.0406926	.0730418	0.56	0.577	-.1024666	.1838519
st_OR	.0244464	.0639126	0.38	0.702	-.1008199	.1497127
st_PA	-.0196692	.0725182	-0.27	0.786	-.1618022	.1224638
st_PR	.0610439	.1123428	0.54	0.587	-.1591439	.2812317
st_RI	-.0668092	.0974371	-0.69	0.493	-.2577825	.1241641
st_SC	.0340941	.0666305	0.51	0.609	-.0964994	.1646875
st_SD	.0067816	.1100775	0.06	0.951	-.2089662	.2225295
st_TN	-.0037336	.0797961	-0.05	0.963	-.160131	.1526638
st_TX	.0152257	.0690056	0.22	0.825	-.1200228	.1504741
st_UT	-.1042939	.0893138	-1.17	0.243	-.2793458	.070758
st_VA	.0086634	.0850838	0.10	0.919	-.1580978	.1754247
st_VT	.0526892	.0795526	0.66	0.508	-.103231	.2086095
st_WA	-.0571844	.0715117	-0.80	0.424	-.1973448	.082976
st_WI	.0485656	.0698326	0.70	0.487	-.0883037	.185435
st_WV	-.0996084	.1035708	-0.96	0.336	-.3026034	.1033866
st_WY	.0120225	.1491135	0.08	0.936	-.2802347	.3042796
tsd_unemp_mean	-.0033635	.0151005	-0.22	0.824	-.0329598	.0262329
tsd_unemp_cng	-.0048649	.0115902	-0.42	0.675	-.0275812	.0178515
pial	.0000275	.0000103	2.66	0.008	7.26e-06	.0000477
pia_miss	.0178009	.0089684	1.98	0.047	.0002232	.0353786
ime1	-.00001	3.42e-06	-2.93	0.003	-.0000167	-3.32e-06
ime_miss	-.0157577	.005141	-3.07	0.002	-.0258339	-.0056815
_cons	.6167885	.1267619	4.87	0.000	.3683397	.8652373

srvroll36						
mototkt	-.0017269	.0009734	-1.77	0.076	-.0036346	.0001809
male	.0013652	.0018067	0.76	0.450	-.0021759	.0049063
gendermiss_flag	-.0038976	.126976	-0.03	0.976	-.2527661	.2449708
tsd_age	-.0009643	.0002229	-4.33	0.000	-.0014011	-.0005274
doage2	-.0001414	.0002026	-0.70	0.485	-.0005385	.0002557

doage2miss_flag	-.0295669	.1036994	-0.29	0.776	-.2328141	.1736802
race_a	.0039966	.007758	0.52	0.606	-.0112088	.019202
race_b	-.0029211	.0024985	-1.17	0.242	-.0078182	.0019759
race_h	-.0075617	.0034699	-2.18	0.029	-.0143626	-.0007608
race_i	-.0082646	.0092209	-0.90	0.370	-.0263373	.0098081
race_o	-.0099158	.0105562	-0.94	0.348	-.0306056	.010774
race_mis	-.0070031	.0073439	-0.95	0.340	-.0213969	.0073907
tsd_edu_hs	.0020175	.0025246	0.80	0.424	-.0029307	.0069656
tsd_edu_mrhs	.0149515	.0029653	5.04	0.000	.0091396	.0207633
tsd_edu_mis	-.0019314	.0029243	-0.66	0.509	-.007663	.0038002
tsd_mie_exp	-.0073098	.0054962	-1.33	0.184	-.0180822	.0034626
tsd_mie_mis	-.0070505	.0030076	-2.34	0.019	-.0129454	-.0011557
tsd_mie_psbl	-.0043422	.0024374	-1.78	0.075	-.0091195	.0004351
tsd_medicare	.0011196	.002385	0.47	0.639	-.0035548	.0057941
tsd_medicare_miss	-.0135916	.008738	-1.56	0.120	-.0307176	.0035345
tsd_depend_1	-.0034342	.0026549	-1.29	0.196	-.0086378	.0017694
tsd_depend_2	-.002199	.0023294	-0.94	0.345	-.0067646	.0023666
tsd_depend_miss	.0000817	.00657	0.01	0.990	-.0127952	.0129586
tsd_vrpr	-.6869984	.0039114	-175.64	0.000	-.6946646	-.6793322
tsd_vrpr_miss	-.7497022	.0035427	-211.62	0.000	-.7566457	-.7427588
pdcgroup2	-.0006454	.0029297	-0.22	0.826	-.0063874	.0050967
pdcgroup3	.0043403	.0036131	1.20	0.230	-.0027413	.0114219
pdcgroup4	.0068117	.0026442	2.58	0.010	.0016292	.0119943
pdcgroup5	.0135159	.0282698	0.48	0.633	-.0418918	.0689237
cohort2000	-.0032643	.0038042	-0.86	0.391	-.0107204	.0041918
cohort2001	-.0054208	.0065183	-0.83	0.406	-.0181965	.0073549
cohort2002	-.0078779	.0095213	-0.83	0.408	-.0265393	.0107834
cohort2003	-.0281192	.0153277	-1.83	0.067	-.058161	.0019226
cohort2004	-.0455666	.0156883	-2.90	0.004	-.0763151	-.0148181
award_b4_tsd	-.0051456	.0062846	-0.82	0.413	-.0174633	.007172
diaward_tsd	-.0005327	.0002892	-1.84	0.065	-.0010995	.0000341
epeb4twp_flag	-.0836696	.0515031	-1.62	0.104	-.1846138	.0172747
ldwb4twp_flag	.0008444	.0501044	0.02	0.987	-.0973584	.0990472
ldwb4epe_flag	.0124523	.0218793	0.57	0.569	-.0304303	.0553349
twpb4tsd	.0074768	.00378	1.98	0.048	.0000681	.0148856
epeb4tsd	-.0077051	.0050204	-1.53	0.125	-.0175449	.0021347
ldwb4tsd	.0111599	.00741	1.51	0.132	-.0033635	.0256833
st_AL	-.2396653	.0805398	-2.98	0.003	-.3975204	-.0818102
st_AR	-.157837	.0822632	-1.92	0.055	-.31907	.0033959
st_AZ	-.06909	.0657523	-1.05	0.293	-.1979621	.0597822
st_CA	-.0659255	.0667404	-0.99	0.323	-.1967343	.0648833
st_CO	-.0844211	.0685899	-1.23	0.218	-.2188548	.0500125
st_CT	-.1040779	.0825352	-1.26	0.207	-.2658439	.0576882
st_DC	.2266007	.1219055	1.86	0.063	-.0123297	.4655312
st_DE	-.1081289	.08151	-1.33	0.185	-.2678855	.0516278
st_FL	-.08173	.0680421	-1.20	0.230	-.2150901	.05163
st_GA	-.1052311	.0766793	-1.37	0.170	-.2555198	.0450575
st_HI	-.1480672	.1138152	-1.30	0.193	-.3711409	.0750065
st_IA	-.1043625	.0802678	-1.30	0.194	-.2616844	.0529594
st_ID	-.1008241	.0968079	-1.04	0.298	-.2905641	.0889158
st_IL	-.0431252	.0641721	-0.67	0.502	-.1689002	.0826498
st_IN	-.0418255	.0789802	-0.53	0.596	-.1966239	.1129728
st_KS	-.0995797	.0806906	-1.23	0.217	-.2577304	.0585711
st_KY	-.1018454	.0800623	-1.27	0.203	-.2587646	.0550739
st_LA	-.0888816	.0878934	-1.01	0.312	-.2611495	.0833863
st_MA	-.0885503	.0692094	-1.28	0.201	-.2241982	.0470976
st_MD	-.1540437	.0872795	-1.76	0.078	-.3251083	.0170209
st_ME	-.1211931	.0968165	-1.25	0.211	-.3109499	.0685636
st_MI	-.0369933	.0718391	-0.51	0.607	-.1777953	.1038086
st_MN	-.0843568	.0836216	-1.01	0.313	-.2482522	.0795386
st_MO	-.1418792	.0751635	-1.89	0.059	-.289197	.0054387
st_MS	-.1433591	.0819386	-1.75	0.080	-.3039558	.0172376
st_MT	.1359377	.1951368	0.70	0.486	-.2465233	.5183988

st_NC	-.0919438	.0712011	-1.29	0.197	-.2314954	.0476077
st_ND	0	(omitted)				
st_NE	-.1354094	.0919275	-1.47	0.141	-.3155839	.0447652
st_NH	-.0481666	.0860388	-0.56	0.576	-.2167996	.1204664
st_NJ	-.0345486	.0713265	-0.48	0.628	-.1743459	.1052486
st_NM	-.0960382	.0886393	-1.08	0.279	-.269768	.0776917
st_NV	-.1548019	.0756492	-2.05	0.041	-.3030716	-.0065323
st_NY	0	(omitted)				
st_OH	-.0521926	.0736616	-0.71	0.479	-.1965666	.0921814
st_OK	-.0849515	.0734273	-1.16	0.247	-.2288663	.0589633
st_OR	-.053524	.0642499	-0.83	0.405	-.1794514	.0724035
st_PA	-.1279424	.0729009	-1.76	0.079	-.2708255	.0149408
st_PR	.0647521	.1129357	0.57	0.566	-.1565979	.286102
st_RI	-.0654662	.0979514	-0.67	0.504	-.2574475	.126515
st_SC	-.0713459	.0669822	-1.07	0.287	-.2026286	.0599368
st_SD	-.1486612	.1106585	-1.34	0.179	-.3655478	.0682254
st_TN	-.1033778	.0802172	-1.29	0.197	-.2606007	.0538451
st_TX	-.0958324	.0693698	-1.38	0.167	-.2317948	.0401299
st_UT	-.2474289	.0897852	-2.76	0.006	-.4234047	-.071453
st_VA	-.1403254	.0855329	-1.64	0.101	-.3079668	.0273161
st_VT	-.0698042	.0799725	-0.87	0.383	-.2265474	.086939
st_WA	-.1632448	.0718892	-2.27	0.023	-.3041451	-.0223446
st_WI	-.060243	.0702012	-0.86	0.391	-.1978348	.0773487
st_WV	-.2398517	.1041174	-2.30	0.021	-.4439181	-.0357852
st_WY	-.1289896	.1499006	-0.86	0.390	-.4227893	.1648101
tsd_unemp_mean	-.0209993	.0151802	-1.38	0.167	-.0507519	.0087533
tsd_unemp_cng	-.0207845	.0116514	-1.78	0.074	-.0436207	.0020518
pial	.0000156	.0000104	1.50	0.133	-4.73e-06	.000036
pia_miss	.0061763	.0090157	0.69	0.493	-.0114942	.0238468
ime1	-5.20e-06	3.44e-06	-1.51	0.131	-.000012	1.54e-06
ime_miss	-.0102825	.0051682	-1.99	0.047	-.020412	-.0001531
_cons	1.002721	.127431	7.87	0.000	.7529607	1.252481

srvroll48						
mototkt	-.0008392	.0009699	-0.87	0.387	-.0027401	.0010617
male	.0001831	.0018002	0.10	0.919	-.0033453	.0037115
gendermiss_flag	-.0109365	.1265204	-0.09	0.931	-.2589119	.2370389
tsd_age	-.0010843	.0002221	-4.88	0.000	-.0015196	-.0006491
doage2	-.0001821	.0002019	-0.90	0.367	-.0005778	.0002135
doage2miss_flag	-.0354188	.1033273	-0.34	0.732	-.2379367	.167099
race_a	-.0003214	.0077302	-0.04	0.967	-.0154722	.0148295
race_b	-.0042953	.0024896	-1.73	0.084	-.0091747	.0005842
race_h	-.0074835	.0034575	-2.16	0.030	-.01426	-.000707
race_i	-.007818	.0091879	-0.85	0.395	-.0258258	.0101899
race_o	-.0086256	.0105183	-0.82	0.412	-.0292412	.0119899
race_mis	-.0134343	.0073176	-1.84	0.066	-.0277765	.0009079
tsd_edu_hs	.002569	.0025155	1.02	0.307	-.0023614	.0074994
tsd_edu_mrhs	.0163866	.0029546	5.55	0.000	.0105956	.0221776
tsd_edu_mis	.0000468	.0029138	0.02	0.987	-.0056642	.0057578
tsd_mie_exp	-.011257	.0054765	-2.06	0.040	-.0219908	-.0005233
tsd_mie_mis	-.0068428	.0029968	-2.28	0.022	-.0127165	-.0009692
tsd_mie_psbl	-.0066437	.0024287	-2.74	0.006	-.0114039	-.0018836
tsd_medicare	-.0015622	.0023764	-0.66	0.511	-.0062198	.0030955
tsd_medicare_miss	-.0149978	.0087066	-1.72	0.085	-.0320624	.0020668
tsd_depend_1	-.0032528	.0026454	-1.23	0.219	-.0084377	.0019321
tsd_depend_2	-.0035413	.0023211	-1.53	0.127	-.0080905	.0010079
tsd_depend_miss	-.0032008	.0065464	-0.49	0.625	-.0160315	.0096299
tsd_vrpr	-.7847298	.0038973	-201.35	0.000	-.7923684	-.7770911
tsd_vrpr_miss	-.8592866	.00353	-243.43	0.000	-.8662052	-.852368
pdcgrou2	-.0003557	.0029191	-0.12	0.903	-.0060771	.0053657
pdcgrou3	.0033653	.0036002	0.93	0.350	-.0036909	.0104215
pdcgrou4	.0075683	.0026347	2.87	0.004	.0024043	.0127323
pdcgrou5	.0294162	.0281683	1.04	0.296	-.0257927	.0846251

cohort2000	-.0027485	.0037905	-0.73	0.468	-.0101778	.0046808
cohort2001	-.004521	.0064949	-0.70	0.486	-.0172508	.0082089
cohort2002	-.0020873	.0094871	-0.22	0.826	-.0206817	.016507
cohort2003	-.0040467	.0152727	-0.26	0.791	-.0339807	.0258873
cohort2004	-.0344108	.015632	-2.20	0.028	-.065049	-.0037727
award_b4_tsd	-.0082032	.0062621	-1.31	0.190	-.0204766	.0040703
diaward_tsd	-.000505	.0002881	-1.75	0.080	-.0010697	.0000598
epeb4twp_flag	-.0964853	.0513183	-1.88	0.060	-.1970673	.0040968
ldwb4twp_flag	-.0274878	.0499246	-0.55	0.582	-.1253382	.0703626
ldwb4epe_flag	.0188528	.0218008	0.86	0.387	-.0238759	.0615815
twpb4tsd	.0073899	.0037665	1.96	0.050	7.77e-06	.0147721
epeb4tsd	-.0050114	.0050024	-1.00	0.316	-.0148159	.0047931
ldwb4tsd	.007669	.0073834	1.04	0.299	-.0068023	.0221403
st_AL	-.1755565	.0802508	-2.19	0.029	-.3328451	-.0182678
st_AR	-.1239287	.081968	-1.51	0.131	-.2845831	.0367257
st_AZ	-.0295681	.0655164	-0.45	0.652	-.1579778	.0988416
st_CA	-.0276439	.0665009	-0.42	0.678	-.1579833	.1026955
st_CO	-.0434379	.0683437	-0.64	0.525	-.1773892	.0905133
st_CT	-.073206	.0822391	-0.89	0.373	-.2343916	.0879796
st_DC	.2564064	.1214681	2.11	0.035	.0183333	.4944794
st_DE	-.0530392	.0812175	-0.65	0.514	-.2122225	.1061442
st_FL	-.0327111	.0677979	-0.48	0.629	-.1655926	.1001704
st_GA	-.0784856	.0764042	-1.03	0.304	-.228235	.0712638
st_HI	-.0956533	.1134068	-0.84	0.399	-.3179266	.1266199
st_IA	-.0539961	.0799797	-0.68	0.500	-.2107535	.1027613
st_ID	-.065348	.0964605	-0.68	0.498	-.2544071	.123711
st_IL	-.0049685	.0639418	-0.08	0.938	-.1302922	.1203552
st_IN	.0006473	.0786968	0.01	0.993	-.1535956	.1548902
st_KS	-.0678798	.0804011	-0.84	0.399	-.2254631	.0897035
st_KY	-.0618118	.079775	-0.77	0.438	-.218168	.0945444
st_LA	-.0481873	.087578	-0.55	0.582	-.2198371	.1234624
st_MA	-.0472637	.068961	-0.69	0.493	-.1824248	.0878974
st_MD	-.1235766	.0869663	-1.42	0.155	-.2940273	.0468741
st_ME	-.0834403	.096469	-0.86	0.387	-.2725162	.1056355
st_MI	-.0125893	.0715813	-0.18	0.860	-.152886	.1277074
st_MN	-.04731	.0833216	-0.57	0.570	-.2106173	.1159972
st_MO	-.0724293	.0748938	-0.97	0.333	-.2192184	.0743599
st_MS	-.1121314	.0816446	-1.37	0.170	-.2721518	.047889
st_MT	.0722758	.1944365	0.37	0.710	-.3088128	.4533644
st_NC	-.0616651	.0709456	-0.87	0.385	-.2007159	.0773856
st_ND	0	(omitted)				
st_NE	-.0911761	.0915976	-1.00	0.320	-.2707041	.088352
st_NH	-.0149651	.0857301	-0.17	0.861	-.182993	.1530627
st_NJ	.0081877	.0710705	0.12	0.908	-.131108	.1474833
st_NM	-.0596006	.0883212	-0.67	0.500	-.232707	.1135058
st_NV	-.0891114	.0753777	-1.18	0.237	-.236849	.0586261
st_NY	0	(omitted)				
st_OH	-.0215947	.0733972	-0.29	0.769	-.1654507	.1222612
st_OK	-.03978	.0731638	-0.54	0.587	-.1831784	.1036184
st_OR	-.0149498	.0640193	-0.23	0.815	-.1404254	.1105258
st_PA	-.0809574	.0726393	-1.11	0.265	-.2233279	.061413
st_PR	.0695779	.1125305	0.62	0.536	-.1509778	.2901335
st_RI	-.0475411	.0975999	-0.49	0.626	-.2388334	.1437513
st_SC	-.0291535	.0667418	-0.44	0.662	-.1599651	.1016581
st_SD	-.0990208	.1102614	-0.90	0.369	-.3151291	.1170875
st_TN	-.0700605	.0799294	-0.88	0.381	-.2267192	.0865981
st_TX	-.0711604	.0691209	-1.03	0.303	-.2066349	.064314
st_UT	-.2374533	.0894631	-2.65	0.008	-.4127977	-.0621089
st_VA	-.1050877	.085226	-1.23	0.218	-.2721276	.0619522
st_VT	-.0031262	.0796855	-0.04	0.969	-.159307	.1530546
st_WA	-.1440641	.0716312	-2.01	0.044	-.2844587	-.0036695
st_WI	-.008818	.0699493	-0.13	0.900	-.145916	.1282801
st_WV	-.2335222	.1037438	-2.25	0.024	-.4368563	-.030188

st_WY	-0.0806813	.1493627	-0.54	0.589	-.3734267	.2120642
tsd_unemp_mean	-.0175182	.0151257	-1.16	0.247	-.0471641	.0121276
tsd_unemp_cng	-.0114005	.0116095	-0.98	0.326	-.0341548	.0113537
pial	6.01e-06	.0000103	0.58	0.561	-.0000143	.0000263
pia_miss	.0004149	.0089834	0.05	0.963	-.0171921	.018022
ime1	-3.66e-06	3.43e-06	-1.07	0.286	-.0000104	3.06e-06
ime_miss	-.0087651	.0051496	-1.70	0.089	-.0188582	.001328
_cons	1.059425	.1269737	8.34	0.000	.8105614	1.308289

 Endogenous variables: srvroll12 srvroll24 srvroll36 srvroll48 mototkt
 Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
 race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
 tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
 tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
 epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd
 st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
 st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
 st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
 st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
 st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss imm1 imm3 imm4

(1) 12*[srvroll12]mototkt + 12*[srvroll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0124352	.0200879	-0.62	0.536	-.0518067	.0269363

(1) 12*[srvroll12]mototkt + 12*[srvroll24]mototkt + 12*[srvroll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0331575	.029639	-1.12	0.263	-.0912488	.0249338

(1) 12*[srvroll12]mototkt + 12*[srvroll24]mototkt + 12*[srvroll36]mototkt + 12*[srvroll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0432278	.0388491	-1.11	0.266	-.1193707	.0329151

phase 1 NO NY dependent variable: nstw, unemployment: unemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
nstw12	43043	97	1.125161	0.4056	29375.24	0.0000
nstw24	43043	97	2.61704	0.3289	21096.72	0.0000
nstw36	43043	97	4.382517	0.2718	16067.48	0.0000
nstw48	43043	97	6.344278	0.2334	13107.62	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
nstwl2						
mototkt	-.0021655	.0061015	-0.35	0.723	-.0141243	.0097932
male	.0151465	.0113255	1.34	0.181	-.007051	.037344
gendermiss_flag	-.081093	.7959558	-0.10	0.919	-1.641138	1.478952
tsd_age	-.0056366	.0013971	-4.03	0.000	-.0083748	-.0028984
doage2	.0002114	.00127	0.17	0.868	-.0022778	.0027005
doage2miss_flag	.0411018	.6500453	0.06	0.950	-1.232963	1.315167
race_a	.015875	.0486314	0.33	0.744	-.0794408	.1111908
race_b	.0470251	.0156622	3.00	0.003	.0163278	.0777225
race_h	.025452	.0217514	1.17	0.242	-.01718	.0680839
race_i	-.0208842	.0578019	-0.36	0.718	-.1341739	.0924055
race_o	-.0071277	.0661722	-0.11	0.914	-.1368227	.1225674
race_mis	.0533071	.0460357	1.16	0.247	-.0369213	.1435354
tsd_edu_hs	.016794	.0158256	1.06	0.289	-.0142236	.0478117
tsd_edu_mrhs	.0603207	.0185879	3.25	0.001	.023889	.0967524
tsd_edu_mis	.0296694	.0183313	1.62	0.106	-.0062593	.065598
tsd_mie_exp	-.0011052	.0344533	-0.03	0.974	-.0686323	.066422
tsd_mie_mis	.02001	.0188534	1.06	0.289	-.016942	.056962
tsd_mie_psbl	-.0182139	.0152792	-1.19	0.233	-.0481607	.0117329
tsd_medicare	-.0788525	.0149503	-5.27	0.000	-.1081544	-.0495505
tsd_medicare_miss	-.0301538	.0547743	-0.55	0.582	-.1375095	.0772019
tsd_depend_1	-.0301047	.0166426	-1.81	0.070	-.0627237	.0025142
tsd_depend_2	-.0314716	.0146022	-2.16	0.031	-.0600913	-.0028519
tsd_depend_miss	.0479861	.0411841	1.17	0.244	-.0327333	.1287056
tsd_vrpr	.0765564	.0245187	3.12	0.002	.0285006	.1246122
tsd_vrpr_miss	.1163812	.0222074	5.24	0.000	.0728555	.1599068
pdcgroup2	-.0244618	.0183647	-1.33	0.183	-.060456	.0115323
pdcgroup3	.026707	.0226491	1.18	0.238	-.0176844	.0710983
pdcgroup4	.0446717	.0165754	2.70	0.007	.0121846	.0771588
pdcgroup5	-.0486054	.1772105	-0.27	0.784	-.3959316	.2987207
cohort2000	.0575397	.0238467	2.41	0.016	.010801	.1042784
cohort2001	.043191	.0408605	1.06	0.290	-.0368942	.1232762
cohort2002	.0305035	.0596845	0.51	0.609	-.0864759	.1474829
cohort2003	.1147263	.0960826	1.19	0.232	-.0735922	.3030448
cohort2004	.2305246	.0983428	2.34	0.019	.0377762	.423273
award_b4_tsd	-.0064208	.0393956	-0.16	0.871	-.0836346	.0707931
diaward_tsd	.0002104	.0018127	0.12	0.908	-.0033424	.0037632
epeb4twp_flag	-.2199172	.32285	-0.68	0.496	-.8526916	.4128571
ldwb4twp_flag	1.345233	.3140819	4.28	0.000	.7296434	1.960822
ldwb4epe_flag	.7391767	.1371514	5.39	0.000	.4703649	1.007988
twpb4tsd	.9901096	.0236954	41.78	0.000	.9436675	1.036552
epeb4tsd	1.049358	.0314707	33.34	0.000	.9876769	1.11104
ldwb4tsd	5.6693	.0464502	122.05	0.000	5.578259	5.760341
st_AL	.2716215	.504868	0.54	0.591	-.7179016	1.261145
st_AR	-.3356659	.5156714	-0.65	0.515	-1.346363	.6750314
st_AZ	-.191482	.4121718	-0.46	0.642	-.9993239	.6163598
st_CA	.1187478	.4183657	0.28	0.777	-.701234	.9387296
st_CO	-.3036789	.429959	-0.71	0.480	-1.146383	.5390254
st_CT	-.3478979	.5173763	-0.67	0.501	-1.361937	.6661411
st_DC	1.9255	.7641711	2.52	0.012	.4277523	3.423248
st_DE	-.6272955	.5109496	-1.23	0.220	-1.628738	.3741473
st_FL	-.2410706	.4265254	-0.57	0.572	-1.077045	.5949039
st_GA	-.3556679	.4806682	-0.74	0.459	-1.29776	.5864244
st_HI	-.7034267	.7134565	-0.99	0.324	-2.101776	.6949224
st_IA	-.6896574	.5031626	-1.37	0.170	-1.675838	.2965232
st_ID	-.577859	.6068452	-0.95	0.341	-1.767254	.6115357
st_IL	-.0421496	.4022661	-0.10	0.917	-.8305767	.7462775
st_IN	-.5829256	.4950915	-1.18	0.239	-1.553287	.3874359
st_KS	-.4712349	.5058135	-0.93	0.352	-1.462611	.5201413
st_KY	-.4146573	.5018748	-0.83	0.409	-1.398314	.5689992

st_LA	.3120149	.5509643	0.57	0.571	-.7678553	1.391885
st_MA	-.3391162	.4338425	-0.78	0.434	-1.189432	.5111995
st_MD	1.006433	.5471158	1.84	0.066	-.0658943	2.07876
st_ME	-.7476493	.606899	-1.23	0.218	-1.937149	.4418509
st_MI	.3906405	.4503268	0.87	0.386	-.4919838	1.273265
st_MN	-.2718125	.5241865	-0.52	0.604	-1.299199	.7555742
st_MO	-.3284714	.4711665	-0.70	0.486	-1.251941	.594998
st_MS	-.1534802	.5136363	-0.30	0.765	-1.160189	.8532284
st_MT	-.5367745	1.223225	-0.44	0.661	-2.934251	1.860702
st_NC	-.2764687	.4463276	-0.62	0.536	-1.151255	.5983174
st_ND	0	(omitted)				
st_NE	-1.079065	.5762522	-1.87	0.061	-2.208499	.0503685
st_NH	-.0076566	.5393388	-0.01	0.989	-1.064741	1.049428
st_NJ	-.220951	.4471136	-0.49	0.621	-1.097278	.6553756
st_NM	-.4622219	.55564	-0.83	0.405	-1.551256	.6268124
st_NV	.341746	.4742107	0.72	0.471	-.5876898	1.271182
st_NY	0	(omitted)				
st_OH	.8123435	.4617514	1.76	0.079	-.0926726	1.71736
st_OK	-.4893407	.4602827	-1.06	0.288	-1.391478	.4127969
st_OR	.1269738	.4027537	0.32	0.753	-.6624091	.9163566
st_PA	-.0400344	.4569832	-0.09	0.930	-.935705	.8556362
st_PR	1.119373	.7079434	1.58	0.114	-.2681706	2.506917
st_RI	.7529171	.6140135	1.23	0.220	-.4505273	1.956361
st_SC	-.2333879	.4198814	-0.56	0.578	-1.05634	.5895644
st_SD	.5660361	.6936682	0.82	0.414	-.7935287	1.925601
st_TN	.061965	.5028458	0.12	0.902	-.9235947	1.047525
st_TX	.2199062	.4348482	0.51	0.613	-.6323806	1.072193
st_UT	.9389204	.5628235	1.67	0.095	-.1641933	2.042034
st_VA	-.2369438	.5361676	-0.44	0.659	-1.287813	.8139254
st_VT	-.7405872	.5013118	-1.48	0.140	-1.72314	.2419658
st_WA	.4044575	.4506411	0.90	0.369	-.4787827	1.287698
st_WI	-.3501008	.4400596	-0.80	0.426	-1.212602	.5124002
st_WV	-.1893567	.6526656	-0.29	0.772	-1.468558	1.089844
st_WY	-.7419447	.9396594	-0.79	0.430	-2.583643	1.099754
tsd_unemp_mean	-.2348794	.0951577	-2.47	0.014	-.4213851	-.0483736
tsd_unemp_cng	.0015178	.0730371	0.02	0.983	-.1416324	.1446679
pial	-.0001875	.0000651	-2.88	0.004	-.000315	-.0000599
pia_miss	-.3233791	.0565155	-5.72	0.000	-.4341474	-.2126107
ime1	.0000921	.0000216	4.27	0.000	.0000498	.0001344
ime_miss	.1618108	.0323969	4.99	0.000	.098314	.2253076
_cons	1.699931	.7988078	2.13	0.033	.1342964	3.265565

nstw24						
mototkt	-.0069594	.0141916	-0.49	0.624	-.0347745	.0208557
male	.0320891	.0263422	1.22	0.223	-.0195406	.0837188
gendermiss_flag	-.2270194	1.851333	-0.12	0.902	-3.855565	3.401526
tsd_age	-.0219771	.0032495	-6.76	0.000	-.028346	-.0156083
doage2	.0013761	.0029539	0.47	0.641	-.0044135	.0071657
doage2miss_flag	.0454095	1.511956	0.03	0.976	-2.91797	3.008789
race_a	.1806073	.113113	1.60	0.110	-.0410901	.4023046
race_b	.1154491	.0364291	3.17	0.002	.0440493	.1868488
race_h	.1236613	.0505921	2.44	0.015	.0245027	.2228199
race_i	-.0837453	.1344429	-0.62	0.533	-.3472486	.1797579
race_o	-.0965771	.1539114	-0.63	0.530	-.3982379	.2050838
race_mis	.0897475	.1070756	0.84	0.402	-.1201168	.2996118
tsd_edu_hs	.0475557	.0368092	1.29	0.196	-.024589	.1197004
tsd_edu_mrhs	.217977	.0432342	5.04	0.000	.1332396	.3027143
tsd_edu_mis	.1495538	.0426372	3.51	0.000	.0659865	.2331211
tsd_mie_exp	.0313458	.0801357	0.39	0.696	-.1257172	.1884089
tsd_mie_mis	.02889	.0438516	0.66	0.510	-.0570575	.1148376
tsd_mie_psbl	-.0489584	.0355384	-1.38	0.168	-.1186123	.0206956
tsd_medicare	-.1963243	.0347732	-5.65	0.000	-.2644784	-.1281701
tsd_medicare_miss	-.1868037	.1274009	-1.47	0.143	-.4365049	.0628975

tsd_depend_1	-.1153853	.0387095	-2.98	0.003	-.1912546	-.0395161
tsd_depend_2	-.1034217	.0339635	-3.05	0.002	-.1699889	-.0368544
tsd_depend_miss	.0855869	.0957912	0.89	0.372	-.1021604	.2733341
tsd_vrpr	.2717568	.0570287	4.77	0.000	.1599826	.3835309
tsd_vrpr_miss	.325621	.0516527	6.30	0.000	.2243837	.4268584
pdcgrou2	-.0761686	.0427149	-1.78	0.075	-.1598883	.0075511
pdcgrou3	.0700025	.05268	1.33	0.184	-.0332484	.1732534
pdcgrou4	.1283257	.038553	3.33	0.001	.0527632	.2038883
pdcgrou5	.1274259	.4121781	0.31	0.757	-.6804283	.9352801
cohort2000	.0842493	.0554657	1.52	0.129	-.0244614	.19296
cohort2001	.0331586	.0950385	0.35	0.727	-.1531135	.2194307
cohort2002	.0317886	.1388216	0.23	0.819	-.2402966	.3038739
cohort2003	.1634691	.2234809	0.73	0.464	-.2745453	.6014836
cohort2004	.4582688	.228738	2.00	0.045	.0099506	.906587
award_b4_tsd	.0124667	.0916311	0.14	0.892	-.1671268	.1920603
diaward_tsd	-.0044063	.0042162	-1.05	0.296	-.0126699	.0038572
epeb4twp_flag	.3202464	.7509246	0.43	0.670	-1.151539	1.792032
ldwb4twp_flag	2.99661	.7305308	4.10	0.000	1.564796	4.428424
ldwb4epe_flag	2.995828	.3190037	9.39	0.000	2.370592	3.621063
twpb4tsd	3.011463	.0551137	54.64	0.000	2.903442	3.119483
epeb4tsd	1.810536	.0731984	24.73	0.000	1.66707	1.954002
ldwb4tsd	10.11542	.1080396	93.63	0.000	9.903667	10.32717
st_AL	-.422933	1.174285	-0.36	0.719	-2.724489	1.878623
st_AR	-.4980858	1.199413	-0.42	0.678	-2.848891	1.852719
st_AZ	-.4605051	.9586803	-0.48	0.631	-2.339484	1.418474
st_CA	.3088684	.9730869	0.32	0.751	-1.598347	2.216084
st_CO	-.8404945	1.000052	-0.84	0.401	-2.800561	1.119572
st_CT	-.8896714	1.203378	-0.74	0.460	-3.248249	1.468906
st_DC	5.678499	1.777404	3.19	0.001	2.194852	9.162147
st_DE	-1.838032	1.18843	-1.55	0.122	-4.167312	.4912476
st_FL	-.6945058	.9920657	-0.70	0.484	-2.638919	1.249907
st_GA	-1.177694	1.117998	-1.05	0.292	-3.368929	1.013541
st_HI	-2.151976	1.659446	-1.30	0.195	-5.40443	1.100478
st_IA	-2.009904	1.170318	-1.72	0.086	-4.303685	.2838774
st_ID	-1.722795	1.411476	-1.22	0.222	-4.489236	1.043647
st_IL	-.0577898	.9356405	-0.06	0.951	-1.891611	1.776032
st_IN	-1.654784	1.151545	-1.44	0.151	-3.911771	.6022031
st_KS	-1.342796	1.176484	-1.14	0.254	-3.648662	.9630696
st_KY	-1.250539	1.167323	-1.07	0.284	-3.53845	1.037371
st_LA	-.9541845	1.281501	-0.74	0.457	-3.465881	1.557512
st_MA	-.8584983	1.009085	-0.85	0.395	-2.836268	1.119272
st_MD	1.161951	1.27255	0.91	0.361	-1.332201	3.656103
st_ME	-.7393605	1.411601	-0.52	0.600	-3.506048	2.027327
st_MI	.5316258	1.047426	0.51	0.612	-1.521291	2.584543
st_MN	-.9595513	1.219218	-0.79	0.431	-3.349175	1.430072
st_MO	-1.1863	1.095898	-1.08	0.279	-3.33422	.9616192
st_MS	-.5310647	1.194679	-0.44	0.657	-2.872593	1.810463
st_MT	-1.713404	2.845128	-0.60	0.547	-7.289753	3.862946
st_NC	-.8756739	1.038124	-0.84	0.399	-2.91036	1.159012
st_ND	0	(omitted)				
st_NE	-2.871437	1.340319	-2.14	0.032	-5.498414	-.2444605
st_NH	-.5170302	1.254461	-0.41	0.680	-2.975729	1.941668
st_NJ	-1.027842	1.039952	-0.99	0.323	-3.066111	1.010428
st_NM	-1.287587	1.292376	-1.00	0.319	-3.820599	1.245424
st_NV	.3412363	1.102978	0.31	0.757	-1.820561	2.503034
st_NY	0	(omitted)				
st_OH	1.448599	1.073999	1.35	0.177	-.6563998	3.553598
st_OK	-1.378361	1.070583	-1.29	0.198	-3.476664	.7199429
st_OR	.3826262	.9367746	0.41	0.683	-1.453418	2.218671
st_PA	-.1113938	1.062908	-0.10	0.917	-2.194656	1.971868
st_PR	3.318621	1.646623	2.02	0.044	.0912995	6.545942
st_RI	2.365142	1.428149	1.66	0.098	-.4339785	5.164262
st_SC	-.6588932	.9766122	-0.67	0.500	-2.573018	1.255232

st_SD	1.462926	1.61342	0.91	0.365	-1.699318	4.625171
st_TN	-.6838237	1.169581	-0.58	0.559	-2.976161	1.608513
st_TX	.214966	1.011424	0.21	0.832	-1.767388	2.19732
st_UT	1.485316	1.309085	1.13	0.257	-1.080442	4.051075
st_VA	-.6460472	1.247085	-0.52	0.604	-3.090289	1.798195
st_VT	-2.028896	1.166013	-1.74	0.082	-4.314239	.2564482
st_WA	1.495082	1.048157	1.43	0.154	-.5592682	3.549431
st_WI	-.999818	1.023545	-0.98	0.329	-3.00593	1.006294
st_WV	-.5707752	1.518051	-0.38	0.707	-3.5461	2.404549
st_WY	-2.269708	2.185576	-1.04	0.299	-6.553359	2.013943
tsd_unemp_mean	-.6806583	.2213297	-3.08	0.002	-1.114457	-.2468601
tsd_unemp_cng	-.0583346	.1698788	-0.34	0.731	-.391291	.2746217
pia1	-.0004072	.0001514	-2.69	0.007	-.0007039	-.0001104
pia_miss	-.832542	.1314508	-6.33	0.000	-1.090181	-.5749033
ime1	.0002189	.0000502	4.36	0.000	.0001205	.0003173
ime_miss	.3293222	.0753528	4.37	0.000	.1816334	.4770109
_cons	5.260956	1.857966	2.83	0.005	1.619409	8.902502

nstw36						
mototkt	-.0088279	.0237655	-0.37	0.710	-.0554073	.0377516
male	.0667216	.0441128	1.51	0.130	-.019738	.1531812
gendermiss_flag	-.4162989	3.100258	-0.13	0.893	-6.492692	5.660094
tsd_age	-.0453497	.0054416	-8.33	0.000	-.0560151	-.0346843
doage2	.0030444	.0049467	0.62	0.538	-.0066509	.0127397
doage2miss_flag	-.082131	2.531934	-0.03	0.974	-5.044631	4.880369
race_a	.3152151	.1894199	1.66	0.096	-.0560412	.6864713
race_b	.2302129	.0610045	3.77	0.000	.1106463	.3497795
race_h	.2737465	.0847219	3.23	0.001	.1076946	.4397983
race_i	-.1015555	.2251392	-0.45	0.652	-.5428203	.3397093
race_o	-.2391661	.2577414	-0.93	0.353	-.74433	.2659977
race_mis	.1276244	.1793097	0.71	0.477	-.2238162	.4790649
tsd_edu_hs	.1037124	.061641	1.68	0.092	-.0171018	.2245265
tsd_edu_mrhs	.4779634	.0724003	6.60	0.000	.3360614	.6198653
tsd_edu_mis	.3269327	.0714006	4.58	0.000	.1869902	.4668753
tsd_mie_exp	.0247413	.1341959	0.18	0.854	-.2382779	.2877604
tsd_mie_mis	-.0089902	.0734342	-0.12	0.903	-.1529187	.1349383
tsd_mie_psbl	-.1106509	.0595129	-1.86	0.063	-.2272939	.0059922
tsd_medicare	-.3035973	.0582315	-5.21	0.000	-.4177289	-.1894658
tsd_medicare_miss	-.5135361	.2133466	-2.41	0.016	-.9316878	-.0953844
tsd_depend_1	-.2168118	.0648232	-3.34	0.001	-.343863	-.0897605
tsd_depend_2	-.182992	.0568756	-3.22	0.001	-.2944661	-.0715179
tsd_depend_miss	.0780726	.1604127	0.49	0.626	-.2363306	.3924758
tsd_vrpr	.4803489	.0955007	5.03	0.000	.293171	.6675268
tsd_vrpr_miss	.4563327	.086498	5.28	0.000	.2867998	.6258656
pcdgroup2	-.1658809	.0715308	-2.32	0.020	-.3060787	-.0256832
pcdgroup3	.1220497	.0882184	1.38	0.167	-.0508551	.2949545
pcdgroup4	.2366669	.0645613	3.67	0.000	.1101292	.3632046
pcdgroup5	.0130138	.6902369	0.02	0.985	-1.339826	1.365853
cohort2000	.0608743	.0928833	0.66	0.512	-.1211735	.2429222
cohort2001	-.0350971	.1591523	-0.22	0.825	-.34703	.2768357
cohort2002	.0015062	.2324718	0.01	0.995	-.4541301	.4571424
cohort2003	.4641022	.374243	1.24	0.215	-.2694006	1.197605
cohort2004	.6249573	.3830466	1.63	0.103	-.1258002	1.375715
award_b4_tsd	.0775497	.1534462	0.51	0.613	-.2231992	.3782987
diaward_tsd	-.0135534	.0070604	-1.92	0.055	-.0273916	.0002848
epeb4twp_flag	.8563143	1.257505	0.68	0.496	-1.60835	3.320978
ldwb4twp_flag	4.565936	1.223353	3.73	0.000	2.168208	6.963664
ldwb4epe_flag	6.44806	.5342063	12.07	0.000	5.401035	7.495085
twpb4tsd	5.026748	.0922938	54.46	0.000	4.845855	5.20764
epeb4tsd	2.446242	.1225786	19.96	0.000	2.205993	2.686492
ldwb4tsd	13.76774	.1809241	76.10	0.000	13.41313	14.12234
st_AL	-1.313334	1.966467	-0.67	0.504	-5.167538	2.540871
st_AR	-.5507777	2.008546	-0.27	0.784	-4.487456	3.385901

st_AZ	-.7285257	1.605414	-0.45	0.650	-3.87508	2.418028
st_CA	.3242335	1.62954	0.20	0.842	-2.869606	3.518073
st_CO	-1.280017	1.674696	-0.76	0.445	-4.56236	2.002327
st_CT	-.7726288	2.015187	-0.38	0.701	-4.722323	3.177066
st_DC	9.016502	2.976456	3.03	0.002	3.182756	14.85025
st_DE	-2.571535	1.990155	-1.29	0.196	-6.472167	1.329097
st_FL	-1.082295	1.661322	-0.65	0.515	-4.338425	2.173836
st_GA	-1.715617	1.872209	-0.92	0.359	-5.385078	1.953845
st_HI	-3.338994	2.778922	-1.20	0.230	-8.785581	2.107593
st_IA	-2.916108	1.959825	-1.49	0.137	-6.757294	.9250774
st_ID	-2.848583	2.363669	-1.21	0.228	-7.48129	1.784124
st_IL	-.2048415	1.566831	-0.13	0.896	-3.275775	2.866092
st_IN	-1.853127	1.928387	-0.96	0.337	-5.632697	1.926443
st_KS	-2.165277	1.97015	-1.10	0.272	-6.0267	1.696145
st_KY	-2.126651	1.954809	-1.09	0.277	-5.958006	1.704703
st_LA	-1.52731	2.146013	-0.71	0.477	-5.733418	2.678797
st_MA	-1.202908	1.689822	-0.71	0.477	-4.514898	2.109082
st_MD	1.106266	2.131023	0.52	0.604	-3.070462	5.282994
st_ME	-.0881476	2.363879	-0.04	0.970	-4.721265	4.54497
st_MI	.7367674	1.754029	0.42	0.674	-2.701065	4.1746
st_MN	-1.144826	2.041713	-0.56	0.575	-5.146509	2.856858
st_MO	-1.911784	1.835199	-1.04	0.298	-5.508709	1.685141
st_MS	-.3544568	2.00062	-0.18	0.859	-4.275599	3.566686
st_MT	-2.888006	4.764476	-0.61	0.544	-12.22621	6.450196
st_NC	-1.60157	1.738452	-0.92	0.357	-5.008873	1.805732
st_ND	0	(omitted)				
st_NE	-4.351991	2.24451	-1.94	0.053	-8.751149	.0471673
st_NH	-.3651158	2.100731	-0.17	0.862	-4.482473	3.752242
st_NJ	-1.552799	1.741513	-0.89	0.373	-4.966102	1.860504
st_NM	-2.18458	2.164224	-1.01	0.313	-6.426382	2.057222
st_NV	.3323575	1.847056	0.18	0.857	-3.287806	3.952522
st_NY	0	(omitted)				
st_OH	2.25227	1.798527	1.25	0.210	-1.272779	5.777319
st_OK	-2.040888	1.792807	-1.14	0.255	-5.554725	1.472949
st_OR	.2776083	1.568731	0.18	0.860	-2.797048	3.352264
st_PA	-.2159886	1.779955	-0.12	0.903	-3.704637	3.272659
st_PR	3.961776	2.757448	1.44	0.151	-1.442723	9.366276
st_RI	4.102742	2.39159	1.72	0.086	-.5846886	8.790173
st_SC	-1.120915	1.635443	-0.69	0.493	-4.326325	2.084494
st_SD	3.842228	2.701846	1.42	0.155	-1.453294	9.137749
st_TN	-.9163152	1.958591	-0.47	0.640	-4.755082	2.922452
st_TX	-.129803	1.693739	-0.08	0.939	-3.44947	3.189864
st_UT	1.880126	2.192204	0.86	0.391	-2.416515	6.176768
st_VA	-.3624206	2.088379	-0.17	0.862	-4.455569	3.730728
st_VT	-2.784652	1.952616	-1.43	0.154	-6.611708	1.042404
st_WA	2.500055	1.755252	1.42	0.154	-.940177	5.940286
st_WI	-1.567547	1.714038	-0.91	0.360	-4.926999	1.791905
st_WV	-1.082924	2.54214	-0.43	0.670	-6.065428	3.899579
st_WY	-3.581714	3.659985	-0.98	0.328	-10.75515	3.591725
tsd_unemp_mean	-.915481	.3706406	-2.47	0.014	-1.641923	-.1890388
tsd_unemp_cng	-.114831	.2844805	-0.40	0.686	-.6724025	.4427405
pial	-.0005329	.0002535	-2.10	0.036	-.0010299	-.000036
pia_miss	-1.260036	.2201286	-5.72	0.000	-1.69148	-.8285922
ime1	.0003181	.000084	3.78	0.000	.0001533	.0004828
ime_miss	.3461521	.1261864	2.74	0.006	.0988312	.593473
_cons	8.026511	3.111366	2.58	0.010	1.928346	14.12468

nstw48						
mototkt	-.0189714	.0344037	-0.55	0.581	-.0864014	.0484585
male	.1221194	.0638592	1.91	0.056	-.0030424	.2472812
gendermiss_flag	-.6695468	4.488036	-0.15	0.881	-9.465936	8.126842
tsd_age	-.0751954	.0078775	-9.55	0.000	-.090635	-.0597559
doage2	.00436	.007161	0.61	0.543	-.0096753	.0183953

doage2miss_flag	.0190086	3.665312	0.01	0.996	-7.164872	7.202889
race_a	.4788916	.2742106	1.75	0.081	-.0585513	1.016334
race_b	.3698501	.0883121	4.19	0.000	.1967615	.5429387
race_h	.4193385	.1226462	3.42	0.001	.1789562	.6597207
race_i	-.0687284	.3259191	-0.21	0.833	-.707518	.5700612
race_o	-.400785	.373115	-1.07	0.283	-1.132077	.3305071
race_mis	.1240355	.2595747	0.48	0.633	-.3847215	.6327926
tsd_edu_hs	.1852462	.0892336	2.08	0.038	.0103516	.3601408
tsd_edu_mrhs	.8183024	.1048091	7.81	0.000	.6128805	1.023724
tsd_edu_mis	.5312583	.1033618	5.14	0.000	.3286728	.7338438
tsd_mie_exp	.0541875	.1942665	0.28	0.780	-.3265678	.4349429
tsd_mie_mis	-.0435228	.1063059	-0.41	0.682	-.2518785	.1648329
tsd_mie_psbl	-.1981565	.0861528	-2.30	0.021	-.3670128	-.0293001
tsd_medicare	-.4133355	.0842978	-4.90	0.000	-.5785561	-.2481148
tsd_medicare_miss	-.9051874	.3088477	-2.93	0.003	-1.510518	-.299857
tsd_depend_1	-.3453038	.0938403	-3.68	0.000	-.5292274	-.1613802
tsd_depend_2	-.2543443	.082335	-3.09	0.002	-.4157179	-.0929707
tsd_depend_miss	.0084231	.2322188	0.04	0.971	-.4467174	.4635637
tsd_vrpr	.636254	.13825	4.60	0.000	.365289	.907219
tsd_vrpr_miss	.4740591	.1252173	3.79	0.000	.2286376	.7194806
pdcgrou2	-.3242529	.1035503	-3.13	0.002	-.5272078	-.121298
pdcgrou3	.2170713	.1277078	1.70	0.089	-.0332315	.467374
pdcgrou4	.3265112	.093461	3.49	0.000	.143331	.5096914
pdcgrou5	-.2026354	.9992099	-0.20	0.839	-2.161051	1.75578
cohort2000	.1011908	.1344609	0.75	0.452	-.1623477	.3647294
cohort2001	.0360612	.2303942	0.16	0.876	-.4155032	.4876256
cohort2002	.1176575	.3365339	0.35	0.727	-.5419368	.7772517
cohort2003	1.227097	.5417666	2.26	0.024	.1652542	2.28894
cohort2004	.9876929	.554511	1.78	0.075	-.0991287	2.074514
award_b4_tsd	.1869994	.2221338	0.84	0.400	-.2483748	.6223736
diaward_tsd	-.017979	.0102209	-1.76	0.079	-.0380116	.0020537
epeb4twp_flag	.7036988	1.820406	0.39	0.699	-2.864231	4.271628
ldwb4twp_flag	4.796557	1.770967	2.71	0.007	1.325526	8.267588
ldwb4epe_flag	10.21965	.7733348	13.22	0.000	8.70394	11.73536
twpb4tsd	6.988879	.1336076	52.31	0.000	6.727013	7.250745
epeb4tsd	2.954288	.1774488	16.65	0.000	2.606494	3.302081
ldwb4tsd	17.11592	.2619118	65.35	0.000	16.60258	17.62925
st_AL	-3.19035	2.846723	-1.12	0.262	-8.769825	2.389124
st_AR	-1.469563	2.907639	-0.51	0.613	-7.16843	4.229304
st_AZ	-1.863088	2.324051	-0.80	0.423	-6.418145	2.691968
st_CA	-.2641026	2.358976	-0.11	0.911	-4.88761	4.359405
st_CO	-2.621618	2.424345	-1.08	0.280	-7.373248	2.130011
st_CT	-1.693298	2.917252	-0.58	0.562	-7.411007	4.024412
st_DC	11.37303	4.308816	2.64	0.008	2.927905	19.81816
st_DE	-4.279343	2.881015	-1.49	0.137	-9.926028	1.367342
st_FL	-2.377271	2.404985	-0.99	0.323	-7.090954	2.336412
st_GA	-3.168461	2.710271	-1.17	0.242	-8.480496	2.143573
st_HI	-5.720935	4.02286	-1.42	0.155	-13.6056	2.163725
st_IA	-4.805269	2.837107	-1.69	0.090	-10.3659	.7553595
st_ID	-3.935014	3.421727	-1.15	0.250	-10.64147	2.771447
st_IL	-1.13983	2.268197	-0.50	0.615	-5.585415	3.305755
st_IN	-3.075143	2.791598	-1.10	0.271	-8.546574	2.396289
st_KS	-4.006861	2.852055	-1.40	0.160	-9.596785	1.583063
st_KY	-3.251975	2.829846	-1.15	0.250	-8.798371	2.294421
st_LA	-3.007973	3.106639	-0.97	0.333	-9.096875	3.080928
st_MA	-2.421739	2.446243	-0.99	0.322	-7.216286	2.372808
st_MD	-.4351639	3.084939	-0.14	0.888	-6.481534	5.611206
st_ME	-1.850986	3.42203	-0.54	0.589	-8.558041	4.85607
st_MI	-.1798136	2.53919	-0.07	0.944	-5.156535	4.796908
st_MN	-2.690945	2.955652	-0.91	0.363	-8.483916	3.102025
st_MO	-3.296592	2.656696	-1.24	0.215	-8.50362	1.910435
st_MS	-1.471744	2.896164	-0.51	0.611	-7.148121	4.204632
st_MT	-5.292574	6.897215	-0.77	0.443	-18.81087	8.225719

st_NC	-3.081252	2.51664	-1.22	0.221	-8.013777	1.851272
st_ND	0	(omitted)				
st_NE	-6.933505	3.249227	-2.13	0.033	-13.30187	-.5651371
st_NH	-1.919232	3.041088	-0.63	0.528	-7.879656	4.041191
st_NJ	-2.697205	2.521072	-1.07	0.285	-7.638415	2.244006
st_NM	-4.073958	3.133003	-1.30	0.193	-10.21453	2.066616
st_NV	-.5433501	2.67386	-0.20	0.839	-5.78402	4.69732
st_NY	0	(omitted)				
st_OH	2.266662	2.603608	0.87	0.384	-2.836316	7.36964
st_OK	-3.643235	2.595327	-1.40	0.160	-8.729982	1.443513
st_OR	-.6208921	2.270947	-0.27	0.785	-5.071866	3.830082
st_PA	-1.048918	2.576722	-0.41	0.684	-6.099201	4.001365
st_PR	4.122452	3.991774	1.03	0.302	-3.701281	11.94619
st_RI	4.841272	3.462146	1.40	0.162	-1.944409	11.62695
st_SC	-2.498276	2.367522	-1.06	0.291	-7.138533	2.141982
st_SD	4.507671	3.911283	1.15	0.249	-3.158302	12.17364
st_TN	-2.024188	2.835321	-0.71	0.475	-7.581315	3.532939
st_TX	-1.205352	2.451913	-0.49	0.623	-6.011013	3.60031
st_UT	1.224503	3.173508	0.39	0.700	-4.995459	7.444464
st_VA	-1.109607	3.023207	-0.37	0.714	-7.034984	4.815771
st_VT	-4.586723	2.826671	-1.62	0.105	-10.1269	.9534505
st_WA	3.048335	2.540962	1.20	0.230	-1.931859	8.028529
st_WI	-3.063202	2.481298	-1.23	0.217	-7.926456	1.800053
st_WV	-2.576342	3.680087	-0.70	0.484	-9.78918	4.636496
st_WY	-6.078522	5.298316	-1.15	0.251	-16.46303	4.305987
tsd_unemp_mean	-1.229357	.5365517	-2.29	0.022	-2.280979	-.1777351
tsd_unemp_cng	-.2811092	.4118234	-0.68	0.495	-1.088268	.5260499
pial	-.0006272	.000367	-1.71	0.087	-.0013466	.0000922
pia_miss	-1.612624	.3186654	-5.06	0.000	-2.237197	-.9880511
ime1	.0004099	.0001217	3.37	0.001	.0001714	.0006484
ime_miss	.2272893	.1826717	1.24	0.213	-.1307406	.5853193
_cons	12.42891	4.504117	2.76	0.006	3.600999	21.25681

Endogenous variables: nstw12 nstw24 nstw36 nstw48 mototkt

Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
 race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
 tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
 tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
 epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd
 st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
 st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
 st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
 st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
 st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
 ime_miss imm1 imm3 imm4

$$(1) \quad 12*[nstw12]mototkt + 12*[nstw24]mototkt = 0$$

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.1094994	.2362405	-0.46	0.643	-.5725223 .3535235

$$(1) \quad 12*[nstw12]mototkt + 12*[nstw24]mototkt + 12*[nstw36]mototkt = 0$$

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.2154337	.5087901	-0.42	0.672	-1.212644 .7817765

(1) 12*[nstw12]mototkt + 12*[nstw24]mototkt + 12*[nstw36]mototkt + 12*[nstw48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.4430907	.9032437	-0.49	0.624	-2.213416	1.327234

phase 2 dependent variable: ldwroll, unemployment: unemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
ldwroll12	77128	99	.1250542	0.1126	9783.31	0.0000
ldwroll24	77128	99	.171698	0.1140	9928.26	0.0000
ldwroll36	77128	99	.2043347	0.1084	9379.03	0.0000
ldwroll48	77128	99	.2284688	0.1047	9024.40	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
ldwroll12						
mototkt	-.0000798	.0002894	-0.28	0.783	-.000647	.0004875
male	.0033314	.0009515	3.50	0.000	.0014665	.0051964
gendermiss_flag	-.0105019	.1251589	-0.08	0.933	-.2558088	.2348049
tsd_age	-.0007083	.0001188	-5.96	0.000	-.0009412	-.0004754
doage2	2.66e-06	.0001077	0.02	0.980	-.0002084	.0002137
doage2miss_flag	-.0158843	.1252348	-0.13	0.899	-.2613399	.2295713
race_a	-.002324	.0049043	-0.47	0.636	-.0119362	.0072882
race_b	.0050787	.0011855	4.28	0.000	.0027551	.0074023
race_h	.0073369	.0027109	2.71	0.007	.0020235	.0126502
race_i	.0051327	.005829	0.88	0.379	-.0062919	.0165573
race_o	-.0002281	.0071493	-0.03	0.975	-.0142405	.0137842
race_mis	.0008923	.0041696	0.21	0.831	-.0072801	.0090646
tsd_edu_hs	.0036984	.0013077	2.83	0.005	.0011354	.0062614
tsd_edu_mrhs	.0091684	.0015699	5.84	0.000	.0060914	.0122453
tsd_edu_mis	.0056369	.0014851	3.80	0.000	.002726	.0085477
tsd_mie_exp	.0027082	.0026016	1.04	0.298	-.0023908	.0078072
tsd_mie_mis	.0007815	.0015498	0.50	0.614	-.0022559	.003819
tsd_mie_psbl	.0005505	.0013012	0.42	0.672	-.0019998	.0031008
tsd_medicare	-.0041866	.0013947	-3.00	0.003	-.00692	-.0014531
tsd_medicare_miss	-.0079007	.005529	-1.43	0.153	-.0187373	.0029359
tsd_depend_1	-.0027558	.0013304	-2.07	0.038	-.0053634	-.0001482
tsd_depend_2	-.0021751	.001177	-1.85	0.065	-.004482	.0001319
tsd_depend_miss	.0015968	.0037808	0.42	0.673	-.0058134	.009007
tsd_vrpr	.0136309	.0023217	5.87	0.000	.0090805	.0181813
tsd_vrpr_miss	.0089166	.0021518	4.14	0.000	.0046991	.013134
pdcgroup2	-.002316	.0015745	-1.47	0.141	-.005402	.0007699
pdcgroup3	.0027342	.0017967	1.52	0.128	-.0007874	.0062557
pdcgroup4	.0032422	.0013854	2.34	0.019	.0005268	.0059575
pdcgroup5	-.0012714	.013691	-0.09	0.926	-.0281053	.0255625
cohort2000	.0013505	.0021198	0.64	0.524	-.0028043	.0055052
cohort2001	.0078758	.0034971	2.25	0.024	.0010215	.01473
cohort2002	.0061595	.0049125	1.25	0.210	-.0034689	.0157878
cohort2003	.0081558	.0090491	0.90	0.367	-.0095802	.0258917
cohort2004	.0049413	.0095891	0.52	0.606	-.0138529	.0237356
award_b4_tsd	.0008901	.0043474	0.20	0.838	-.0076307	.0094109

diaward_tsd	-.0000958	.0001485	-0.65	0.519	-.000387	.0001953
epeb4twp_flag	-.0010778	.0441519	-0.02	0.981	-.0876139	.0854584
ldwb4twp_flag	.2677938	.0321442	8.33	0.000	.2047924	.3307953
ldwb4epe_flag	.0920958	.0132513	6.95	0.000	.0661238	.1180678
twpb4tsd	.158674	.0019711	80.50	0.000	.1548108	.1625372
epeb4tsd	.073233	.0027026	27.10	0.000	.0679361	.07853
ldwb4tsd	-.1000628	.0037946	-26.37	0.000	-.1075001	-.0926255
st_AL	.0028947	.0188967	0.15	0.878	-.0341422	.0399316
st_AR	-.0055993	.0087752	-0.64	0.523	-.0227983	.0115997
st_AZ	-.015016	.0125038	-1.20	0.230	-.039523	.009491
st_CA	-.0361881	.01373	-2.64	0.008	-.0630983	-.0092779
st_CO	-.0161768	.0149718	-1.08	0.280	-.0455211	.0131674
st_CT	-.0046603	.0094481	-0.49	0.622	-.0231783	.0138577
st_DC	-.0018333	.0092791	-0.20	0.843	-.0200201	.0163534
st_DE	-.0164548	.020194	-0.81	0.415	-.0560343	.0231247
st_FL	-.0051938	.0105705	-0.49	0.623	-.0259116	.015524
st_GA	.0012379	.01065	0.12	0.907	-.0196358	.0221116
st_HI	-.0020374	.052693	-0.04	0.969	-.1053138	.101239
st_IA	-.0065699	.0179393	-0.37	0.714	-.0417303	.0285905
st_ID	.0046799	.042725	0.11	0.913	-.0790596	.0884193
st_IL	-.0193144	.0098919	-1.95	0.051	-.0387022	.0000734
st_IN	-.0031634	.0096813	-0.33	0.744	-.0221384	.0158115
st_KS	-.0093823	.0095237	-0.99	0.325	-.0280484	.0092838
st_KY	-.0074082	.0077193	-0.96	0.337	-.0225378	.0077214
st_LA	-.0044253	.0077132	-0.57	0.566	-.0195428	.0106923
st_MA	-.0092514	.0104517	-0.89	0.376	-.0297363	.0112334
st_MD	.047363	.0198435	2.39	0.017	.0084705	.0862554
st_ME	-.0069756	.032876	-0.21	0.832	-.0714114	.0574603
st_MI	-.0064008	.0065862	-0.97	0.331	-.0193095	.006508
st_MN	.009853	.0255983	0.38	0.700	-.0403189	.0600248
st_MO	-.0055323	.0091217	-0.61	0.544	-.0234105	.0123459
st_MS	-.0025406	.0072941	-0.35	0.728	-.0168368	.0117556
st_MT	-.0045091	.0130661	-0.35	0.730	-.0301181	.0210999
st_NC	-.0315866	.0163143	-1.94	0.053	-.0635619	.0003888
st_ND	-.007511	.0153126	-0.49	0.624	-.0375232	.0225012
st_NE	-.0232183	.0436477	-0.53	0.595	-.1087663	.0623297
st_NH	-.0029672	.0118737	-0.25	0.803	-.0262392	.0203047
st_NJ	-.0008893	.0082786	-0.11	0.914	-.0171152	.0153366
st_NM	.0015307	.008881	0.17	0.863	-.0158758	.0189372
st_NV	-.0034402	.0095497	-0.36	0.719	-.0221573	.015277
st_NY	-.0101947	.0084532	-1.21	0.228	-.0267626	.0063732
st_OH	.0068379	.0161614	0.42	0.672	-.0248378	.0385137
st_OK	.0100703	.016027	0.63	0.530	-.0213421	.0414827
st_OR	-.0176475	.0140486	-1.26	0.209	-.0451823	.0098873
st_PA	-.009539	.0161163	-0.59	0.554	-.0411265	.0220484
st_PR	-.0260067	.0348213	-0.75	0.455	-.0942552	.0422417
st_RI	-.0928952	.0567256	-1.64	0.102	-.2040754	.0182849
st_SC	-.0145056	.010316	-1.41	0.160	-.0347246	.0057133
st_SD	-.0030089	.015359	-0.20	0.845	-.0331119	.0270941
st_TN	-.0023208	.0090119	-0.26	0.797	-.0199838	.0153422
st_TX	-.0148031	.0136519	-1.08	0.278	-.0415603	.0119541
st_UT	-.0221489	.0450552	-0.49	0.623	-.1104554	.0661577
st_VA	.0041825	.0124712	0.34	0.737	-.0202605	.0286255
st_VT	-.0289357	.0261044	-1.11	0.268	-.0800994	.022228
st_WA	-.0000304	.0220131	-0.00	0.999	-.0431754	.0431145
st_WI	-.0156029	.0134743	-1.16	0.247	-.0420121	.0108064
st_WV	-.0190106	.0305119	-0.62	0.533	-.0788129	.0407917
st_WY	-.0042849	.0731236	-0.06	0.953	-.1476046	.1390347
tsd_unemp_mean	.0036179	.0030715	1.18	0.239	-.0024021	.0096378
tsd_unemp_cng	.0003449	.0021396	0.16	0.872	-.0038486	.0045385
pial	-5.59e-06	5.52e-06	-1.01	0.312	-.0000164	5.24e-06
pia_miss	-.0178032	.0050959	-3.49	0.000	-.027791	-.0078154
ime1	3.30e-06	1.81e-06	1.83	0.067	-2.35e-07	6.84e-06

ime_miss	.001615	.0027279	0.59	0.554	-.0037317	.0069616
_cons	-.0021855	.0244346	-0.09	0.929	-.0500764	.0457054

ldwroll24						
mototkt	-.0003328	.0003974	-0.84	0.402	-.0011116	.000446
male	.0069609	.0013064	5.33	0.000	.0044004	.0095215
gendermiss_flag	-.0480762	.1718417	-0.28	0.780	-.3848797	.2887273
tsd_age	-.0013152	.0001631	-8.06	0.000	-.001635	-.0009955
doage2	-.0000636	.0001479	-0.43	0.667	-.0003534	.0002263
doage2miss_flag	-.0203275	.1719459	-0.12	0.906	-.3573352	.3166803
race_a	-.0036178	.0067335	-0.54	0.591	-.0168153	.0095796
race_b	.0099726	.0016277	6.13	0.000	.0067823	.0131628
race_h	.0046645	.0037221	1.25	0.210	-.0026307	.0119596
race_i	.0162368	.0080031	2.03	0.042	.0005509	.0319226
race_o	.0152159	.0098159	1.55	0.121	-.0040229	.0344547
race_mis	.0043941	.0057248	0.77	0.443	-.0068264	.0156146
tsd_edu_hs	.0042011	.0017954	2.34	0.019	.0006822	.0077201
tsd_edu_mrhs	.0158412	.0021555	7.35	0.000	.0116166	.0200658
tsd_edu_mis	.0085807	.0020391	4.21	0.000	.0045842	.0125773
tsd_mie_exp	.0031054	.0035719	0.87	0.385	-.0038955	.0101062
tsd_mie_mis	-.0029431	.0021278	-1.38	0.167	-.0071135	.0012274
tsd_mie_psbl	.0000566	.0017866	0.03	0.975	-.003445	.0035582
tsd_medicare	-.0082089	.0019149	-4.29	0.000	-.0119619	-.0044558
tsd_medicare_miss	-.0204695	.0075912	-2.70	0.007	-.035348	-.0055909
tsd_depend_1	-.0052736	.0018267	-2.89	0.004	-.0088538	-.0016934
tsd_depend_2	-.0022545	.0016161	-1.40	0.163	-.0054219	.000913
tsd_depend_miss	-.005871	.005191	-1.13	0.258	-.0160451	.0043031
tsd_vrpr	.0194349	.0031877	6.10	0.000	.0131872	.0256826
tsd_vrpr_miss	.0056915	.0029544	1.93	0.054	-.0000991	.011482
pdcgrou2	-.0044662	.0021618	-2.07	0.039	-.0087031	-.0002292
pdcgrou3	.0052069	.0024669	2.11	0.035	.0003718	.0100419
pdcgrou4	.0065345	.0019021	3.44	0.001	.0028063	.0102626
pdcgrou5	-.0120706	.0187976	-0.64	0.521	-.0489132	.024772
cohort2000	-.0004051	.0029105	-0.14	0.889	-.0061096	.0052994
cohort2001	.0075843	.0048015	1.58	0.114	-.0018265	.0169951
cohort2002	.0047441	.0067448	0.70	0.482	-.0084756	.0179637
cohort2003	.0171607	.0124243	1.38	0.167	-.0071905	.041512
cohort2004	.0083215	.0131657	0.63	0.527	-.0174828	.0341258
award_b4_tsd	.0107543	.005969	1.80	0.072	-.0009446	.0224533
diaward_tsd	-.0003086	.0002039	-1.51	0.130	-.0007083	.0000911
epeb4twp_flag	-.0881823	.0606201	-1.45	0.146	-.2069955	.0306309
ldwb4twp_flag	.4174587	.0441336	9.46	0.000	.3309584	.5039589
ldwb4epe_flag	.2365874	.0181938	13.00	0.000	.2009281	.2722467
twpb4tsd	.2181787	.0027062	80.62	0.000	.2128745	.2234828
epeb4tsd	.0693268	.0037106	18.68	0.000	.0620541	.0765995
ldwb4tsd	-.141977	.0052099	-27.25	0.000	-.1521883	-.1317657
st_AL	.0404678	.025945	1.56	0.119	-.0103835	.091319
st_AR	.005481	.0120482	0.45	0.649	-.0181331	.029095
st_AZ	.0164356	.0171675	0.96	0.338	-.0172121	.0500834
st_CA	-.0159035	.0188511	-0.84	0.399	-.0528509	.0210439
st_CO	-.0184857	.0205562	-0.90	0.369	-.0587751	.0218036
st_CT	.0123707	.0129722	0.95	0.340	-.0130543	.0377957
st_DC	.0309336	.0127402	2.43	0.015	.0059633	.0559038
st_DE	.0562903	.0277261	2.03	0.042	.0019481	.1106325
st_FL	.0215781	.0145132	1.49	0.137	-.0068672	.0500233
st_GA	.0233352	.0146224	1.60	0.111	-.0053241	.0519946
st_HI	.009661	.0723469	0.13	0.894	-.1321364	.1514583
st_IA	.0052992	.0246305	0.22	0.830	-.0429756	.053574
st_ID	.1256	.0586609	2.14	0.032	.0106267	.2405733
st_IL	-.0097329	.0135815	-0.72	0.474	-.0363521	.0168864
st_IN	.0131555	.0132923	0.99	0.322	-.0128969	.0392079
st_KS	.0095494	.0130759	0.73	0.465	-.0160789	.0351778
st_KY	.0025713	.0105985	0.24	0.808	-.0182015	.0233441

st_LA	.0137005	.0105901	1.29	0.196	-.0070558	.0344567
st_MA	.0195547	.01435	1.36	0.173	-.0085708	.0476802
st_MD	.0683526	.0272449	2.51	0.012	.0149537	.1217515
st_ME	-.0001615	.0451384	-0.00	0.997	-.0886312	.0883082
st_MI	.0066986	.0090428	0.74	0.459	-.0110249	.0244222
st_MN	.01095	.0351462	0.31	0.755	-.0579353	.0798354
st_MO	.0115518	.012524	0.92	0.356	-.0129948	.0360983
st_MS	.0113889	.0100147	1.14	0.255	-.0082396	.0310174
st_MT	.01376	.0179396	0.77	0.443	-.0214009	.0489209
st_NC	-.0256417	.0223993	-1.14	0.252	-.0695435	.01826
st_ND	.0148522	.0210241	0.71	0.480	-.0263542	.0560586
st_NE	-.0235102	.0599279	-0.39	0.695	-.1409666	.0939463
st_NH	.0275857	.0163024	1.69	0.091	-.0043664	.0595378
st_NJ	.0200916	.0113665	1.77	0.077	-.0021864	.0423695
st_NM	.0179954	.0121936	1.48	0.140	-.0059035	.0418943
st_NV	.0191468	.0131117	1.46	0.144	-.0065517	.0448452
st_NY	.0045299	.0116061	0.39	0.696	-.0182176	.0272775
st_OH	.0012325	.0221894	0.06	0.956	-.0422579	.0447229
st_OK	.0135545	.0220049	0.62	0.538	-.0295744	.0566834
st_OR	.0034619	.0192886	0.18	0.858	-.0343431	.0412669
st_PA	-.0081443	.0221276	-0.37	0.713	-.0515135	.035225
st_PR	-.0348852	.0478092	-0.73	0.466	-.1285896	.0588191
st_RI	-.1167863	.0778836	-1.50	0.134	-.2694354	.0358628
st_SC	-.0085561	.0141637	-0.60	0.546	-.0363165	.0192043
st_SD	.0215805	.0210877	1.02	0.306	-.0197506	.0629116
st_TN	.012037	.0123732	0.97	0.331	-.0122141	.0362881
st_TX	-.0130124	.0187439	-0.69	0.488	-.0497497	.0237249
st_UT	-.0174878	.0618603	-0.28	0.777	-.1387317	.103756
st_VA	.0284516	.0171228	1.66	0.097	-.0051084	.0620116
st_VT	.0061951	.0358411	0.17	0.863	-.0640521	.0764423
st_WA	-.0095729	.0302238	-0.32	0.751	-.0688104	.0496646
st_WI	-.008553	.0185001	-0.46	0.644	-.0448126	.0277065
st_WV	.0370213	.0418925	0.88	0.377	-.0450865	.1191292
st_WY	.0032581	.1003979	0.03	0.974	-.1935182	.2000343
tsd_unemp_mean	.0072191	.0042171	1.71	0.087	-.0010463	.0154844
tsd_unemp_cng	.0021131	.0029377	0.72	0.472	-.0036447	.0078708
pial	-.000012	7.59e-06	-1.59	0.112	-.0000269	2.82e-06
pia_miss	-.0249449	.0069966	-3.57	0.000	-.038658	-.0112319
ime1	6.64e-06	2.48e-06	2.68	0.007	1.78e-06	.0000115
ime_miss	-.0029373	.0037454	-0.78	0.433	-.0102782	.0044036
_cons	.0040153	.0335484	0.12	0.905	-.0617384	.0697689

ldwroll136						
mototkt	-.0001213	.0004729	-0.26	0.798	-.0010482	.0008055
male	.0089847	.0015548	5.78	0.000	.0059374	.0120319
gendermiss_flag	-.0887109	.2045056	-0.43	0.664	-.4895346	.3121127
tsd_age	-.0018683	.0001942	-9.62	0.000	-.0022488	-.0014877
doage2	-.0002066	.000176	-1.17	0.240	-.0005515	.0001383
doage2miss_flag	-.0452045	.2046296	-0.22	0.825	-.4462712	.3558622
race_a	-.0050767	.0080134	-0.63	0.526	-.0207827	.0106293
race_b	.0154092	.0019371	7.95	0.000	.0116125	.0192059
race_h	.0080321	.0044296	1.81	0.070	-.0006498	.0167139
race_i	.0178481	.0095244	1.87	0.061	-.0008194	.0365155
race_o	.0072806	.0116817	0.62	0.533	-.0156151	.0301764
race_mis	.0022632	.006813	0.33	0.740	-.0110901	.0156165
tsd_edu_hs	.0043386	.0021367	2.03	0.042	.0001507	.0085264
tsd_edu_mrhs	.0230078	.0025652	8.97	0.000	.0179802	.0280355
tsd_edu_mis	.0127933	.0024267	5.27	0.000	.0080371	.0175495
tsd_mie_exp	.0025403	.0042509	0.60	0.550	-.0057913	.0108719
tsd_mie_mis	-.0050166	.0025323	-1.98	0.048	-.0099798	-.0000534
tsd_mie_psbl	-.0011328	.0021262	-0.53	0.594	-.0053	.0030344
tsd_medicare	-.0093937	.0022788	-4.12	0.000	-.0138602	-.0049273
tsd_medicare_miss	-.0304124	.0090342	-3.37	0.001	-.0481191	-.0127057

tsd_depend_1	-.0087316	.0021739	-4.02	0.000	-.0129923	-.0044709
tsd_depend_2	-.0027714	.0019233	-1.44	0.150	-.0065409	.0009981
tsd_depend_miss	-.016013	.0061777	-2.59	0.010	-.0281211	-.003905
tsd_vrpr	.0112395	.0037936	2.96	0.003	.0038042	.0186748
tsd_vrpr_miss	-.0092304	.003516	-2.63	0.009	-.0161216	-.0023392
pdcgrou2	-.0081548	.0025727	-3.17	0.002	-.0131971	-.0031124
pdcgrou3	.0044181	.0029358	1.50	0.132	-.001336	.0101722
pdcgrou4	.0052908	.0022637	2.34	0.019	.000854	.0097276
pdcgrou5	-.0012223	.0223707	-0.05	0.956	-.0450681	.0426234
cohort2000	-.0003117	.0034637	-0.09	0.928	-.0071005	.0064771
cohort2001	.0082543	.0057142	1.44	0.149	-.0029453	.0194539
cohort2002	.0044468	.0080269	0.55	0.580	-.0112856	.0201792
cohort2003	.0350989	.014786	2.37	0.018	.006119	.0640789
cohort2004	.0289183	.0156683	1.85	0.065	-.0017909	.0596275
award_b4_tsd	.0140241	.0071036	1.97	0.048	.0001014	.0279468
diaward_tsd	-.0005027	.0002427	-2.07	0.038	-.0009784	-.000027
epeb4twp_flag	.1243894	.0721428	1.72	0.085	-.017008	.2657867
ldwb4twp_flag	.4269658	.0525226	8.13	0.000	.3240234	.5299081
ldwb4epe_flag	.3654957	.0216522	16.88	0.000	.3230582	.4079331
twpb4tsd	.2456175	.0032207	76.26	0.000	.2393052	.2519299
epeb4tsd	.05431	.0044159	12.30	0.000	.0456549	.0629651
ldwb4tsd	-.1637172	.0062003	-26.40	0.000	-.1758695	-.1515649
st_AL	.0492453	.0308767	1.59	0.111	-.0112718	.1097624
st_AR	-.0065241	.0143383	-0.46	0.649	-.0346268	.0215785
st_AZ	.0115935	.0204308	0.57	0.570	-.0284501	.0516371
st_CA	-.0156575	.0224343	-0.70	0.485	-.059628	.0283129
st_CO	-.0227871	.0244635	-0.93	0.352	-.0707347	.0251605
st_CT	.002218	.0154379	0.14	0.886	-.0280398	.0324758
st_DC	.0122325	.0151618	0.81	0.420	-.0174841	.0419491
st_DE	.0310633	.0329963	0.94	0.346	-.0336083	.095735
st_FL	.015735	.0172718	0.91	0.362	-.0181171	.0495872
st_GA	.0154857	.0174018	0.89	0.374	-.0186213	.0495926
st_HI	-.0132757	.0860987	-0.15	0.877	-.1820261	.1554747
st_IA	-.0206983	.0293122	-0.71	0.480	-.0781492	.0367527
st_ID	.105975	.0698113	1.52	0.129	-.0308525	.2428026
st_IL	-.0196108	.0161631	-1.21	0.225	-.0512899	.0120682
st_IN	.0016156	.0158189	0.10	0.919	-.0293889	.0326201
st_KS	.0045214	.0155614	0.29	0.771	-.0259785	.0350212
st_KY	-.0115519	.0126131	-0.92	0.360	-.0362732	.0131694
st_LA	.0035989	.0126031	0.29	0.775	-.0211027	.0283005
st_MA	.0290046	.0170777	1.70	0.089	-.0044671	.0624762
st_MD	.0742055	.0324236	2.29	0.022	.0106565	.1377546
st_ME	-.0242801	.0537184	-0.45	0.651	-.1295662	.081006
st_MI	-.0049904	.0107617	-0.46	0.643	-.0260829	.0161021
st_MN	-.0174494	.0418269	-0.42	0.677	-.0994286	.0645297
st_MO	-.0034497	.0149046	-0.23	0.817	-.0326621	.0257627
st_MS	.0006574	.0119183	0.06	0.956	-.0227021	.0240169
st_MT	.0114872	.0213495	0.54	0.591	-.0303571	.0533316
st_NC	-.0139447	.026657	-0.52	0.601	-.0661915	.0383302
st_ND	.0006514	.0250203	0.03	0.979	-.0483876	.0496903
st_NE	-.056147	.071319	-0.79	0.431	-.1959298	.0836357
st_NH	.0221115	.0194012	1.14	0.254	-.0159142	.0601371
st_NJ	.0109883	.013527	0.81	0.417	-.0155243	.0375008
st_NM	.0056661	.0145113	0.39	0.696	-.0227756	.0341078
st_NV	.0098103	.015604	0.63	0.530	-.0207729	.0403936
st_NY	-.0035764	.0138122	-0.26	0.796	-.0306478	.023495
st_OH	.0113199	.0264072	0.43	0.668	-.0404373	.063077
st_OK	.0624498	.0261877	2.38	0.017	.0111229	.1137767
st_OR	.000993	.022955	0.04	0.965	-.043998	.045984
st_PA	-.0313374	.0263336	-1.19	0.234	-.0829504	.0202755
st_PR	-.0535567	.0568969	-0.94	0.347	-.1650726	.0579591
st_RI	-.1563394	.0926879	-1.69	0.092	-.3380043	.0253255
st_SC	-.0277897	.016856	-1.65	0.099	-.0608269	.0052474

st_SD	.0031328	.0250961	0.12	0.901	-.0460546	.0523202
st_TN	-.0010196	.0147252	-0.07	0.945	-.0298804	.0278412
st_TX	-.0053468	.0223067	-0.24	0.811	-.0490672	.0383736
st_UT	-.0367322	.0736187	-0.50	0.618	-.1810223	.1075579
st_VA	.0180556	.0203775	0.89	0.376	-.0218836	.0579947
st_VT	-.019712	.0426538	-0.46	0.644	-.1033119	.063888
st_WA	-.0088998	.0359687	-0.25	0.805	-.0793972	.0615977
st_WI	-.0201821	.0220166	-0.92	0.359	-.0633339	.0229698
st_WV	.0671246	.0498555	1.35	0.178	-.0305904	.1648397
st_WY	.3078679	.1194817	2.58	0.010	.0736881	.5420478
tsd_unemp_mean	.0067072	.0050187	1.34	0.181	-.0031292	.0165436
tsd_unemp_cng	.0034514	.0034961	0.99	0.324	-.0034007	.0103036
pia1	-8.54e-06	9.03e-06	-0.95	0.344	-.0000262	9.15e-06
pia_miss	-.0236297	.0083265	-2.84	0.005	-.0399494	-.00731
ime1	6.60e-06	2.95e-06	2.24	0.025	8.12e-07	.0000124
ime_miss	-.0109412	.0044574	-2.45	0.014	-.0196775	-.0022049
_cons	.0686802	.0399253	1.72	0.085	-.009572	.1469324

ldwroll48						
mototkt	-.0004678	.0005287	-0.88	0.376	-.0015041	.0005685
male	.0107762	.0017384	6.20	0.000	.007369	.0141834
gendermiss_flag	-.126667	.22866	-0.55	0.580	-.5748323	.3214983
tsd_age	-.0025283	.0002171	-11.65	0.000	-.0029538	-.0021029
doage2	-.0001454	.0001968	-0.74	0.460	-.000531	.0002403
doage2miss_flag	-.0754639	.2287986	-0.33	0.742	-.523901	.3729732
race_a	-.0018988	.0089599	-0.21	0.832	-.0194599	.0156623
race_b	.0215615	.0021659	9.95	0.000	.0173164	.0258066
race_h	.0109352	.0049528	2.21	0.027	.001228	.0206425
race_i	.0185359	.0106493	1.74	0.082	-.0023363	.0394082
race_o	.0017101	.0130615	0.13	0.896	-.0238898	.0273101
race_mis	.003884	.0076177	0.51	0.610	-.0110464	.0188145
tsd_edu_hs	.0050651	.0023891	2.12	0.034	.0003826	.0097475
tsd_edu_mrhs	.0291197	.0028681	10.15	0.000	.0234983	.0347412
tsd_edu_mis	.0141365	.0027133	5.21	0.000	.0088185	.0194545
tsd_mie_exp	.0028256	.004753	0.59	0.552	-.0064901	.0121412
tsd_mie_mis	-.0064547	.0028314	-2.28	0.023	-.0120041	-.0009054
tsd_mie_psbl	-.0028962	.0023773	-1.22	0.223	-.0075556	.0017631
tsd_medicare	-.0105839	.002548	-4.15	0.000	-.0155779	-.0055899
tsd_medicare_miss	-.0407404	.0101012	-4.03	0.000	-.0605385	-.0209424
tsd_depend_1	-.0084027	.0024306	-3.46	0.001	-.0131666	-.0036387
tsd_depend_2	-.0008592	.0021504	-0.40	0.689	-.005074	.0033555
tsd_depend_miss	-.0282947	.0069073	-4.10	0.000	-.0418328	-.0147565
tsd_vrpr	-.0052019	.0042416	-1.23	0.220	-.0135154	.0031115
tsd_vrpr_miss	-.0326533	.0039313	-8.31	0.000	-.0403584	-.0249482
pdcgroup2	-.0129089	.0028765	-4.49	0.000	-.0185467	-.007271
pdcgroup3	.0034792	.0032826	1.06	0.289	-.0029545	.0099129
pdcgroup4	.0042784	.0025311	1.69	0.091	-.0006824	.0092392
pdcgroup5	-.0131327	.0250129	-0.53	0.600	-.0621571	.0358917
cohort2000	-.0031111	.0038728	-0.80	0.422	-.0107017	.0044795
cohort2001	.0021873	.0063891	0.34	0.732	-.0103351	.0147098
cohort2002	-.004135	.008975	-0.46	0.645	-.0217256	.0134556
cohort2003	.03829	.0165324	2.32	0.021	.0058872	.0706928
cohort2004	.0372004	.0175189	2.12	0.034	.002864	.0715367
award_b4_tsd	.013166	.0079426	1.66	0.097	-.0024011	.0287331
diaward_tsd	-.0007722	.0002714	-2.85	0.004	-.001304	-.0002403
epeb4twp_flag	.0895162	.0806637	1.11	0.267	-.0685818	.2476141
ldwb4twp_flag	.4915311	.0587261	8.37	0.000	.3764301	.6066321
ldwb4epe_flag	.4980542	.0242095	20.57	0.000	.4506044	.545504
twpb4tsd	.257011	.003601	71.37	0.000	.249953	.2640689
epeb4tsd	.0424332	.0049375	8.59	0.000	.0327559	.0521105
ldwb4tsd	-.1806315	.0069326	-26.06	0.000	-.1942191	-.1670439
st_AL	.0381744	.0345235	1.11	0.269	-.0294905	.1058393
st_AR	-.0198383	.0160319	-1.24	0.216	-.0512602	.0115835

st_AZ	.0019025	.0228439	0.08	0.934	-.0428706	.0466757
st_CA	-.0268918	.025084	-1.07	0.284	-.0760556	.022272
st_CO	-.0403303	.0273529	-1.47	0.140	-.093941	.0132805
st_CT	-.0138761	.0172613	-0.80	0.421	-.0477077	.0199555
st_DC	.0055284	.0169526	0.33	0.744	-.0276981	.0387549
st_DE	.0199331	.0368936	0.54	0.589	-.052377	.0922431
st_FL	.0142149	.0193118	0.74	0.462	-.0236356	.0520654
st_GA	.0022473	.0194572	0.12	0.908	-.0358881	.0403826
st_HI	-.0381418	.0962679	-0.40	0.692	-.2268235	.1505399
st_IA	-.0110505	.0327743	-0.34	0.736	-.075287	.0531861
st_ID	.1939245	.0780567	2.48	0.013	.0409361	.3469129
st_IL	-.0462349	.0180721	-2.56	0.011	-.0816556	-.0108142
st_IN	-.0145991	.0176873	-0.83	0.409	-.0492656	.0200673
st_KS	-.005387	.0173994	-0.31	0.757	-.0394892	.0287152
st_KY	-.0268605	.0141029	-1.90	0.057	-.0545017	.0007806
st_LA	-.0085433	.0140917	-0.61	0.544	-.0361624	.0190759
st_MA	.0155695	.0190947	0.82	0.415	-.0218556	.0529945
st_MD	.0797577	.0362532	2.20	0.028	.0087028	.1508126
st_ME	-.0484893	.0600631	-0.81	0.419	-.1662109	.0692322
st_MI	-.0188159	.0120327	-1.56	0.118	-.0423996	.0047678
st_MN	-.0114191	.0467671	-0.24	0.807	-.1030809	.0802427
st_MO	-.0170737	.016665	-1.02	0.306	-.0497364	.015589
st_MS	-.0141858	.013326	-1.06	0.287	-.0403043	.0119327
st_MT	-.0117747	.0238712	-0.49	0.622	-.0585613	.0350119
st_NC	.0102949	.0298055	0.35	0.730	-.0481227	.0687125
st_ND	-.007419	.0279755	-0.27	0.791	-.06225	.047412
st_NE	-.0893928	.0797426	-1.12	0.262	-.2456854	.0668998
st_NH	.0191446	.0216927	0.88	0.377	-.0233723	.0616615
st_NJ	-.0030921	.0151247	-0.20	0.838	-.032736	.0265519
st_NM	-.0049405	.0162253	-0.30	0.761	-.0367414	.0268605
st_NV	-.0016424	.017447	-0.09	0.925	-.0358379	.032553
st_NY	-.0104983	.0154436	-0.68	0.497	-.0407672	.0197705
st_OH	-.0054649	.0295262	-0.19	0.853	-.0633351	.0524053
st_OK	.037048	.0292807	1.27	0.206	-.0203411	.0944372
st_OR	-.017656	.0256663	-0.69	0.492	-.067961	.0326489
st_PA	-.0461088	.0294439	-1.57	0.117	-.1038177	.0116002
st_PR	-.0782356	.063617	-1.23	0.219	-.2029227	.0464514
st_RI	-.1877606	.1036353	-1.81	0.070	-.3908821	.0153609
st_SC	-.0528503	.0188469	-2.80	0.005	-.0897895	-.0159112
st_SD	-.0140405	.0280602	-0.50	0.617	-.0690374	.0409565
st_TN	-.0175898	.0164644	-1.07	0.285	-.0498594	.0146798
st_TX	-.0081233	.0249414	-0.33	0.745	-.0570075	.040761
st_UT	-.0580465	.0823139	-0.71	0.481	-.2193788	.1032858
st_VA	.0039335	.0227843	0.17	0.863	-.0407229	.0485899
st_VT	-.0481561	.0476917	-1.01	0.313	-.1416301	.0453179
st_WA	-.0109517	.0402171	-0.27	0.785	-.0897756	.0678723
st_WI	-.0358082	.0246171	-1.45	0.146	-.0840568	.0124403
st_WV	.0390214	.055744	0.70	0.484	-.0702349	.1482777
st_WY	.2731056	.1335938	2.04	0.041	.0112666	.5349446
tsd_unemp_mean	.0070537	.0056114	1.26	0.209	-.0039445	.0180519
tsd_unemp_cng	.0023371	.003909	0.60	0.550	-.0053243	.0099986
pial	-6.07e-06	.0000101	-0.60	0.548	-.0000258	.0000137
pia_miss	-.0138489	.00931	-1.49	0.137	-.0320961	.0043983
ime1	4.69e-06	3.30e-06	1.42	0.155	-1.78e-06	.0000112
ime_miss	-.0209857	.0049838	-4.21	0.000	-.0307538	-.0112176
_cons	.1487666	.0446409	3.33	0.001	.0612719	.2362612

Endogenous variables: ldwroll12 ldwroll24 ldwroll36 ldwroll48 mototkt
Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000

cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
 epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd
 st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
 st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
 st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
 st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
 st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss imel
 ime_miss imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19

(1) 12*[ldwroll12]mototkt + 12*[ldwroll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0049509	.0075736	-0.65	0.513	-.0197949	.0098931

(1) 12*[ldwroll12]mototkt + 12*[ldwroll24]mototkt + 12*[ldwroll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0064067	.0124517	-0.51	0.607	-.0308115	.0179981

(1) 12*[ldwroll12]mototkt + 12*[ldwroll24]mototkt + 12*[ldwroll36]mototkt + 12*[ldwroll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0120202	.0179363	-0.67	0.503	-.0471747	.0231344

phase 2 dependent variable: eperoll, unemployment: unemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
eperoll12	77128	99	.1403144	0.1171	10226.69	0.0000
eperoll24	77128	99	.1940801	0.1190	10415.68	0.0000
eperoll36	77128	99	.2326233	0.1173	10244.12	0.0000
eperoll48	77128	99	.2564641	0.1148	10003.67	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
eperoll12						
mototkt	.0003516	.0003247	1.08	0.279	-.0002848	.0009881
male	.002572	.0010676	2.41	0.016	.0004795	.0046645
gendermiss_flag	-.0235105	.1404318	-0.17	0.867	-.2987518	.2517308
tsd_age	-.0006346	.0001333	-4.76	0.000	-.0008959	-.0003733
doage2	-.0000942	.0001208	-0.78	0.436	-.0003311	.0001426
doage2miss_flag	-.0125554	.140517	-0.09	0.929	-.2879636	.2628528
race_a	-.0002572	.0055027	-0.05	0.963	-.0110423	.010528
race_b	.0041088	.0013302	3.09	0.002	.0015016	.0067159
race_h	-.0044545	.0030418	-1.46	0.143	-.0104162	.0015072
race_i	-.0017785	.0065403	-0.27	0.786	-.0145972	.0110403
race_o	-.0096401	.0080217	-1.20	0.229	-.0253624	.0060822

race_mis	.000882	.0046784	0.19	0.850	-.0082875	.0100516
tsd_edu_hs	.0022153	.0014672	1.51	0.131	-.0006605	.005091
tsd_edu_mrhs	.0059493	.0017615	3.38	0.001	.0024969	.0094017
tsd_edu_mis	.008355	.0016664	5.01	0.000	.0050889	.011621
tsd_mie_exp	-.0067836	.002919	-2.32	0.020	-.0125048	-.0010623
tsd_mie_mis	-.0084838	.0017389	-4.88	0.000	-.0118919	-.0050756
tsd_mie_psbl	-.007399	.00146	-5.07	0.000	-.0102606	-.0045375
tsd_medicare	-.0060166	.0015649	-3.84	0.000	-.0090837	-.0029496
tsd_medicare_miss	-.0109555	.0062037	-1.77	0.077	-.0231145	.0012034
tsd_depend_1	-.0041162	.0014928	-2.76	0.006	-.007042	-.0011904
tsd_depend_2	-.001904	.0013207	-1.44	0.149	-.0044924	.0006845
tsd_depend_miss	-.0115679	.0042422	-2.73	0.006	-.0198823	-.0032534
tsd_vrpr	.0175748	.002605	6.75	0.000	.0124691	.0226806
tsd_vrpr_miss	.0053959	.0024144	2.23	0.025	.0006638	.0101281
pdcgroup2	.0025561	.0017666	1.45	0.148	-.0009064	.0060186
pdcgroup3	.0025462	.002016	1.26	0.207	-.0014051	.0064975
pdcgroup4	.0030201	.0015545	1.94	0.052	-.0000265	.0060668
pdcgroup5	-.0026394	.0153617	-0.17	0.864	-.0327478	.027469
cohort2000	-.0016329	.0023785	-0.69	0.492	-.0062947	.0030288
cohort2001	.0002876	.0039239	0.07	0.942	-.0074031	.0079783
cohort2002	.0043352	.005512	0.79	0.432	-.0064681	.0151385
cohort2003	.0157829	.0101534	1.55	0.120	-.0041173	.0356831
cohort2004	-.0106835	.0107592	-0.99	0.321	-.0317712	.0104042
award_b4_tsd	.0003584	.0048779	0.07	0.941	-.0092022	.0099189
diaward_tsd	-.0003079	.0001667	-1.85	0.065	-.0006345	.0000188
epeb4twp_flag	-.0160734	.0495397	-0.32	0.746	-.1131694	.0810227
ldwb4twp_flag	.0346652	.0360667	0.96	0.336	-.0360243	.1053546
ldwb4epe_flag	.0963407	.0148683	6.48	0.000	.0671993	.125482
twpb4tsd	.2086317	.0022116	94.34	0.000	.2042971	.2129664
epeb4tsd	-.0744842	.0030324	-24.56	0.000	-.0804275	-.0685408
ldwb4tsd	-.0490755	.0042577	-11.53	0.000	-.0574203	-.0407306
st_AL	-.0213057	.0212027	-1.00	0.315	-.0628622	.0202508
st_AR	-.0137993	.009846	-1.40	0.161	-.0330971	.0054985
st_AZ	-.0085376	.0140296	-0.61	0.543	-.0360351	.0189599
st_CA	-.0292565	.0154054	-1.90	0.058	-.0594506	.0009375
st_CO	-.0176828	.0167988	-1.05	0.293	-.050608	.0152423
st_CT	-.0026555	.0106011	-0.25	0.802	-.0234332	.0181222
st_DC	.0076578	.0104115	0.74	0.462	-.0127483	.0280639
st_DE	-.0300577	.0226582	-1.33	0.185	-.074467	.0143516
st_FL	-.0051881	.0118604	-0.44	0.662	-.028434	.0180578
st_GA	-.0100027	.0119497	-0.84	0.403	-.0334236	.0134182
st_HI	-.0186416	.0591231	-0.32	0.753	-.1345207	.0972375
st_IA	-.0216004	.0201284	-1.07	0.283	-.0610514	.0178505
st_ID	-.0157553	.0479386	-0.33	0.742	-.1097133	.0782027
st_IL	-.014404	.011099	-1.30	0.194	-.0361577	.0073497
st_IN	-.0086838	.0108627	-0.80	0.424	-.0299743	.0126066
st_KS	-.0034858	.0106859	-0.33	0.744	-.0244297	.0174581
st_KY	-.015543	.0086613	-1.79	0.073	-.0325188	.0014329
st_LA	-.0044634	.0086544	-0.52	0.606	-.0214258	.0124989
st_MA	.0087326	.0117271	0.74	0.456	-.014252	.0317172
st_MD	.0193213	.0222649	0.87	0.386	-.0243171	.0629598
st_ME	-.0210144	.0368878	-0.57	0.569	-.0933133	.0512844
st_MI	-.0000216	.0073899	-0.00	0.998	-.0145055	.0144624
st_MN	-.0009429	.0287221	-0.03	0.974	-.0572371	.0553513
st_MO	-.0079828	.0102348	-0.78	0.435	-.0280427	.012077
st_MS	-.0037925	.0081842	-0.46	0.643	-.0198332	.0122482
st_MT	-.0043618	.0146605	-0.30	0.766	-.0330959	.0243723
st_NC	-.0400275	.0183051	-2.19	0.029	-.0759048	-.0041503
st_ND	-.0008786	.0171812	-0.05	0.959	-.0345532	.0327959
st_NE	-.048196	.048974	-0.98	0.325	-.1441833	.0477913
st_NH	.0036224	.0133226	0.27	0.786	-.0224894	.0297342
st_NJ	-.0004958	.0092889	-0.05	0.957	-.0187017	.0177101
st_NM	-.0007328	.0099648	-0.07	0.941	-.0202634	.0187978

st_NV	-.0057989	.0107151	-0.54	0.588	-.0268001	.0152023
st_NY	-.0037456	.0094847	-0.39	0.693	-.0223352	.0148441
st_OH	-.0185441	.0181335	-1.02	0.306	-.0540851	.016997
st_OK	-.0215529	.0179828	-1.20	0.231	-.0567985	.0136927
st_OR	-.0117773	.015763	-0.75	0.455	-.0426721	.0191176
st_PA	-.0135777	.018083	-0.75	0.453	-.0490197	.0218643
st_PR	.0059923	.0390705	0.15	0.878	-.0705844	.082569
st_RI	-.0936441	.0636478	-1.47	0.141	-.2183914	.0311033
st_SC	.0061528	.0115748	0.53	0.595	-.0165335	.028839
st_SD	-.0117459	.0172332	-0.68	0.496	-.0455224	.0220305
st_TN	-.0072774	.0101116	-0.72	0.472	-.0270958	.012541
st_TX	-.0274442	.0153178	-1.79	0.073	-.0574665	.0025781
st_UT	.0872955	.0505532	1.73	0.084	-.011787	.1863779
st_VA	-.0075331	.013993	-0.54	0.590	-.0349588	.0198927
st_VT	-.0426901	.0292899	-1.46	0.145	-.1000972	.0147171
st_WA	.0831167	.0246994	3.37	0.001	.0347069	.1315266
st_WI	-.0155891	.0151186	-1.03	0.302	-.045221	.0140428
st_WV	.027704	.0342353	0.81	0.418	-.0393959	.0948038
st_WY	-.019966	.0820468	-0.24	0.808	-.1807748	.1408427
tsd_unemp_mean	-.001816	.0034463	-0.53	0.598	-.0085706	.0049386
tsd_unemp_cng	.0025657	.0024007	1.07	0.285	-.0021396	.007271
pial	-6.82e-06	6.20e-06	-1.10	0.271	-.000019	5.33e-06
pia_miss	-.0155976	.0057177	-2.73	0.006	-.0268042	-.0043911
ime1	2.75e-06	2.03e-06	1.36	0.174	-1.22e-06	6.72e-06
ime_miss	.0000207	.0030608	0.01	0.995	-.0059784	.0060198
_cons	.0566044	.0274163	2.06	0.039	.0028694	.1103393

eperoll24						
mototkt	.0001622	.0004492	0.36	0.718	-.0007181	.0010425
male	.0035719	.0014767	2.42	0.016	.0006776	.0064662
gendermiss_flag	-.0863293	.1942425	-0.44	0.657	-.4670376	.2943789
tsd_age	-.0014429	.0001844	-7.82	0.000	-.0018043	-.0010814
doage2	-.0000606	.0001671	-0.36	0.717	-.0003882	.000267
doage2miss_flag	-.0381147	.1943603	-0.20	0.845	-.4190539	.3428244
race_a	.005852	.0076113	0.77	0.442	-.0090658	.0207699
race_b	.009878	.0018399	5.37	0.000	.0062719	.0134842
race_h	-.0069621	.0042073	-1.65	0.098	-.0152083	.001284
race_i	-.0023977	.0090464	-0.27	0.791	-.0201284	.0153329
race_o	-.0036436	.0110955	-0.33	0.743	-.0253903	.0181031
race_mis	.0020675	.0064711	0.32	0.749	-.0106156	.0147507
tsd_edu_hs	.0033965	.0020295	1.67	0.094	-.0005812	.0073741
tsd_edu_mrhs	.0168217	.0024364	6.90	0.000	.0120464	.021597
tsd_edu_mis	.013342	.0023049	5.79	0.000	.0088245	.0178595
tsd_mie_exp	-.0106525	.0040376	-2.64	0.008	-.018566	-.002739
tsd_mie_mis	-.0127778	.0024052	-5.31	0.000	-.0174919	-.0080638
tsd_mie_psbl	-.009795	.0020194	-4.85	0.000	-.0137531	-.005837
tsd_medicare	-.0109918	.0021645	-5.08	0.000	-.0152341	-.0067495
tsd_medicare_miss	-.0303518	.0085808	-3.54	0.000	-.0471698	-.0135337
tsd_depend_1	-.0076744	.0020648	-3.72	0.000	-.0117214	-.0036275
tsd_depend_2	-.0035297	.0018267	-1.93	0.053	-.0071101	.0000506
tsd_depend_mis	-.0207621	.0058677	-3.54	0.000	-.0322625	-.0092617
tsd_vrpr	.0132994	.0036032	3.69	0.000	.0062373	.0203616
tsd_vrpr_miss	-.0159415	.0033395	-4.77	0.000	-.0224868	-.0093961
pdcgrou2	.0007505	.0024436	0.31	0.759	-.0040388	.0055398
pdcgrou3	.001277	.0027885	0.46	0.647	-.0041883	.0067423
pdcgrou4	.0013705	.0021501	0.64	0.524	-.0028436	.0055846
pdcgrou5	-.0205608	.021248	-0.97	0.333	-.0622062	.0210845
cohort2000	-.0051534	.0032899	-1.57	0.117	-.0116015	.0012947
cohort2001	-.0049745	.0054274	-0.92	0.359	-.015612	.0056631
cohort2002	-.0008113	.0076241	-0.11	0.915	-.0157542	.0141316
cohort2003	.036018	.0140439	2.56	0.010	.0084924	.0635436
cohort2004	-.0063883	.0148819	-0.43	0.668	-.0355564	.0227797
award_b4_tsd	.0077127	.0067471	1.14	0.253	-.0055113	.0209367

diaward_tsd	-.0006494	.0002305	-2.82	0.005	-.0011012	-.0001976
epeb4twp_flag	-.0116907	.0685224	-0.17	0.865	-.145992	.1226106
ldwb4twp_flag	.0359651	.0498867	0.72	0.471	-.0618111	.1337413
ldwb4epe_flag	.2257821	.0205655	10.98	0.000	.1854744	.2660899
twpb4tsd	.2736417	.003059	89.45	0.000	.2676461	.2796372
epeb4tsd	-.121685	.0041943	-29.01	0.000	-.1299057	-.1134643
ldwb4tsd	-.0724342	.0058891	-12.30	0.000	-.0839767	-.0608918
st_AL	.0301832	.0293271	1.03	0.303	-.0272969	.0876633
st_AR	-.0144484	.0136188	-1.06	0.289	-.0411407	.0122439
st_AZ	-.0072304	.0194055	-0.37	0.709	-.0452643	.0308036
st_CA	.0095635	.0213084	0.45	0.654	-.0322002	.0513273
st_CO	-.0388471	.0232358	-1.67	0.095	-.0843885	.0066943
st_CT	.0108691	.0146632	0.74	0.459	-.0178702	.0396084
st_DC	.0262061	.0144009	1.82	0.069	-.0020192	.0544314
st_DE	.0021508	.0313404	0.07	0.945	-.0592753	.0635769
st_FL	.0027224	.016405	0.17	0.868	-.0294309	.0348757
st_GA	-.0097825	.0165285	-0.59	0.554	-.0421778	.0226128
st_HI	-.0316868	.0817779	-0.39	0.698	-.1919684	.1285949
st_IA	-.0077111	.0278412	-0.28	0.782	-.0622788	.0468567
st_ID	-.0288647	.0663078	-0.44	0.663	-.1588256	.1010962
st_IL	-.0018515	.0153519	-0.12	0.904	-.0319407	.0282378
st_IN	-.0053022	.015025	-0.35	0.724	-.0347507	.0241463
st_KS	.0055978	.0147805	0.38	0.705	-.0233714	.034567
st_KY	-.0180166	.0119801	-1.50	0.133	-.0414972	.0054641
st_LA	-.0013384	.0119706	-0.11	0.911	-.0248004	.0221235
st_MA	.0307414	.0162206	1.90	0.058	-.0010505	.0625332
st_MD	.050375	.0307964	1.64	0.102	-.0099849	.1107348
st_ME	-.0367882	.0510225	-0.72	0.471	-.1367906	.0632141
st_MI	.0025619	.0102216	0.25	0.802	-.017472	.0225959
st_MN	.0462538	.0397278	1.16	0.244	-.0316112	.1241189
st_MO	-.0086346	.0141566	-0.61	0.542	-.036381	.0191118
st_MS	-.0049281	.0113202	-0.44	0.663	-.0271153	.0172591
st_MT	-.0057785	.0202781	-0.28	0.776	-.0455228	.0339659
st_NC	.0013068	.0253192	0.05	0.959	-.0483179	.0509315
st_ND	.0028122	.0237647	0.12	0.906	-.0437657	.0493902
st_NE	-.078575	.0677399	-1.16	0.246	-.2113428	.0541927
st_NH	.0126479	.0184275	0.69	0.492	-.0234695	.0487652
st_NJ	.0026557	.0128482	0.21	0.836	-.0225263	.0278377
st_NM	.0048456	.0137831	0.35	0.725	-.0221688	.0318599
st_NV	-.0019561	.0148209	-0.13	0.895	-.0310045	.0270923
st_NY	.0010585	.013119	0.08	0.936	-.0246543	.0267714
st_OH	-.0462636	.0250819	-1.84	0.065	-.0954233	.002896
st_OK	-.0020317	.0248734	-0.08	0.935	-.0507828	.0467193
st_OR	-.0229506	.021803	-1.05	0.293	-.0656837	.0197826
st_PA	-.0308437	.025012	-1.23	0.218	-.0798664	.0181791
st_PR	-.0073709	.0540415	-0.14	0.892	-.1132903	.0985485
st_RI	-.1301282	.0880363	-1.48	0.139	-.3026762	.0424198
st_SC	-.0078866	.0160101	-0.49	0.622	-.0392658	.0234925
st_SD	.0021649	.0238366	0.09	0.928	-.044554	.0488838
st_TN	-.0068078	.0139862	-0.49	0.626	-.0342202	.0206046
st_TX	-.0433995	.0211873	-2.05	0.041	-.0849258	-.0018732
st_UT	.0689141	.0699242	0.99	0.324	-.0681348	.205963
st_VA	-.0007802	.0193548	-0.04	0.968	-.038715	.0371546
st_VT	-.0674292	.0405132	-1.66	0.096	-.1468337	.0119752
st_WA	.085002	.0341637	2.49	0.013	.0180425	.1519615
st_WI	-.0091427	.0209117	-0.44	0.662	-.050129	.0318435
st_WV	.0088012	.0473535	0.19	0.853	-.08401	.1016125
st_WY	.2907743	.1134855	2.56	0.010	.0683469	.5132018
tsd_unemp_mean	-.0010273	.0047668	-0.22	0.829	-.0103701	.0083155
tsd_unemp_cng	.0015219	.0033206	0.46	0.647	-.0049864	.0080302
pial	-9.77e-06	8.57e-06	-1.14	0.255	-.0000266	7.04e-06
pia_miss	-.0185796	.0079087	-2.35	0.019	-.0340802	-.0030789
imel	3.66e-06	2.80e-06	1.30	0.192	-1.84e-06	9.15e-06

ime_miss	-.0099443	.0042337	-2.35	0.019	-.0182422	-.0016465
_cons	.1309294	.0379217	3.45	0.001	.0566043	.2052545

eperoll136						
mototkt	.0001974	.0005384	0.37	0.714	-.0008578	.0012525
male	.0050544	.00177	2.86	0.004	.0015852	.0085235
gendermiss_flag	-.1506778	.2328179	-0.65	0.518	-.6069924	.3056369
tsd_age	-.0022824	.000221	-10.33	0.000	-.0027156	-.0018492
doage2	-.0000473	.0002003	-0.24	0.813	-.0004399	.0003454
doage2miss_flag	-.078998	.2329591	-0.34	0.735	-.5355894	.3775934
race_a	.0033061	.0091228	0.36	0.717	-.0145744	.0211865
race_b	.0164899	.0022053	7.48	0.000	.0121676	.0208122
race_h	-.0081914	.0050428	-1.62	0.104	-.0180752	.0016923
race_i	-.0026105	.010843	-0.24	0.810	-.0238623	.0186413
race_o	-.008777	.013299	-0.66	0.509	-.0348424	.0172885
race_mis	.0021211	.0077562	0.27	0.784	-.0130809	.017323
tsd_edu_hs	.0053992	.0024325	2.22	0.026	.0006316	.0101668
tsd_edu_mrhs	.0243507	.0029203	8.34	0.000	.018627	.0300743
tsd_edu_mis	.0156916	.0027626	5.68	0.000	.010277	.0211063
tsd_mie_exp	-.0118115	.0048394	-2.44	0.015	-.0212965	-.0023264
tsd_mie_mis	-.0166985	.0028829	-5.79	0.000	-.0223488	-.0110482
tsd_mie_psbl	-.0132054	.0024205	-5.46	0.000	-.0179495	-.0084613
tsd_medicare	-.0150534	.0025943	-5.80	0.000	-.0201382	-.0099687
tsd_medicare_miss	-.0461914	.0102849	-4.49	0.000	-.0663495	-.0260334
tsd_depend_1	-.0108802	.0024748	-4.40	0.000	-.0157308	-.0060296
tsd_depend_2	-.0033197	.0021895	-1.52	0.129	-.0076111	.0009716
tsd_depend_miss	-.027641	.0070329	-3.93	0.000	-.0414253	-.0138567
tsd_vrpr	-.0087963	.0043188	-2.04	0.042	-.0172609	-.0003316
tsd_vrpr_miss	-.0520501	.0040027	-13.00	0.000	-.0598953	-.0442049
pdcgrou2	-.0048249	.0029288	-1.65	0.099	-.0105653	.0009155
pdcgrou3	-.0002732	.0033423	-0.08	0.935	-.0068239	.0062775
pdcgrou4	-.0013987	.0025771	-0.54	0.587	-.0064497	.0036523
pdcgrou5	-.0179353	.0254677	-0.70	0.481	-.0678512	.0319805
cohort2000	-.0077729	.0039433	-1.97	0.049	-.0155016	-.0000443
cohort2001	-.0068202	.0065053	-1.05	0.294	-.0195704	.0059299
cohort2002	-.0027539	.0091382	-0.30	0.763	-.0206643	.0151566
cohort2003	.0620132	.016833	3.68	0.000	.0290212	.0950052
cohort2004	.0363683	.0178374	2.04	0.041	.0014076	.071329
award_b4_tsd	.005181	.008087	0.64	0.522	-.0106692	.0210312
diaward_tsd	-.0008703	.0002763	-3.15	0.002	-.0014118	-.0003287
epeb4twp_flag	-.0048264	.0821305	-0.06	0.953	-.1657992	.1561464
ldwb4twp_flag	.0284251	.0597939	0.48	0.635	-.0887689	.145619
ldwb4epe_flag	.3605146	.0246497	14.63	0.000	.312202	.4088272
twpb4tsd	.3022945	.0036665	82.45	0.000	.2951082	.3094808
epeb4tsd	-.1542449	.0050273	-30.68	0.000	-.1640982	-.1443916
ldwb4tsd	-.0900562	.0070586	-12.76	0.000	-.1038909	-.0762215
st_AL	.0120137	.0351513	0.34	0.733	-.0568816	.080909
st_AR	-.030307	.0163234	-1.86	0.063	-.0623002	.0016862
st_AZ	-.0262828	.0232593	-1.13	0.258	-.0718702	.0193045
st_CA	-.0047649	.0255402	-0.19	0.852	-.0548227	.0452929
st_CO	-.0639596	.0278503	-2.30	0.022	-.1185452	-.009374
st_CT	.0018242	.0175752	0.10	0.917	-.0326226	.0362709
st_DC	.0034564	.0172609	0.20	0.841	-.0303742	.0372871
st_DE	-.0280685	.0375644	-0.75	0.455	-.1016934	.0455565
st_FL	-.0047557	.019663	-0.24	0.809	-.0432945	.033783
st_GA	-.0206923	.019811	-1.04	0.296	-.0595211	.0181365
st_HI	-.0581216	.0980185	-0.59	0.553	-.2502342	.133991
st_IA	-.0029694	.0333703	-0.09	0.929	-.068374	.0624352
st_ID	.0544329	.0794761	0.68	0.493	-.1013375	.2102032
st_IL	-.0245907	.0184007	-1.34	0.181	-.0606554	.0114741
st_IN	-.0183355	.0180089	-1.02	0.309	-.0536323	.0169613
st_KS	-.0068836	.0177158	-0.39	0.698	-.041606	.0278387
st_KY	-.039765	.0143593	-2.77	0.006	-.0679088	-.0116213

st_LA	-.0184606	.0143479	-1.29	0.198	-.0465819	.0096608
st_MA	.0226276	.019442	1.16	0.244	-.015478	.0607331
st_MD	.032253	.0369124	0.87	0.382	-.040094	.1045999
st_ME	-.0688826	.0611553	-1.13	0.260	-.1887448	.0509796
st_MI	-.0162517	.0122515	-1.33	0.185	-.0402643	.0077609
st_MN	.0089575	.0476175	0.19	0.851	-.0843711	.1022861
st_MO	-.0256588	.016968	-1.51	0.130	-.0589154	.0075979
st_MS	-.0248199	.0135683	-1.83	0.067	-.0514134	.0017735
st_MT	-.0168686	.0243052	-0.69	0.488	-.064506	.0307688
st_NC	-.0151282	.0303474	-0.50	0.618	-.0746081	.0443516
st_ND	-.0083589	.0284842	-0.29	0.769	-.064187	.0474691
st_NE	-.0116016	.0811926	-0.14	0.886	-.1707362	.147533
st_NH	.0179452	.0220872	0.81	0.417	-.0253449	.0612352
st_NJ	-.0105236	.0153998	-0.68	0.494	-.0407066	.0196594
st_NM	-.0084079	.0165203	-0.51	0.611	-.0407871	.0239713
st_NV	-.0085801	.0177642	-0.48	0.629	-.0433973	.0262372
st_NY	-.0063786	.0157244	-0.41	0.685	-.0371978	.0244407
st_OH	-.063011	.0300631	-2.10	0.036	-.1219335	-.0040884
st_OK	.0134068	.0298132	0.45	0.653	-.0450259	.0718395
st_OR	-.0326564	.026133	-1.25	0.211	-.083876	.0185633
st_PA	-.0521104	.0299793	-1.74	0.082	-.1108687	.0066479
st_PR	-.0525647	.0647738	-0.81	0.417	-.1795191	.0743896
st_RI	.0259886	.1055198	0.25	0.805	-.1808265	.2328036
st_SC	-.0366138	.0191896	-1.91	0.056	-.0742246	.0009971
st_SD	-.018101	.0285704	-0.63	0.526	-.074098	.037896
st_TN	-.0256311	.0167637	-1.53	0.126	-.0584874	.0072252
st_TX	-.0229405	.0253949	-0.90	0.366	-.0727137	.0268327
st_UT	.0389597	.0838107	0.46	0.642	-.1253063	.2032256
st_VA	-.0093733	.0231986	-0.40	0.686	-.0548417	.0360952
st_VT	-.0652076	.0485589	-1.34	0.179	-.1603813	.0299661
st_WA	.0685426	.0409484	1.67	0.094	-.0117147	.1487998
st_WI	-.0466185	.0250647	-1.86	0.063	-.0957444	.0025074
st_WV	.0269745	.0567577	0.48	0.635	-.0842685	.1382174
st_WY	.2464175	.136023	1.81	0.070	-.0201827	.5130178
tsd_unemp_mean	.0013668	.0057135	0.24	0.811	-.0098314	.012565
tsd_unemp_cng	.0029712	.0039801	0.75	0.455	-.0048296	.010772
pial	2.14e-06	.0000103	0.21	0.835	-.000018	.0000223
pia_miss	-.014054	.0094793	-1.48	0.138	-.032633	.004525
ime1	-1.33e-06	3.36e-06	-0.40	0.691	-7.92e-06	5.25e-06
ime_miss	-.0246532	.0050745	-4.86	0.000	-.0345989	-.0147074
_cons	.2222813	.0454527	4.89	0.000	.1331957	.3113669

eperoll48						
mototkt	-.0001004	.0005935	-0.17	0.866	-.0012637	.0010629
male	.0047504	.0019514	2.43	0.015	.0009257	.008575
gendermiss_flag	-.1983858	.2566787	-0.77	0.440	-.7014667	.3046951
tsd_age	-.0030529	.0002437	-12.53	0.000	-.0035305	-.0025753
doage2	.000077	.0002209	0.35	0.727	-.0003559	.0005099
doage2miss_flag	-.0995081	.2568343	-0.39	0.698	-.6028941	.4038779
race_a	.0036663	.0100578	0.36	0.715	-.0160466	.0233792
race_b	.0170572	.0024313	7.02	0.000	.012292	.0218225
race_h	-.0047993	.0055597	-0.86	0.388	-.0156961	.0060974
race_i	-.0026201	.0119542	-0.22	0.827	-.02605	.0208097
race_o	-.0071522	.0146619	-0.49	0.626	-.0358891	.0215846
race_mis	-.0028254	.0085512	-0.33	0.741	-.0195853	.0139346
tsd_edu_hs	.0076959	.0026818	2.87	0.004	.0024397	.0129521
tsd_edu_mrhs	.030298	.0032196	9.41	0.000	.0239877	.0366083
tsd_edu_mis	.0182082	.0030458	5.98	0.000	.0122386	.0241778
tsd_mie_exp	-.012514	.0053354	-2.35	0.019	-.0229712	-.0020569
tsd_mie_mis	-.0170229	.0031783	-5.36	0.000	-.0232523	-.0107936
tsd_mie_psbl	-.0118192	.0026686	-4.43	0.000	-.0170495	-.0065889
tsd_medicare	-.017807	.0028602	-6.23	0.000	-.0234129	-.0122011
tsd_medicare_miss	-.0587614	.011339	-5.18	0.000	-.0809854	-.0365375

tsd_depend_1	-.0099307	.0027285	-3.64	0.000	-.0152784	-.0045829
tsd_depend_2	-.0002273	.0024139	-0.09	0.925	-.0049585	.0045039
tsd_depend_miss	-.037542	.0077537	-4.84	0.000	-.052739	-.022345
tsd_vrpr	-.0287005	.0047614	-6.03	0.000	-.0380326	-.0193683
tsd_vrpr_miss	-.0823047	.004413	-18.65	0.000	-.0909539	-.0736554
pdcgrou2	-.0077551	.003229	-2.40	0.016	-.0140838	-.0014264
pdcgrou3	-.0006684	.0036848	-0.18	0.856	-.0078904	.0065537
pdcgrou4	-.0026305	.0028412	-0.93	0.355	-.0081992	.0029382
pdcgrou5	-.0317761	.0280778	-1.13	0.258	-.0868077	.0232554
cohort2000	-.009984	.0043474	-2.30	0.022	-.0185047	-.0014633
cohort2001	-.010624	.007172	-1.48	0.139	-.0246808	.0034329
cohort2002	-.0057108	.0100747	-0.57	0.571	-.0254568	.0140353
cohort2003	.077565	.0185581	4.18	0.000	.0411917	.1139383
cohort2004	.0564492	.0196655	2.87	0.004	.0179055	.0949929
award_b4_tsd	.0043422	.0089158	0.49	0.626	-.0131325	.0218168
diaward_tsd	-.0009658	.0003046	-3.17	0.002	-.0015629	-.0003688
epeb4twp_flag	-.0041982	.0905478	-0.05	0.963	-.1816686	.1732722
ldwb4twp_flag	.0208505	.065922	0.32	0.752	-.1083543	.1500553
ldwb4epe_flag	.4930129	.027176	18.14	0.000	.4397489	.5462769
twpb4tsd	.3083218	.0040423	76.27	0.000	.300399	.3162445
epeb4tsd	-.1737427	.0055425	-31.35	0.000	-.1846058	-.1628795
ldwb4tsd	-.1008378	.0077821	-12.96	0.000	-.1160904	-.0855853
st_AL	-.0013714	.0387538	-0.04	0.972	-.0773275	.0745848
st_AR	-.0291729	.0179963	-1.62	0.105	-.0644451	.0060992
st_AZ	-.0233229	.025643	-0.91	0.363	-.0735823	.0269365
st_CA	-.0045872	.0281577	-0.16	0.871	-.0597753	.0506009
st_CO	-.0687755	.0307046	-2.24	0.025	-.1289554	-.0085956
st_CT	.0027828	.0193764	0.14	0.886	-.0351943	.0407599
st_DC	.0122323	.0190299	0.64	0.520	-.0250656	.0495302
st_DE	-.0068887	.0414143	-0.17	0.868	-.0880592	.0742819
st_FL	-.0002323	.0216782	-0.01	0.991	-.0427208	.0422562
st_GA	-.0193577	.0218414	-0.89	0.375	-.0621659	.0234506
st_HI	-.0680081	.1080641	-0.63	0.529	-.2798098	.1437935
st_IA	.0214622	.0367903	0.58	0.560	-.0506455	.0935699
st_ID	.0434172	.0876214	0.50	0.620	-.1283175	.2151519
st_IL	-.0320904	.0202866	-1.58	0.114	-.0718513	.0076706
st_IN	-.0178507	.0198546	-0.90	0.369	-.0567649	.0210636
st_KS	-.0002646	.0195314	-0.01	0.989	-.0385454	.0380163
st_KY	-.0402156	.015831	-2.54	0.011	-.0712438	-.0091875
st_LA	-.0132622	.0158184	-0.84	0.402	-.0442657	.0177412
st_MA	.0316106	.0214345	1.47	0.140	-.0104002	.0736215
st_MD	.0541134	.0406954	1.33	0.184	-.0256482	.133875
st_ME	-.0800338	.0674229	-1.19	0.235	-.2121803	.0521127
st_MI	-.0184847	.0135072	-1.37	0.171	-.0449583	.0079889
st_MN	.0281198	.0524977	0.54	0.592	-.0747737	.1310133
st_MO	-.0219514	.018707	-1.17	0.241	-.0586164	.0147136
st_MS	-.0259521	.0149589	-1.73	0.083	-.055271	.0033669
st_MT	-.0143118	.0267962	-0.53	0.593	-.0668314	.0382077
st_NC	-.0065224	.0334576	-0.19	0.845	-.0720982	.0590534
st_ND	.0003677	.0314035	0.01	0.991	-.0611819	.0619174
st_NE	-.0339592	.0895138	-0.38	0.704	-.209403	.1414846
st_NH	.036256	.0243508	1.49	0.137	-.0114706	.0839827
st_NJ	-.0087368	.016978	-0.51	0.607	-.0420132	.0245395
st_NM	-.0048129	.0182134	-0.26	0.792	-.0405105	.0308848
st_NV	-.0120788	.0195848	-0.62	0.537	-.0504644	.0263068
st_NY	-.0071291	.0173359	-0.41	0.681	-.0411069	.0268487
st_OH	-.0809246	.0331441	-2.44	0.015	-.1458858	-.0159633
st_OK	.0128377	.0328686	0.39	0.696	-.0515836	.077259
st_OR	-.0118394	.0288113	-0.41	0.681	-.0683085	.0446296
st_PA	-.0656143	.0330518	-1.99	0.047	-.1303945	-.000834
st_PR	-.0741175	.0714123	-1.04	0.299	-.214083	.065848
st_RI	.0122537	.1163342	0.11	0.916	-.2157571	.2402645
st_SC	-.0401329	.0211562	-1.90	0.058	-.0815983	.0013326

st_SD	-.0058191	.0314985	-0.18	0.853	-.0675551	.0559168
st_TN	-.0248871	.0184818	-1.35	0.178	-.0611107	.0113366
st_TX	-.0311823	.0279976	-1.11	0.265	-.0860566	.0236919
st_UT	.0310407	.0924002	0.34	0.737	-.1500603	.2121418
st_VA	-.0035071	.0255761	-0.14	0.891	-.0536354	.0466212
st_VT	-.0078607	.0535355	-0.15	0.883	-.1127884	.0970671
st_WA	.0481222	.045145	1.07	0.286	-.0403604	.1366048
st_WI	-.0357112	.0276335	-1.29	0.196	-.0898718	.0184494
st_WV	.0122069	.0625746	0.20	0.845	-.110437	.1348508
st_WY	.224455	.1499636	1.50	0.134	-.0694683	.5183783
tsd_unemp_mean	.0028638	.0062299	0.45	0.649	-.009482	.0152097
tsd_unemp_cng	.0005893	.004388	0.13	0.893	-.0080109	.0091896
pial	7.00e-06	.0000113	0.62	0.537	-.0000152	.0000292
pia_miss	-.0043025	.0104508	-0.41	0.681	-.0247856	.0161806
ime1	-4.31e-06	3.70e-06	-1.16	0.245	-.0000116	2.95e-06
ime_miss	-.0354518	.0055945	-6.34	0.000	-.0464168	-.0244867
_cons	.2842289	.050111	5.67	0.000	.1860131	.3824446

Endogenous variables: eperoll12 eperoll24 eperoll36 eperoll48 mototkt

Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag

race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
ebeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd ebeb4tsd ldwb4tsd
st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19

(1) 12*[eperoll12]mototkt + 12*[eperoll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.006166	.0085047	0.73	0.468	-.0105029 .0228349

(1) 12*[eperoll12]mototkt + 12*[eperoll24]mototkt + 12*[eperoll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0085347	.0139966	0.61	0.542	-.0188981 .0359675

(1) 12*[eperoll12]mototkt + 12*[eperoll24]mototkt + 12*[eperoll36]mototkt +
12*[eperoll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0073298	.0201734	0.36	0.716	-.0322094 .0468689

phase 2 dependent variable: twproll, unemployment: unemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
twproll12	77128	99	.1788941	0.0197	1549.69	0.0000
twproll24	77128	99	.2338767	0.0332	2645.22	0.0000
twproll36	77128	99	.2667827	0.0438	3534.98	0.0000
twproll48	77128	99	.2852001	0.0514	4175.07	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
twproll12					
mototkt	.0001541	.000414	0.37	0.710	-.0006574 .0009655
male	.0024595	.0013612	1.81	0.071	-.0002084 .0051274
gendermiss_flag	-.1029945	.1790438	-0.58	0.565	-.4539139 .2479249
tsd_age	-.0011707	.00017	-6.89	0.000	-.0015039 -.0008375
doage2	-3.99e-06	.0001541	-0.03	0.979	-.000306 .000298
doage2miss_flag	-.0406332	.1791524	-0.23	0.821	-.3917654 .310499
race_a	.003889	.0070157	0.55	0.579	-.0098616 .0176395
race_b	.0082134	.0016959	4.84	0.000	.0048894 .0115374
race_h	-.003381	.0038781	-0.87	0.383	-.010982 .0042199
race_i	-.0022202	.0083386	-0.27	0.790	-.0185635 .0141231
race_o	.013691	.0102273	1.34	0.181	-.0063541 .0337361
race_mis	.0068696	.0059648	1.15	0.249	-.0048211 .0185604
tsd_edu_hs	.0018588	.0018707	0.99	0.320	-.0018076 .0055252
tsd_edu_mrhs	.0115835	.0022458	5.16	0.000	.0071818 .0159852
tsd_edu_mis	.0034361	.0021246	1.62	0.106	-.000728 .0076001
tsd_mie_exp	.0014435	.0037216	0.39	0.698	-.0058508 .0087378
tsd_mie_mis	-.0044585	.002217	-2.01	0.044	-.0088037 -.0001132
tsd_mie_psbl	.0037967	.0018614	2.04	0.041	.0001484 .0074451
tsd_medicare	-.0166967	.0019951	-8.37	0.000	-.020607 -.0127863
tsd_medicare_miss	-.019367	.0079094	-2.45	0.014	-.0348691 -.0038649
tsd_depend_1	-.0059832	.0019032	-3.14	0.002	-.0097135 -.002253
tsd_depend_2	-.0012469	.0016838	-0.74	0.459	-.0045471 .0020533
tsd_depend_miss	-.0151439	.0054085	-2.80	0.005	-.0257444 -.0045434
tsd_vrpr	-.010118	.0033213	-3.05	0.002	-.0166276 -.0036085
tsd_vrpr_miss	-.035666	.0030782	-11.59	0.000	-.0416992 -.0296328
pdcgroup2	-.0061807	.0022524	-2.74	0.006	-.0105952 -.0017662
pdcgroup3	-.0060966	.0025703	-2.37	0.018	-.0111342 -.0010589
pdcgroup4	-.0047378	.0019819	-2.39	0.017	-.0086222 -.0008534
pdcgroup5	-.0057081	.0195854	-0.29	0.771	-.0440948 .0326787
cohort2000	-.0055214	.0030325	-1.82	0.069	-.011465 .0004221
cohort2001	-.0048633	.0050028	-0.97	0.331	-.0146685 .0049419
cohort2002	-.0062665	.0070275	-0.89	0.373	-.0200402 .0075072
cohort2003	.000667	.0129451	0.05	0.959	-.0247049 .0260388
cohort2004	-.0313313	.0137175	-2.28	0.022	-.0582171 -.0044455
award_b4_tsd	.0087307	.0062191	1.40	0.160	-.0034586 .02092
diaward_tsd	-.0002165	.0002125	-1.02	0.308	-.0006329 .0002
epb4twp_flag	.1058975	.0631608	1.68	0.094	-.0178953 .2296904
ldwb4twp_flag	.0147018	.0459833	0.32	0.749	-.0754238 .1048274
ldwb4epe_flag	.1853411	.0189564	9.78	0.000	.1481873 .2224949
twpb4tsd	-.0180046	.0028197	-6.39	0.000	-.0235311 -.0124782
epb4tsd	-.0323308	.0038661	-8.36	0.000	-.0399083 -.0247533
ldwb4tsd	-.0165664	.0054283	-3.05	0.002	-.0272057 -.0059271
st_AL	-.0110049	.0270324	-0.41	0.684	-.0639874 .0419776
st_AR	-.0162496	.0125532	-1.29	0.196	-.0408534 .0083541
st_AZ	-.0094792	.0178871	-0.53	0.596	-.0445372 .0255788
st_CA	.0138405	.0196411	0.70	0.481	-.0246554 .0523365
st_CO	-.037158	.0214177	-1.73	0.083	-.0791359 .0048199
st_CT	.0016368	.0135159	0.12	0.904	-.0248538 .0281274
st_DC	.0002715	.0132741	0.02	0.984	-.0257453 .0262883
st_DE	.0252698	.0288882	0.87	0.382	-.0313499 .0818896

st_FL	-.0001689	.0151214	-0.01	0.991	-.0298064	.0294685
st_GA	-.0125311	.0152352	-0.82	0.411	-.0423916	.0173294
st_HI	-.0461718	.0753791	-0.61	0.540	-.193912	.1015685
st_IA	.0096493	.0256627	0.38	0.707	-.0406488	.0599474
st_ID	-.0405492	.0611195	-0.66	0.507	-.1603411	.0792428
st_IL	-.0039084	.0141507	-0.28	0.782	-.0316433	.0238264
st_IN	-.0104084	.0138494	-0.75	0.452	-.0375527	.0167359
st_KS	-.0023528	.013624	-0.17	0.863	-.0290553	.0243497
st_KY	-.0180106	.0110427	-1.63	0.103	-.0396539	.0036328
st_LA	-.0063851	.011034	-0.58	0.563	-.0280112	.0152411
st_MA	.0336672	.0149514	2.25	0.024	.004363	.0629715
st_MD	-.048363	.0283867	-1.70	0.088	-.104	.0072739
st_ME	-.0412724	.0470302	-0.88	0.380	-.13345	.0509051
st_MI	-.0033179	.0094218	-0.35	0.725	-.0217843	.0151485
st_MN	.0525587	.0366193	1.44	0.151	-.0192137	.1243311
st_MO	-.0059236	.0130489	-0.45	0.650	-.0314989	.0196518
st_MS	-.0103938	.0104344	-1.00	0.319	-.0308449	.0100573
st_MT	-.0155986	.0186914	-0.83	0.404	-.0522331	.021036
st_NC	.0519253	.0233381	2.22	0.026	.0061836	.0976671
st_ND	-.0210013	.0219052	-0.96	0.338	-.0639347	.0219321
st_NE	-.0663349	.0624395	-1.06	0.288	-.1887141	.0560443
st_NH	.0002504	.0169857	0.01	0.988	-.0330409	.0335417
st_NJ	-.0034885	.0118429	-0.29	0.768	-.0267001	.0197231
st_NM	-.0045701	.0127046	-0.36	0.719	-.0294707	.0203305
st_NV	-.0005654	.0136612	-0.04	0.967	-.0273409	.0262101
st_NY	.0012284	.0120925	0.10	0.919	-.0224725	.0249293
st_OH	-.0300302	.0231194	-1.30	0.194	-.0753433	.015283
st_OK	-.0348575	.0229272	-1.52	0.128	-.079794	.010079
st_OR	.0009021	.020097	0.04	0.964	-.0384874	.0402915
st_PA	-.0276286	.023055	-1.20	0.231	-.0728154	.0175583
st_PR	.0031932	.049813	0.06	0.949	-.0944384	.1008249
st_RI	.1614046	.0811478	1.99	0.047	.0023578	.3204514
st_SC	-.0290562	.0147573	-1.97	0.049	-.05798	-.0001323
st_SD	-.0130475	.0219715	-0.59	0.553	-.0561109	.0300158
st_TN	-.0136346	.0128918	-1.06	0.290	-.0389021	.0116329
st_TX	-.0066003	.0195295	-0.34	0.735	-.0448773	.0316767
st_UT	-.0307696	.0644529	-0.48	0.633	-.1570949	.0955558
st_VA	-.0103657	.0178404	-0.58	0.561	-.0453323	.0246008
st_VT	.0260133	.0373432	0.70	0.486	-.047178	.0992047
st_WA	.0393662	.0314905	1.25	0.211	-.022354	.1010864
st_WI	-.0231038	.0192755	-1.20	0.231	-.0608831	.0146754
st_WV	.0211884	.0436483	0.49	0.627	-.0643608	.1067375
st_WY	-.0524383	.1046057	-0.50	0.616	-.2574617	.1525852
tsd_unemp_mean	-.002945	.0043938	-0.67	0.503	-.0115567	.0056668
tsd_unemp_cng	.0030463	.0030608	1.00	0.320	-.0029528	.0090453
pial	.0000246	7.90e-06	3.11	0.002	9.09e-06	.0000401
pia_miss	.0093572	.0072898	1.28	0.199	-.0049306	.023645
ime1	-6.03e-06	2.58e-06	-2.34	0.020	-.0000111	-9.70e-07
ime_miss	-.0182307	.0039024	-4.67	0.000	-.0258793	-.0105822
_cons	.1419363	.0349545	4.06	0.000	.0734268	.2104458

twproll24						
mototkt	.0001451	.0005413	0.27	0.789	-.0009157	.001206
male	.0014478	.0017795	0.81	0.416	-.00204	.0049357
gendermiss_flag	-.2038068	.2340724	-0.87	0.384	-.6625802	.2549667
tsd_age	-.001898	.0002222	-8.54	0.000	-.0023336	-.0014625
doage2	-.0001402	.0002014	-0.70	0.486	-.000535	.0002546
doage2miss_flag	-.078246	.2342144	-0.33	0.738	-.5372977	.3808057
race_a	.0045813	.009172	0.50	0.617	-.0133955	.022558
race_b	.0139095	.0022172	6.27	0.000	.0095639	.0182551
race_h	-.0011176	.00507	-0.22	0.826	-.0110546	.0088194
race_i	-.0012958	.0109014	-0.12	0.905	-.0226621	.0200705
race_o	.0114993	.0133706	0.86	0.390	-.0147066	.0377053

race_mis	.0020757	.007798	0.27	0.790	-.0132082	.0173596
tsd_edu_hs	.0020292	.0024456	0.83	0.407	-.0027641	.0068225
tsd_edu_mrhs	.021212	.002936	7.22	0.000	.0154575	.0269666
tsd_edu_mis	.0049066	.0027775	1.77	0.077	-.0005372	.0103505
tsd_mie_exp	.0057746	.0048655	1.19	0.235	-.0037616	.0153108
tsd_mie_mis	-.0059759	.0028984	-2.06	0.039	-.0116566	-.0002952
tsd_mie_psbl	.0061468	.0024335	2.53	0.012	.0013772	.0109165
tsd_medicare	-.0247431	.0026083	-9.49	0.000	-.0298553	-.0196309
tsd_medicare_miss	-.0373198	.0103403	-3.61	0.000	-.0575864	-.0170532
tsd_depend_1	-.0067824	.0024882	-2.73	0.006	-.0116591	-.0019056
tsd_depend_2	.0004058	.0022013	0.18	0.854	-.0039087	.0047203
tsd_depend_miss	-.0330494	.0070708	-4.67	0.000	-.046908	-.0191908
tsd_vrpr	-.0428352	.004342	-9.87	0.000	-.0513454	-.0343249
tsd_vrpr_miss	-.0840159	.0040243	-20.88	0.000	-.0919034	-.0761283
pdcgrou2	-.0099216	.0029446	-3.37	0.001	-.0156929	-.0041502
pdcgrou3	-.0090085	.0033603	-2.68	0.007	-.0155945	-.0024225
pdcgrou4	-.008858	.002591	-3.42	0.001	-.0139363	-.0037798
pdcgrou5	.0001374	.025605	0.01	0.996	-.0500474	.0503222
cohort2000	-.0090719	.0039645	-2.29	0.022	-.0168422	-.0013016
cohort2001	-.0141405	.0065403	-2.16	0.031	-.0269593	-.0013216
cohort2002	-.0155733	.0091874	-1.70	0.090	-.0335802	.0024337
cohort2003	.0131674	.0169237	0.78	0.437	-.0200024	.0463372
cohort2004	-.0112424	.0179335	-0.63	0.531	-.0463915	.0239066
award_b4_tsd	.014327	.0081306	1.76	0.078	-.0016086	.0302626
diaward_tsd	-.000632	.0002778	-2.27	0.023	-.0011764	-.0000875
epeb4twp_flag	.0315801	.082573	0.38	0.702	-.1302601	.1934203
ldwb4twp_flag	.418691	.0601161	6.96	0.000	.3008655	.5365165
ldwb4epe_flag	.2340577	.0247826	9.44	0.000	.1854848	.2826307
twpb4tsd	-.0465361	.0036863	-12.62	0.000	-.0537611	-.0393111
epeb4tsd	-.0513628	.0050544	-10.16	0.000	-.0612692	-.0414564
ldwb4tsd	-.0245706	.0070967	-3.46	0.001	-.0384799	-.0106614
st_AL	.0265762	.0353407	0.75	0.452	-.0426903	.0958427
st_AR	-.0181814	.0164113	-1.11	0.268	-.050347	.0139843
st_AZ	-.0111522	.0233846	-0.48	0.633	-.0569852	.0346807
st_CA	.0207005	.0256778	0.81	0.420	-.0296271	.071028
st_CO	-.0538361	.0280004	-1.92	0.055	-.1087158	.0010436
st_CT	.0046639	.0176699	0.26	0.792	-.0299685	.0392962
st_DC	-.0112055	.0173539	-0.65	0.518	-.0452185	.0228075
st_DE	-.0021837	.0377669	-0.06	0.954	-.0762054	.071838
st_FL	.0030078	.0197689	0.15	0.879	-.0357386	.0417542
st_GA	-.0158745	.0199177	-0.80	0.425	-.0549126	.0231635
st_HI	-.0725059	.0985466	-0.74	0.462	-.2656537	.1206419
st_IA	-.0137533	.0335501	-0.41	0.682	-.0795103	.0520038
st_ID	.0437461	.0799044	0.55	0.584	-.1128635	.2003558
st_IL	-.0229271	.0184999	-1.24	0.215	-.0591862	.013332
st_IN	-.0108556	.0181059	-0.60	0.549	-.0463426	.0246314
st_KS	.0029826	.0178112	0.17	0.867	-.0319268	.037892
st_KY	-.023431	.0144367	-1.62	0.105	-.0517264	.0048644
st_LA	-.0075458	.0144252	-0.52	0.601	-.0358187	.0207271
st_MA	.0376728	.0195467	1.93	0.054	-.0006381	.0759837
st_MD	-.0118206	.0371113	-0.32	0.750	-.0845574	.0609162
st_ME	-.0698753	.0614848	-1.14	0.256	-.1903834	.0506327
st_MI	-.0069813	.0123176	-0.57	0.571	-.0311233	.0171607
st_MN	.0188384	.0478741	0.39	0.694	-.074993	.1126699
st_MO	-.0088611	.0170594	-0.52	0.603	-.0422969	.0245748
st_MS	-.0167901	.0136414	-1.23	0.218	-.0435268	.0099467
st_MT	-.0174153	.0244362	-0.71	0.476	-.0653094	.0304788
st_NC	.0486642	.030511	1.59	0.111	-.0111361	.1084646
st_ND	-.0257638	.0286377	-0.90	0.368	-.0818927	.0303651
st_NE	.0021629	.0816301	0.03	0.979	-.1578292	.162155
st_NH	.0194444	.0222062	0.88	0.381	-.0240789	.0629677
st_NJ	-.0031195	.0154827	-0.20	0.840	-.0334651	.0272262
st_NM	-.0078022	.0166093	-0.47	0.639	-.0403559	.0247515

st_NV	-.0005941	.01786	-0.03	0.973	-.035599	.0344107
st_NY	.0011526	.0158091	0.07	0.942	-.0298327	.0321379
st_OH	-.0352814	.030225	-1.17	0.243	-.0945214	.0239586
st_OK	.0111889	.0299738	0.37	0.709	-.0475586	.0699365
st_OR	.0144426	.0262738	0.55	0.583	-.0370531	.0659383
st_PA	-.0105602	.0301408	-0.35	0.726	-.0696352	.0485147
st_PR	-.0184854	.0651228	-0.28	0.777	-.1461238	.109153
st_RI	.1404908	.1060884	1.32	0.185	-.0674387	.3484202
st_SC	-.0384657	.019293	-1.99	0.046	-.0762793	-.0006522
st_SD	-.0280282	.0287244	-0.98	0.329	-.0843269	.0282706
st_TN	-.0187253	.0168541	-1.11	0.267	-.0517587	.0143081
st_TX	-.0100969	.0255318	-0.40	0.693	-.0601382	.0399445
st_UT	-.044334	.0842623	-0.53	0.599	-.2094851	.1208171
st_VA	-.0088197	.0233236	-0.38	0.705	-.0545331	.0368937
st_VT	.0698282	.0488206	1.43	0.153	-.0258584	.1655147
st_WA	.0636034	.041169	1.54	0.122	-.0170864	.1442931
st_WI	-.0273607	.0251997	-1.09	0.278	-.0767513	.0220299
st_WV	.0495797	.0570635	0.87	0.385	-.0622627	.1614221
st_WY	.2380994	.136756	1.74	0.082	-.0299374	.5061362
tsd_unemp_mean	-.0032552	.0057443	-0.57	0.571	-.0145138	.0080034
tsd_unemp_cng	.0049036	.0040015	1.23	0.220	-.0029393	.0127464
pial	.0000368	.0000103	3.56	0.000	.0000166	.0000571
pia_miss	.0186331	.0095303	1.96	0.051	-.0000461	.0373122
ime1	-.0000108	3.38e-06	-3.21	0.001	-.0000175	-4.23e-06
ime_miss	-.0324088	.0051018	-6.35	0.000	-.0424082	-.0224095
_cons	.2647284	.0456976	5.79	0.000	.1751627	.354294

twproll36						
mototkt	-.0000187	.0006174	-0.03	0.976	-.0012288	.0011914
male	.0014282	.0020299	0.70	0.482	-.0025504	.0054067
gendermiss_flag	-.262493	.2670059	-0.98	0.326	-.7858151	.260829
tsd_age	-.0026902	.0002535	-10.61	0.000	-.0031871	-.0021934
doage2	-.0000789	.0002298	-0.34	0.731	-.0005292	.0003714
doage2miss_flag	-.1144175	.2671679	-0.43	0.668	-.6380569	.4092219
race_a	.0050858	.0104625	0.49	0.627	-.0154203	.0255919
race_b	.0148021	.0025291	5.85	0.000	.0098451	.0197591
race_h	-.000619	.0057833	-0.11	0.915	-.0119541	.0107162
race_i	-.004385	.0124352	-0.35	0.724	-.0287575	.0199875
race_o	.0070306	.0152518	0.46	0.645	-.0228625	.0369236
race_mis	-.0031999	.0088952	-0.36	0.719	-.0206342	.0142344
tsd_edu_hs	.0026723	.0027897	0.96	0.338	-.0027954	.00814
tsd_edu_mrhs	.0278166	.0033491	8.31	0.000	.0212524	.0343807
tsd_edu_mis	.005875	.0031683	1.85	0.064	-.0003348	.0120848
tsd_mie_exp	.012753	.00555	2.30	0.022	.0018751	.0236309
tsd_mie_mis	-.0038589	.0033062	-1.17	0.243	-.0103389	.002621
tsd_mie_psbl	.010116	.0027759	3.64	0.000	.0046753	.0155568
tsd_medicare	-.0287109	.0029753	-9.65	0.000	-.0345424	-.0228794
tsd_medicare_miss	-.0560029	.0117952	-4.75	0.000	-.079121	-.0328848
tsd_depend_1	-.0078841	.0028383	-2.78	0.005	-.013447	-.0023212
tsd_depend_2	.0021868	.002511	0.87	0.384	-.0027347	.0071083
tsd_depend_miss	-.0460807	.0080657	-5.71	0.000	-.0618891	-.0302722
tsd_vrpr	-.0635817	.004953	-12.84	0.000	-.0732893	-.0538741
tsd_vrpr_miss	-.1175601	.0045905	-25.61	0.000	-.1265574	-.1085629
pdcgrou2	-.018647	.0033589	-5.55	0.000	-.0252303	-.0120636
pdcgrou3	-.013103	.003833	-3.42	0.001	-.0206156	-.0055903
pdcgrou4	-.0154604	.0029555	-5.23	0.000	-.0212532	-.0096677
pdcgrou5	-.0101154	.0292075	-0.35	0.729	-.0673611	.0471303
cohort2000	-.009306	.0045223	-2.06	0.040	-.0181695	-.0004424
cohort2001	-.0092938	.0074606	-1.25	0.213	-.0239163	.0053286
cohort2002	-.0102317	.0104801	-0.98	0.329	-.0307723	.0103088
cohort2003	.0419052	.0193048	2.17	0.030	.0040684	.0797419
cohort2004	.0333844	.0204567	1.63	0.103	-.0067101	.0734789
award_b4_tsd	.0168279	.0092745	1.81	0.070	-.0013498	.0350057

diaward_tsd	-.0004528	.0003169	-1.43	0.153	-.0010739	.0001683
epeb4twp_flag	-.0532349	.0941909	-0.57	0.572	-.2378457	.1313758
ldwb4twp_flag	.597176	.0685744	8.71	0.000	.4627728	.7315793
ldwb4epe_flag	.3438622	.0282694	12.16	0.000	.2884552	.3992692
twpb4tsd	-.0694912	.0042049	-16.53	0.000	-.0777328	-.0612497
epeb4tsd	-.0667015	.0057655	-11.57	0.000	-.0780018	-.0554013
ldwb4tsd	-.0327598	.0080952	-4.05	0.000	-.0486261	-.0168936
st_AL	.0192407	.0403131	0.48	0.633	-.0597715	.0982529
st_AR	-.0194695	.0187204	-1.04	0.298	-.0561607	.0172218
st_AZ	.0004433	.0266748	0.02	0.987	-.0518383	.0527248
st_CA	.0108985	.0292906	0.37	0.710	-.0465101	.068307
st_CO	-.0792715	.03194	-2.48	0.013	-.1418727	-.0166703
st_CT	.0038188	.020156	0.19	0.850	-.0356863	.0433239
st_DC	-.0201345	.0197955	-1.02	0.309	-.058933	.0186641
st_DE	.0114205	.0430806	0.27	0.791	-.0730158	.0958569
st_FL	.0066146	.0225504	0.29	0.769	-.0375834	.0508125
st_GA	-.0200225	.0227201	-0.88	0.378	-.0645531	.0245082
st_HI	-.0923521	.1124119	-0.82	0.411	-.3126754	.1279713
st_IA	.0174042	.0382706	0.45	0.649	-.0576047	.0924132
st_ID	.0225193	.0911467	0.25	0.805	-.156125	.2011636
st_IL	-.0263108	.0211028	-1.25	0.212	-.0676715	.0150499
st_IN	-.0180361	.0206534	-0.87	0.383	-.058516	.0224439
st_KS	.0103508	.0203173	0.51	0.610	-.0294702	.0501719
st_KY	-.0268505	.0164679	-1.63	0.103	-.059127	.005426
st_LA	-.0086406	.0164548	-0.53	0.600	-.0408914	.0236103
st_MA	.0374008	.0222969	1.68	0.093	-.0063003	.0811019
st_MD	.0344888	.0423328	0.81	0.415	-.0484819	.1174595
st_ME	-.0931311	.0701356	-1.33	0.184	-.2305944	.0443322
st_MI	-.0147914	.0140506	-1.05	0.292	-.0423301	.0127473
st_MN	-.0062775	.0546099	-0.11	0.908	-.1133108	.1007559
st_MO	-.0119932	.0194597	-0.62	0.538	-.0501334	.026147
st_MS	-.0241505	.0155608	-1.55	0.121	-.054649	.0063481
st_MT	-.0217743	.0278743	-0.78	0.435	-.076407	.0328583
st_NC	.0193423	.0348038	0.56	0.578	-.0488718	.0875565
st_ND	-.0119054	.032667	-0.36	0.716	-.0759315	.0521207
st_NE	-.0292022	.0931153	-0.31	0.754	-.2117049	.1533005
st_NH	.036558	.0253305	1.44	0.149	-.013089	.0862049
st_NJ	-.0061368	.0176611	-0.35	0.728	-.040752	.0284784
st_NM	-.008237	.0189462	-0.43	0.664	-.045371	.0288969
st_NV	-.0023558	.0203728	-0.12	0.908	-.0422858	.0375742
st_NY	.0069061	.0180334	0.38	0.702	-.0284388	.0422509
st_OH	-.0629398	.0344777	-1.83	0.068	-.1305148	.0046351
st_OK	.0358658	.0341911	1.05	0.294	-.0311474	.1028791
st_OR	.0235366	.0299705	0.79	0.432	-.0352045	.0822776
st_PA	-.0361771	.0343816	-1.05	0.293	-.1035637	.0312096
st_PR	-.0528311	.0742855	-0.71	0.477	-.198428	.0927658
st_RI	.12661	.1210148	1.05	0.295	-.1105747	.3637947
st_SC	-.0661023	.0220075	-3.00	0.003	-.1092361	-.0229684
st_SD	-.0258689	.0327658	-0.79	0.430	-.0900888	.0383509
st_TN	-.023764	.0192254	-1.24	0.216	-.0614451	.0139171
st_TX	-.0198769	.029124	-0.68	0.495	-.076959	.0372051
st_UT	-.0599382	.0961179	-0.62	0.533	-.2483257	.1284493
st_VA	-.0073624	.0266052	-0.28	0.782	-.0595076	.0447829
st_VT	.0478345	.0556895	0.86	0.390	-.0613149	.156984
st_WA	.0305795	.0469614	0.65	0.515	-.0614632	.1226221
st_WI	-.0208003	.0287453	-0.72	0.469	-.07714	.0355395
st_WV	.0249025	.0650922	0.38	0.702	-.1026759	.1524809
st_WY	.2045854	.1559973	1.31	0.190	-.1011637	.5103344
tsd_unemp_mean	-.0008032	.0065525	-0.12	0.902	-.0136458	.0120394
tsd_unemp_cng	.0043864	.0045645	0.96	0.337	-.00456	.0133327
pial	.0000426	.0000118	3.62	0.000	.0000195	.0000657
pia_miss	.0308796	.0108712	2.84	0.005	.0095724	.0521869
imel	-.0000142	3.85e-06	-3.70	0.000	-.0000218	-6.69e-06

ime_miss	-.0452466	.0058196	-7.77	0.000	-.0566528	-.0338404
_cons	.3313731	.0521272	6.36	0.000	.2292057	.4335405

twproll48						
mototkt	6.44e-06	.00066	0.01	0.992	-.0012872	.0013001
male	.0013233	.00217	0.61	0.542	-.0029299	.0055765
gendermiss_flag	-.3160646	.2854388	-1.11	0.268	-.8755143	.2433851
tsd_age	-.0033435	.000271	-12.34	0.000	-.0038747	-.0028124
doage2	-.0000643	.0002456	-0.26	0.793	-.0005457	.0004171
doage2miss_flag	-.1424139	.2856119	-0.50	0.618	-.7022029	.4173751
race_a	.005497	.0111847	0.49	0.623	-.0164247	.0274187
race_b	.0159985	.0027037	5.92	0.000	.0106993	.0212977
race_h	-.0010255	.0061826	-0.17	0.868	-.0131432	.0110922
race_i	-.0018379	.0132937	-0.14	0.890	-.027893	.0242172
race_o	.0033972	.0163048	0.21	0.835	-.0285596	.0353539
race_mis	-.0090602	.0095093	-0.95	0.341	-.0276981	.0095777
tsd_edu_hs	.0037221	.0029823	1.25	0.212	-.002123	.0095673
tsd_edu_mrhs	.0326675	.0035803	9.12	0.000	.0256502	.0396848
tsd_edu_mis	.0070593	.003387	2.08	0.037	.0004208	.0136978
tsd_mie_exp	.0130291	.0059332	2.20	0.028	.0014002	.0246579
tsd_mie_mis	-.00276	.0035344	-0.78	0.435	-.0096873	.0041674
tsd_mie_psbl	.0120579	.0029676	4.06	0.000	.0062416	.0178743
tsd_medicare	-.031949	.0031807	-10.04	0.000	-.038183	-.0257149
tsd_medicare_miss	-.0608158	.0126095	-4.82	0.000	-.0855299	-.0361017
tsd_depend_1	-.0061944	.0030342	-2.04	0.041	-.0121413	-.0002474
tsd_depend_2	.0055086	.0026844	2.05	0.040	.0002473	.0107699
tsd_depend_miss	-.050611	.0086225	-5.87	0.000	-.0675108	-.0337112
tsd_vrpr	-.0853006	.0052949	-16.11	0.000	-.0956784	-.0749228
tsd_vrpr_miss	-.1448897	.0049074	-29.52	0.000	-.1545081	-.1352713
pdcgrou2	-.0256195	.0035908	-7.13	0.000	-.0326573	-.0185817
pdcgrou3	-.0139542	.0040977	-3.41	0.001	-.0219855	-.0059229
pdcgrou4	-.0201563	.0031596	-6.38	0.000	-.026349	-.0139637
pdcgrou5	-.0254381	.0312239	-0.81	0.415	-.0866358	.0357596
cohort2000	-.0101763	.0048345	-2.10	0.035	-.0196517	-.0007008
cohort2001	-.0125447	.0079756	-1.57	0.116	-.0281766	.0030872
cohort2002	-.0145101	.0112035	-1.30	0.195	-.0364687	.0074484
cohort2003	.0390265	.0206375	1.89	0.059	-.0014223	.0794753
cohort2004	.0406695	.021869	1.86	0.063	-.0021929	.083532
award_b4_tsd	.0213018	.0099148	2.15	0.032	.0018691	.0407344
diaward_tsd	-.0005139	.0003388	-1.52	0.129	-.0011779	.00015
epeb4twp_flag	.1095551	.1006934	1.09	0.277	-.0878004	.3069105
ldwb4twp_flag	.7239989	.0733084	9.88	0.000	.5803171	.8676807
ldwb4epe_flag	.3807542	.030221	12.60	0.000	.3215221	.4399862
twpb4tsd	-.0847102	.0044952	-18.84	0.000	-.0935207	-.0758997
epeb4tsd	-.0763596	.0061636	-12.39	0.000	-.0884399	-.0642793
ldwb4tsd	-.0385025	.008654	-4.45	0.000	-.055464	-.0215409
st_AL	-.0052984	.0430961	-0.12	0.902	-.0897653	.0791684
st_AR	-.0289975	.0200127	-1.45	0.147	-.0682218	.0102267
st_AZ	.0078133	.0285163	0.27	0.784	-.0480775	.0637042
st_CA	-.01238	.0313127	-0.40	0.693	-.0737518	.0489917
st_CO	-.0479822	.034145	-1.41	0.160	-.1149051	.0189406
st_CT	-.003083	.0215475	-0.14	0.886	-.0453153	.0391493
st_DC	-.026198	.0211621	-1.24	0.216	-.067675	.015279
st_DE	-.0119993	.0460547	-0.26	0.794	-.1022648	.0782661
st_FL	.0028643	.0241072	0.12	0.905	-.0443848	.0501135
st_GA	-.0339682	.0242886	-1.40	0.162	-.081573	.0136366
st_HI	-.1157341	.1201723	-0.96	0.336	-.3512675	.1197993
st_IA	.0340666	.0409126	0.83	0.405	-.0461206	.1142538
st_ID	.0009801	.0974391	0.01	0.992	-.189997	.1919572
st_IL	-.0143635	.0225596	-0.64	0.524	-.0585795	.0298525
st_IN	-.0231597	.0220792	-1.05	0.294	-.0664342	.0201148
st_KS	.0017035	.0217199	0.08	0.937	-.0408667	.0442736
st_KY	-.0359291	.0176048	-2.04	0.041	-.0704339	-.0014244

st_LA	-.0163225	.0175908	-0.93	0.353	-.0507998	.0181548
st_MA	.0565557	.0238362	2.37	0.018	.0098377	.1032738
st_MD	.0114926	.0452552	0.25	0.800	-.077206	.1001913
st_ME	-.1163388	.0749775	-1.55	0.121	-.263292	.0306143
st_MI	-.0255977	.0150206	-1.70	0.088	-.0550375	.0038422
st_MN	-.0311987	.0583799	-0.53	0.593	-.1456212	.0832237
st_MO	-.0188853	.0208031	-0.91	0.364	-.0596585	.0218879
st_MS	-.0353853	.0166635	-2.13	0.033	-.0679893	-.0027813
st_MT	-.0281349	.0297986	-0.94	0.345	-.0865391	.0302694
st_NC	-.0043742	.0372065	-0.12	0.906	-.0772975	.0685492
st_ND	-.0289739	.0349221	-0.83	0.407	-.09742	.0394723
st_NE	-.0610783	.0995436	-0.61	0.539	-.2561801	.1340234
st_NH	.0323282	.0270792	1.19	0.233	-.0207462	.0854025
st_NJ	-.016254	.0188804	-0.86	0.389	-.0532588	.0207509
st_NM	-.0170219	.0202542	-0.84	0.401	-.0567194	.0226756
st_NV	-.0053479	.0217793	-0.25	0.806	-.0480344	.0373387
st_NY	.0051485	.0192784	0.27	0.789	-.0326364	.0429335
st_OH	-.087345	.0368578	-2.37	0.018	-.159585	-.015105
st_OK	.0497704	.0365515	1.36	0.173	-.0218691	.1214099
st_OR	.0316413	.0320395	0.99	0.323	-.0311549	.0944376
st_PA	-.0600896	.0367551	-1.63	0.102	-.1321283	.0119491
st_PR	-.0694766	.0794138	-0.87	0.382	-.2251248	.0861716
st_RI	.1111363	.1293691	0.86	0.390	-.1424225	.3646951
st_SC	-.0732023	.0235267	-3.11	0.002	-.1193139	-.0270907
st_SD	-.0330191	.0350278	-0.94	0.346	-.1016724	.0356342
st_TN	-.0369763	.0205526	-1.80	0.072	-.0772587	.0033061
st_TX	-.0244687	.0311346	-0.79	0.432	-.0854914	.0365541
st_UT	-.0751478	.1027534	-0.73	0.465	-.2765407	.1262452
st_VA	-.016323	.0284419	-0.57	0.566	-.072068	.0394221
st_VT	.0250772	.0595341	0.42	0.674	-.0916074	.1417618
st_WA	.0062309	.0502034	0.12	0.901	-.092166	.1046277
st_WI	-.0098462	.0307297	-0.32	0.749	-.0700754	.050383
st_WV	.0012593	.0695859	0.02	0.986	-.1351265	.1376451
st_WY	.1713004	.1667666	1.03	0.304	-.1555562	.4981569
tsd_unemp_mean	-.0011877	.0070048	-0.17	0.865	-.0149169	.0125415
tsd_unemp_cng	.003784	.0048796	0.78	0.438	-.0057799	.0133479
pial	.0000435	.0000126	3.45	0.001	.0000188	.0000682
pia_miss	.0314113	.0116217	2.70	0.007	.0086331	.0541895
ime1	-.0000161	4.12e-06	-3.90	0.000	-.0000241	-8.00e-06
ime_miss	-.0509755	.0062214	-8.19	0.000	-.0631692	-.0387819
_cons	.4123833	.0557258	7.40	0.000	.3031628	.5216039

Endogenous variables: twproll12 twproll24 twproll36 twproll48 mototkt
Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
epb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epb4tsd ldwb4tsd
st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19

(1) 12*[twproll12]mototkt + 12*[twproll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
--	-------	-----------	---	------	----------------------

(1) | .0035907 .0106877 0.34 0.737 -.0173568 .0245382

(1) 12*[twproll12]mototkt + 12*[twproll24]mototkt + 12*[twproll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0033666	.017219	0.20	0.845	-.0303819	.0371151

(1) 12*[twproll12]mototkt + 12*[twproll24]mototkt + 12*[twproll36]mototkt + 12*[twproll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0034438	.0243114	0.14	0.887	-.0442056	.0510932

phase 2 dependent variable: srvroll, unemployment: unemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
srvroll12	77128	99	.134629	0.2927	31907.81	0.0000
srvroll24	77128	99	.1523874	0.4543	64194.78	0.0000
srvroll36	77128	99	.1538691	0.5668	100913.59	0.0000
srvroll48	77128	99	.154635	0.6216	126720.31	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
srvroll12						
mototkt	-.0007586	.0003116	-2.43	0.015	-.0013692	-.0001479
male	-.0006079	.0010244	-0.59	0.553	-.0026156	.0013998
gendermiss_flag	.5760297	.1347417	4.28	0.000	.3119409	.8401185
tsd_age	-.0002945	.0001279	-2.30	0.021	-.0005452	-.0000438
doage2	-4.42e-06	.0001159	-0.04	0.970	-.0002317	.0002228
doage2miss_flag	-.0132322	.1348234	-0.10	0.922	-.2774811	.2510168
race_a	.0106314	.0052798	2.01	0.044	.0002833	.0209796
race_b	.0005562	.0012763	0.44	0.663	-.0019453	.0030577
race_h	-.0025959	.0029185	-0.89	0.374	-.0083161	.0031242
race_i	.0012169	.0062753	0.19	0.846	-.0110825	.0135162
race_o	.0132721	.0076967	1.72	0.085	-.0018131	.0283573
race_mis	.0027207	.0044889	0.61	0.544	-.0060774	.0115187
tsd_edu_hs	.0018718	.0014078	1.33	0.184	-.0008874	.004631
tsd_edu_mrhs	.004099	.0016901	2.43	0.015	.0007865	.0074116
tsd_edu_mis	.0038883	.0015989	2.43	0.015	.0007546	.007022
tsd_mie_exp	.0018988	.0028008	0.68	0.498	-.0035906	.0073883
tsd_mie_mis	.0008377	.0016684	0.50	0.616	-.0024324	.0041077
tsd_mie_psbl	.0014624	.0014008	1.04	0.297	-.0012832	.004208
tsd_medicare	-.0009061	.0015014	-0.60	0.546	-.0038489	.0020366
tsd_medicare_miss	-.0054617	.0059523	-0.92	0.359	-.017128	.0062046
tsd_depend_1	-.003408	.0014323	-2.38	0.017	-.0062153	-.0006008
tsd_depend_2	-.002237	.0012672	-1.77	0.078	-.0047206	.0002466
tsd_depend_miss	.0002467	.0040703	0.06	0.952	-.0077309	.0082242
tsd_vrpr	-.3855518	.0024995	-154.25	0.000	-.3904506	-.3806529
tsd_vrpr_miss	-.4065523	.0023166	-175.50	0.000	-.4110926	-.4020119
pdcgroup2	-.0033645	.001695	-1.98	0.047	-.0066867	-.0000423

pdcgrou3	-.001045	.0019343	-0.54	0.589	-.0048362	.0027462
pdcgrou4	-.0007574	.0014915	-0.51	0.612	-.0036806	.0021659
pdcgrou5	-.0039788	.0147393	-0.27	0.787	-.0328673	.0249096
cohort2000	.0005192	.0022821	0.23	0.820	-.0039537	.0049921
cohort2001	.0039289	.0037649	1.04	0.297	-.0034502	.0113079
cohort2002	.0038306	.0052886	0.72	0.469	-.006535	.0141961
cohort2003	-.0074758	.009742	-0.77	0.443	-.0265697	.0116181
cohort2004	-.0342351	.0103233	-3.32	0.001	-.0544684	-.0140019
award_b4_tsd	.0083349	.0046803	1.78	0.075	-.0008383	.0175081
diaward_tsd	.0000529	.0001599	0.33	0.741	-.0002605	.0003663
epeb4twp_flag	-.091348	.0475324	-1.92	0.055	-.1845098	.0018139
ldwb4twp_flag	.086171	.0346053	2.49	0.013	.0183458	.1539961
ldwb4epe_flag	.0145742	.0142659	1.02	0.307	-.0133863	.0425348
twpb4tsd	.0044249	.002122	2.09	0.037	.0002659	.0085838
epeb4tsd	-.0008399	.0029095	-0.29	0.773	-.0065425	.0048626
ldwb4tsd	-.0007132	.0040851	-0.17	0.861	-.0087199	.0072935
st_AL	.0195817	.0203436	0.96	0.336	-.0202909	.0594544
st_AR	.0127667	.009447	1.35	0.177	-.0057491	.0312826
st_AZ	.0079456	.0134611	0.59	0.555	-.0184377	.034329
st_CA	.0279621	.0147812	1.89	0.059	-.0010085	.0569327
st_CO	.0087948	.0161182	0.55	0.585	-.0227963	.0403858
st_CT	.0153771	.0101715	1.51	0.131	-.0045587	.0353129
st_DC	-.0013903	.0099896	-0.14	0.889	-.0209696	.018189
st_DE	-.0030217	.0217401	-0.14	0.889	-.0456316	.0395882
st_FL	-.0006081	.0113798	-0.05	0.957	-.0229122	.0216959
st_GA	.0127254	.0114655	1.11	0.267	-.0097465	.0351973
st_HI	.0014816	.0567275	0.03	0.979	-.1097022	.1126654
st_IA	.0167815	.0193128	0.87	0.385	-.021071	.0546339
st_ID	.0029122	.0459962	0.06	0.950	-.0872387	.0930632
st_IL	.0007853	.0106493	0.07	0.941	-.0200869	.0216576
st_IN	.0103256	.0104225	0.99	0.322	-.0101022	.0307534
st_KS	.0061831	.0102529	0.60	0.546	-.0139122	.0262784
st_KY	.0045743	.0083104	0.55	0.582	-.0117137	.0208623
st_LA	.0166418	.0083037	2.00	0.045	.0003668	.0329168
st_MA	.0001323	.0112519	0.01	0.991	-.021921	.0221856
st_MD	.0199345	.0213628	0.93	0.351	-.0219357	.0618048
st_ME	.0017921	.0353932	0.05	0.960	-.0675772	.0711615
st_MI	.0133428	.0070905	1.88	0.060	-.0005543	.0272399
st_MN	.0157984	.0275583	0.57	0.566	-.0382148	.0698117
st_MO	.0132908	.0098201	1.35	0.176	-.0059562	.0325378
st_MS	.0101229	.0078526	1.29	0.197	-.0052679	.0255136
st_MT	.0042253	.0140665	0.30	0.764	-.0233445	.0317951
st_NC	.0020167	.0175634	0.11	0.909	-.0324068	.0364402
st_ND	.0121652	.016485	0.74	0.461	-.0201449	.0444752
st_NE	-.092591	.0469896	-1.97	0.049	-.184689	-.000493
st_NH	.0095562	.0127828	0.75	0.455	-.0154976	.03461
st_NJ	.0070946	.0089125	0.80	0.426	-.0103736	.0245628
st_NM	.0071703	.009561	0.75	0.453	-.011569	.0259095
st_NV	.0112247	.0102809	1.09	0.275	-.0089255	.031375
st_NY	.0089565	.0091004	0.98	0.325	-.0088799	.0267929
st_OH	3.39e-06	.0173988	0.00	1.000	-.0340976	.0341044
st_OK	.0354142	.0172542	2.05	0.040	.0015967	.0692317
st_OR	.0085184	.0151243	0.56	0.573	-.0211246	.0381614
st_PA	-.0086861	.0173503	-0.50	0.617	-.0426921	.0253199
st_PR	-.0326423	.0374874	-0.87	0.384	-.1061162	.0408316
st_RI	-.0041495	.0610688	-0.07	0.946	-.1238422	.1155432
st_SC	-.0086729	.0111058	-0.78	0.435	-.0304399	.0130941
st_SD	.0223689	.0165349	1.35	0.176	-.010039	.0547768
st_TN	.0165487	.0097019	1.71	0.088	-.0024667	.0355641
st_TX	.0285696	.0146971	1.94	0.052	-.0002363	.0573754
st_UT	.0011064	.0485048	0.02	0.982	-.0939613	.0961742
st_VA	.0131451	.013426	0.98	0.328	-.0131695	.0394596
st_VT	.016923	.0281031	0.60	0.547	-.0381581	.0720041

st_WA	.0064218	.0236986	0.27	0.786	-.0400265	.0528702
st_WI	.0132337	.014506	0.91	0.362	-.0151975	.041665
st_WV	-.0128818	.0328481	-0.39	0.695	-.0772628	.0514993
st_WY	.5322993	.0787223	6.76	0.000	.3780063	.6865923
tsd_unemp_mean	-.0001414	.0033066	-0.04	0.966	-.0066223	.0063394
tsd_unemp_cng	.0007749	.0023034	0.34	0.737	-.0037397	.0052896
pial	8.43e-06	5.95e-06	1.42	0.156	-3.23e-06	.0000201
pia_miss	.0023404	.0054861	0.43	0.670	-.0084121	.0130928
ime1	-9.88e-07	1.94e-06	-0.51	0.611	-4.80e-06	2.82e-06
ime_miss	-.0043207	.0029368	-1.47	0.141	-.0100767	.0014353
_cons	.4063443	.0263054	15.45	0.000	.3547866	.457902

srvroll124						
mototkt	-.0007521	.0003527	-2.13	0.033	-.0014433	-.0000609
male	-.0005342	.0011595	-0.46	0.645	-.0028068	.0017383
gendermiss_flag	.331121	.1525149	2.17	0.030	.0321973	.6300448
tsd_age	-.0008223	.0001448	-5.68	0.000	-.0011061	-.0005385
doage2	.0000172	.0001312	0.13	0.896	-.00024	.0002744
doage2miss_flag	-.0378596	.1526074	-0.25	0.804	-.3369647	.2612454
race_a	.0046863	.0059762	0.78	0.433	-.0070268	.0163995
race_b	.0008402	.0014447	0.58	0.561	-.0019912	.0036717
race_h	-.0028054	.0033035	-0.85	0.396	-.0092801	.0036693
race_i	-.0041179	.007103	-0.58	0.562	-.0180396	.0098038
race_o	.0123165	.0087119	1.41	0.157	-.0047585	.0293916
race_mis	.0067681	.005081	1.33	0.183	-.0031905	.0167266
tsd_edu_hs	.0040291	.0015935	2.53	0.011	.0009059	.0071522
tsd_edu_mrhs	.0096531	.001913	5.05	0.000	.0059036	.0134026
tsd_edu_mis	.0062297	.0018098	3.44	0.001	.0026826	.0097768
tsd_mie_exp	-.0044731	.0031702	-1.41	0.158	-.0106866	.0017404
tsd_mie_mis	-.0029021	.0018885	-1.54	0.124	-.0066035	.0007993
tsd_mie_psbl	-.0020808	.0015856	-1.31	0.189	-.0051886	.0010269
tsd_medicare	-.00279	.0016995	-1.64	0.101	-.0061209	.000541
tsd_medicare_miss	-.0044758	.0067375	-0.66	0.506	-.017681	.0087293
tsd_depend_1	-.0027498	.0016212	-1.70	0.090	-.0059274	.0004277
tsd_depend_2	-.0016347	.0014343	-1.14	0.254	-.0044459	.0011765
tsd_depend_miss	-.0029309	.0046072	-0.64	0.525	-.0119608	.0060989
tsd_vrpr	-.6161039	.0028292	-217.77	0.000	-.6216489	-.6105589
tsd_vrpr_miss	-.6528992	.0026221	-249.00	0.000	-.6580385	-.64776
pdcgrou2	-.0025799	.0019186	-1.34	0.179	-.0063403	.0011806
pdcgrou3	-.0023125	.0021895	-1.06	0.291	-.0066037	.0019788
pdcgrou4	.0005644	.0016882	0.33	0.738	-.0027444	.0038732
pdcgrou5	-.0129028	.0166835	-0.77	0.439	-.0456018	.0197962
cohort2000	-.00255	.0025832	-0.99	0.324	-.0076129	.0025129
cohort2001	-.0044534	.0042615	-1.05	0.296	-.0128057	.003899
cohort2002	-.007061	.0059863	-1.18	0.238	-.0187938	.0046718
cohort2003	-.0087799	.011027	-0.80	0.426	-.0303924	.0128326
cohort2004	-.0498628	.011685	-4.27	0.000	-.072765	-.0269607
award_b4_tsd	.0004318	.0052976	0.08	0.935	-.0099514	.010815
diaward_tsd	-.0002066	.000181	-1.14	0.254	-.0005614	.0001481
epeb4twp_flag	-.1485942	.0538022	-2.76	0.006	-.2540447	-.0431438
ldwb4twp_flag	.1256506	.03917	3.21	0.001	.0488789	.2024224
ldwb4epe_flag	.0282158	.0161476	1.75	0.081	-.003433	.0598645
twpb4tsd	.006701	.0024019	2.79	0.005	.0019934	.0114086
epeb4tsd	-.0033614	.0032933	-1.02	0.307	-.0098162	.0030933
ldwb4tsd	-.007093	.004624	-1.53	0.125	-.0161558	.0019699
st_AL	.0034546	.023027	0.15	0.881	-.0416775	.0485867
st_AR	-.0098652	.0106932	-0.92	0.356	-.0308234	.011093
st_AZ	-.0127377	.0152367	-0.84	0.403	-.0426011	.0171258
st_CA	.0243341	.0167309	1.45	0.146	-.0084579	.0571261
st_CO	.0080597	.0182442	0.44	0.659	-.0276984	.0438177
st_CT	-.0066581	.0115132	-0.58	0.563	-.0292236	.0159073
st_DC	-.0167646	.0113073	-1.48	0.138	-.0389265	.0053973
st_DE	-.0175501	.0246078	-0.71	0.476	-.0657805	.0306803

st_FL	-.0025239	.0128809	-0.20	0.845	-.0277699	.0227222
st_GA	-.0142037	.0129778	-1.09	0.274	-.0396398	.0112324
st_HI	-.0351835	.0642102	-0.55	0.584	-.1610331	.0906662
st_IA	.0014208	.0218603	0.06	0.948	-.0414246	.0442662
st_ID	-.0286641	.0520634	-0.55	0.582	-.1307065	.0733783
st_IL	-.0109568	.012054	-0.91	0.363	-.0345822	.0126686
st_IN	-.0140774	.0117973	-1.19	0.233	-.0371997	.009045
st_KS	-.0094417	.0116053	-0.81	0.416	-.0321877	.0133043
st_KY	-.0128761	.0094065	-1.37	0.171	-.0313126	.0055603
st_LA	-.0002391	.0093991	-0.03	0.980	-.0186609	.0181827
st_MA	-.0227392	.0127361	-1.79	0.074	-.0477015	.0022231
st_MD	-.0035318	.0241807	-0.15	0.884	-.0509251	.0438614
st_ME	-.0324441	.0400618	-0.81	0.418	-.1109637	.0460756
st_MI	.0021529	.0080258	0.27	0.789	-.0135773	.0178831
st_MN	-.0153091	.0311934	-0.49	0.624	-.076447	.0458288
st_MO	-.0095365	.0111154	-0.86	0.391	-.0313223	.0122494
st_MS	-.0077806	.0088884	-0.88	0.381	-.0252014	.0096403
st_MT	-.0207135	.0159219	-1.30	0.193	-.0519199	.0104929
st_NC	-.0248122	.0198801	-1.25	0.212	-.0637765	.014152
st_ND	-.0376877	.0186595	-2.02	0.043	-.0742597	-.0011157
st_NE	.0305222	.0531879	0.57	0.566	-.0737241	.1347685
st_NH	-.0226391	.0144689	-1.56	0.118	-.0509976	.0057195
st_NJ	-.0145835	.0100881	-1.45	0.148	-.0343558	.0051889
st_NM	-.0178477	.0108222	-1.65	0.099	-.0390588	.0033634
st_NV	-.0147613	.011637	-1.27	0.205	-.0375695	.0080469
st_NY	-.0002969	.0103008	-0.03	0.977	-.020486	.0198923
st_OH	-.0113754	.0196938	-0.58	0.564	-.0499745	.0272237
st_OK	.0245102	.0195301	1.26	0.209	-.013768	.0627885
st_OR	-.016139	.0171193	-0.94	0.346	-.0496921	.0174141
st_PA	-.0516508	.0196389	-2.63	0.009	-.0901423	-.0131592
st_PR	-.0516199	.0424322	-1.22	0.224	-.1347855	.0315456
st_RI	-.0368727	.0691242	-0.53	0.594	-.1723536	.0986082
st_SC	-.0135479	.0125708	-1.08	0.281	-.0381861	.0110903
st_SD	.009757	.018716	0.52	0.602	-.0269257	.0464396
st_TN	-.0007851	.0109816	-0.07	0.943	-.0223087	.0207385
st_TX	.0058588	.0166358	0.35	0.725	-.0267467	.0384644
st_UT	-.0301829	.0549029	-0.55	0.582	-.1377906	.0774249
st_VA	-.0160618	.015197	-1.06	0.291	-.0458474	.0137237
st_VT	-.0287262	.0318101	-0.90	0.366	-.0910728	.0336204
st_WA	.0012507	.0268245	0.05	0.963	-.0513244	.0538259
st_WI	-.008807	.0164194	-0.54	0.592	-.0409885	.0233746
st_WV	-.05008	.037181	-1.35	0.178	-.1229533	.0227933
st_WY	.4134703	.0891063	4.64	0.000	.2388252	.5881155
tsd_unemp_mean	-.0060507	.0037428	-1.62	0.106	-.0133865	.0012851
tsd_unemp_cng	-.0035388	.0026073	-1.36	0.175	-.008649	.0015713
pial	6.07e-06	6.73e-06	0.90	0.367	-7.13e-06	.0000193
pia_miss	.0000178	.0062097	0.00	0.998	-.012153	.0121886
ime1	-9.53e-07	2.20e-06	-0.43	0.665	-5.27e-06	3.36e-06
ime_miss	-.0023829	.0033242	-0.72	0.473	-.0088982	.0041324
_cons	.7419836	.0297753	24.92	0.000	.6836252	.800342

srvroll136						
mototkt	-.000349	.0003561	-0.98	0.327	-.0010469	.000349
male	.0005699	.0011708	0.49	0.626	-.0017247	.0028646
gendermiss_flag	.1508428	.1539978	0.98	0.327	-.1509874	.452673
tsd_age	-.0009015	.0001462	-6.17	0.000	-.001188	-.0006149
doage2	-.0000239	.0001325	-0.18	0.857	-.0002836	.0002358
doage2miss_flag	-.0502212	.1540912	-0.33	0.744	-.3522344	.2517921
race_a	.0017735	.0060343	0.29	0.769	-.0100536	.0136005
race_b	.000825	.0014587	0.57	0.572	-.002034	.003684
race_h	-.0030918	.0033356	-0.93	0.354	-.0096295	.0034458
race_i	-.0056794	.0071721	-0.79	0.428	-.0197364	.0083777
race_o	.0065805	.0087966	0.75	0.454	-.0106606	.0238215

race_mis	.0046728	.0051304	0.91	0.362	-.0053826	.0147282
tsd_edu_hs	.0066453	.001609	4.13	0.000	.0034918	.0097989
tsd_edu_mrhs	.0129901	.0019316	6.72	0.000	.0092042	.0167761
tsd_edu_mis	.0077989	.0018274	4.27	0.000	.0042174	.0113805
tsd_mie_exp	-.0068407	.003201	-2.14	0.033	-.0131146	-.0005668
tsd_mie_mis	-.0033205	.0019069	-1.74	0.082	-.0070579	.0004169
tsd_mie_psbl	-.0043456	.001601	-2.71	0.007	-.0074836	-.0012076
tsd_medicare	-.0042025	.001716	-2.45	0.014	-.0075659	-.0008392
tsd_medicare_miss	-.0040565	.006803	-0.60	0.551	-.0173901	.0092771
tsd_depend_1	-.0040851	.001637	-2.50	0.013	-.0072935	-.0008766
tsd_depend_2	-.0024786	.0014483	-1.71	0.087	-.0053171	.00036
tsd_depend_miss	-.0139485	.004652	-3.00	0.003	-.0230662	-.0048309
tsd_vrpr	-.7776063	.0028567	-272.21	0.000	-.7832052	-.7720073
tsd_vrpr_miss	-.8263787	.0026476	-312.12	0.000	-.831568	-.8211895
pdcgrou2	-.0035662	.0019373	-1.84	0.066	-.0073632	.0002308
pdcgrou3	-.0001402	.0022107	-0.06	0.949	-.0044731	.0041928
pdcgrou4	.0032149	.0017046	1.89	0.059	-.0001261	.0065559
pdcgrou5	-.0296556	.0168457	-1.76	0.078	-.0626726	.0033613
cohort2000	-.0000301	.0026083	-0.01	0.991	-.0051422	.0050821
cohort2001	-.0014572	.0043029	-0.34	0.735	-.0098908	.0069764
cohort2002	-.0025881	.0060445	-0.43	0.669	-.014435	.0092588
cohort2003	-.0010006	.0111342	-0.09	0.928	-.0228233	.020822
cohort2004	-.0394673	.0117986	-3.35	0.001	-.0625922	-.0163425
award_b4_tsd	.0023275	.0053492	0.44	0.663	-.0081567	.0128116
diaward_tsd	-.0002026	.0001828	-1.11	0.268	-.0005608	.0001556
epeb4twp_flag	-.1745772	.0543254	-3.21	0.001	-.2810529	-.0681014
ldwb4twp_flag	.1072314	.0395508	2.71	0.007	.0297132	.1847496
ldwb4epe_flag	.0465894	.0163046	2.86	0.004	.0146329	.0785459
twpb4tsd	.0040107	.0024252	1.65	0.098	-.0007427	.0087641
epeb4tsd	.0038151	.0033253	1.15	0.251	-.0027024	.0103326
ldwb4tsd	-.0116348	.0046689	-2.49	0.013	-.0207858	-.0024838
st_AL	.0059328	.0232509	0.26	0.799	-.0396381	.0515037
st_AR	-.0068765	.0107971	-0.64	0.524	-.0280385	.0142855
st_AZ	-.0027642	.0153849	-0.18	0.857	-.0329181	.0273896
st_CA	.010495	.0168936	0.62	0.534	-.0226159	.0436058
st_CO	.0237259	.0184216	1.29	0.198	-.0123799	.0598316
st_CT	-.0009361	.0116252	-0.08	0.936	-.023721	.0218488
st_DC	-.0159557	.0114172	-1.40	0.162	-.0383331	.0064216
st_DE	-.0193725	.0248471	-0.78	0.436	-.0680718	.0293269
st_FL	.0090912	.0130061	0.70	0.485	-.0164004	.0345827
st_GA	-.0077864	.013104	-0.59	0.552	-.0334698	.017897
st_HI	-.0296606	.0648345	-0.46	0.647	-.1567339	.0974126
st_IA	.0257238	.0220729	1.17	0.244	-.0175382	.0689858
st_ID	-.0264915	.0525696	-0.50	0.614	-.1295261	.076543
st_IL	.0020099	.0121712	0.17	0.869	-.0218452	.025865
st_IN	-.0103541	.011912	-0.87	0.385	-.0337013	.012993
st_KS	-.0034094	.0117181	-0.29	0.771	-.0263765	.0195577
st_KY	-.0106542	.009498	-1.12	0.262	-.02927	.0079615
st_LA	.0038531	.0094904	0.41	0.685	-.0147478	.0224541
st_MA	-.0023486	.0128599	-0.18	0.855	-.0275536	.0228563
st_MD	-.0172915	.0244158	-0.71	0.479	-.0651455	.0305626
st_ME	-.0343927	.0404513	-0.85	0.395	-.1136757	.0448904
st_MI	.0053428	.0081038	0.66	0.510	-.0105404	.0212259
st_MN	-.0026931	.0314967	-0.09	0.932	-.0644254	.0590393
st_MO	.001596	.0112235	0.14	0.887	-.0204017	.0235937
st_MS	-.0052602	.0089748	-0.59	0.558	-.0228505	.01233
st_MT	-.0132491	.0160767	-0.82	0.410	-.0447589	.0182608
st_NC	-.0258141	.0200734	-1.29	0.198	-.0651572	.013529
st_ND	-.0300426	.0188409	-1.59	0.111	-.0669702	.006885
st_NE	-.0091187	.053705	-0.17	0.865	-.1143786	.0961412
st_NH	-.0214327	.0146096	-1.47	0.142	-.050067	.0072015
st_NJ	-.0148837	.0101862	-1.46	0.144	-.0348483	.0050809
st_NM	-.0195825	.0109274	-1.79	0.073	-.0409998	.0018348

st_NV	-.0135759	.0117502	-1.16	0.248	-.0366058	.009454
st_NY	.0066782	.0104009	0.64	0.521	-.0137073	.0270636
st_OH	-.0176768	.0198853	-0.89	0.374	-.0566512	.0212976
st_OK	.0428179	.01972	2.17	0.030	.0041675	.0814684
st_OR	-.0085513	.0172857	-0.49	0.621	-.0424307	.025328
st_PA	-.0502067	.0198299	-2.53	0.011	-.0890726	-.0113409
st_PR	-.0886013	.0428448	-2.07	0.039	-.1725755	-.0046271
st_RI	-.0345968	.0697963	-0.50	0.620	-.171395	.1022014
st_SC	.0003652	.012693	0.03	0.977	-.0245126	.025243
st_SD	.0367719	.018898	1.95	0.052	-.0002675	.0738112
st_TN	.0068201	.0110884	0.62	0.539	-.0149128	.028553
st_TX	.007266	.0167975	0.43	0.665	-.0256566	.0401885
st_UT	-.0328663	.0554367	-0.59	0.553	-.1415203	.0757877
st_VA	-.0098	.0153448	-0.64	0.523	-.0398751	.0202752
st_VT	-.0321959	.0321194	-1.00	0.316	-.0951487	.030757
st_WA	-.0142039	.0270854	-0.52	0.600	-.0672903	.0388824
st_WI	.0270715	.0165791	1.63	0.102	-.0054229	.059566
st_WV	-.0586544	.0375425	-1.56	0.118	-.1322363	.0149275
st_WY	.3549602	.0899727	3.95	0.000	.1786169	.5313034
tsd_unemp_mean	-.0037546	.0037792	-0.99	0.320	-.0111617	.0036525
tsd_unemp_cng	-.0022884	.0026326	-0.87	0.385	-.0074483	.0028714
pial	-5.09e-07	6.80e-06	-0.07	0.940	-.0000138	.0000128
pia_miss	.0098502	.0062701	1.57	0.116	-.0024389	.0221394
ime1	-3.53e-08	2.22e-06	-0.02	0.987	-4.39e-06	4.32e-06
ime_miss	-.0019611	.0033565	-0.58	0.559	-.0085398	.0046175
_cons	.9005309	.0300648	29.95	0.000	.8416051	.9594568

srvroll48						
mototkt	-.0005352	.0003579	-1.50	0.135	-.0012366	.0001662
male	-.0002247	.0011766	-0.19	0.849	-.0025308	.0020814
gendermiss_flag	.0442518	.1547643	0.29	0.775	-.2590807	.3475844
tsd_age	-.0008392	.0001469	-5.71	0.000	-.0011272	-.0005512
doage2	-.000145	.0001332	-1.09	0.276	-.0004061	.000116
doage2miss_flag	-.0628648	.1548582	-0.41	0.685	-.3663812	.2406517
race_a	-.003071	.0060643	-0.51	0.613	-.0149569	.0088149
race_b	.001099	.001466	0.75	0.453	-.0017742	.0039723
race_h	-.0012116	.0033522	-0.36	0.718	-.0077818	.0053585
race_i	.0077136	.0072078	1.07	0.285	-.0064134	.0218406
race_o	-.001248	.0088404	-0.14	0.888	-.0185749	.0160789
race_mis	.0016327	.0051559	0.32	0.751	-.0084727	.0117381
tsd_edu_hs	.0078944	.001617	4.88	0.000	.0047251	.0110636
tsd_edu_mrhs	.015803	.0019412	8.14	0.000	.0119982	.0196078
tsd_edu_mis	.0079624	.0018365	4.34	0.000	.0043631	.0115618
tsd_mie_exp	-.007843	.003217	-2.44	0.015	-.0141481	-.0015378
tsd_mie_mis	-.0039658	.0019164	-2.07	0.039	-.0077218	-.0002098
tsd_mie_psbl	-.005964	.001609	-3.71	0.000	-.0091176	-.0028104
tsd_medicare	-.0060681	.0017246	-3.52	0.000	-.0094482	-.002688
tsd_medicare_miss	-.008696	.0068368	-1.27	0.203	-.022096	.0047039
tsd_depend_1	-.0040449	.0016451	-2.46	0.014	-.0072693	-.0008204
tsd_depend_2	-.0023734	.0014555	-1.63	0.103	-.0052261	.0004792
tsd_depend_miss	-.0152026	.0046751	-3.25	0.001	-.0243657	-.0060396
tsd_vrpr	-.871001	.0028709	-303.39	0.000	-.8766278	-.8653742
tsd_vrpr_miss	-.9304604	.0026608	-349.69	0.000	-.9356755	-.9252453
pdcgrou2	-.00327	.0019469	-1.68	0.093	-.0070859	.0005458
pdcgrou3	-.0019432	.0022217	-0.87	0.382	-.0062977	.0024113
pdcgrou4	.0010912	.0017131	0.64	0.524	-.0022665	.0044488
pdcgrou5	-.0403024	.0169295	-2.38	0.017	-.0734837	-.0071211
cohort2000	.0033934	.0026213	1.29	0.195	-.0017442	.008531
cohort2001	.0022136	.0043244	0.51	0.609	-.006262	.0106891
cohort2002	.0032949	.0060745	0.54	0.588	-.008611	.0152008
cohort2003	.0085599	.0111896	0.76	0.444	-.0133714	.0304912
cohort2004	-.0335584	.0118573	-2.83	0.005	-.0567984	-.0103185
award_b4_tsd	-.0001061	.0053758	-0.02	0.984	-.0106425	.0104302

diaward_tsd	-.0001333	.0001837	-0.73	0.468	-.0004933	.0002267
epeb4twp_flag	-.064294	.0545958	-1.18	0.239	-.1712997	.0427118
ldwb4twp_flag	.0642857	.0397477	1.62	0.106	-.0136184	.1421897
ldwb4epe_flag	.0468988	.0163858	2.86	0.004	.0147832	.0790143
twpb4tsd	.0015957	.0024373	0.65	0.513	-.0031813	.0063728
epeb4tsd	.0057625	.0033419	1.72	0.085	-.0007874	.0123125
ldwb4tsd	-.0137763	.0046922	-2.94	0.003	-.0229728	-.0045797
st_AL	.0171372	.0233666	0.73	0.463	-.0286606	.0629349
st_AR	-.0018099	.0108509	-0.17	0.868	-.0230772	.0194575
st_AZ	.0017122	.0154615	0.11	0.912	-.0285917	.0320161
st_CA	.0072017	.0169777	0.42	0.671	-.0260739	.0404774
st_CO	.0323839	.0185133	1.75	0.080	-.0039015	.0686694
st_CT	.0056017	.011683	0.48	0.632	-.0172966	.0285
st_DC	-.0139007	.0114741	-1.21	0.226	-.0363895	.008588
st_DE	-.0014611	.0249707	-0.06	0.953	-.0504029	.0474806
st_FL	.0185305	.0130709	1.42	0.156	-.0070879	.0441489
st_GA	.0003943	.0131692	0.03	0.976	-.0254169	.0262056
st_HI	-.0219413	.0651572	-0.34	0.736	-.1496471	.1057645
st_IA	.0281912	.0221827	1.27	0.204	-.0152861	.0716686
st_ID	-.0253536	.0528313	-0.48	0.631	-.128901	.0781938
st_IL	.02051	.0122318	1.68	0.094	-.0034639	.0444838
st_IN	-.0022521	.0119713	-0.19	0.851	-.0257154	.0212113
st_KS	.0041298	.0117765	0.35	0.726	-.0189516	.0272113
st_KY	-.0043026	.0095453	-0.45	0.652	-.023011	.0144058
st_LA	.0111782	.0095377	1.17	0.241	-.0075153	.0298717
st_MA	.006159	.0129239	0.48	0.634	-.0191714	.0314895
st_MD	-.0215244	.0245373	-0.88	0.380	-.0696166	.0265678
st_ME	-.0332698	.0406526	-0.82	0.413	-.1129475	.0464079
st_MI	.0134392	.0081441	1.65	0.099	-.0025231	.0294014
st_MN	.0220085	.0316535	0.70	0.487	-.0400311	.0840482
st_MO	.0101195	.0112794	0.90	0.370	-.0119877	.0322267
st_MS	-.0011513	.0090195	-0.13	0.898	-.0188292	.0165265
st_MT	-.0091296	.0161568	-0.57	0.572	-.0407963	.0225371
st_NC	-.0192577	.0201733	-0.95	0.340	-.0587966	.0202812
st_ND	-.0308249	.0189347	-1.63	0.104	-.0679363	.0062865
st_NE	-.0288656	.0539723	-0.53	0.593	-.1346494	.0769182
st_NH	-.0148223	.0146823	-1.01	0.313	-.0435991	.0139545
st_NJ	-.0138263	.0102369	-1.35	0.177	-.0338903	.0062377
st_NM	-.0149309	.0109818	-1.36	0.174	-.0364548	.006593
st_NV	-.0030404	.0118087	-0.26	0.797	-.0261849	.0201042
st_NY	.0135733	.0104527	1.30	0.194	-.0069136	.0340602
st_OH	-.02715	.0199842	-1.36	0.174	-.0663184	.0120184
st_OK	.0528718	.0198181	2.67	0.008	.014029	.0917146
st_OR	.002359	.0173717	0.14	0.892	-.031689	.0364069
st_PA	-.0536612	.0199286	-2.69	0.007	-.0927205	-.014602
st_PR	-.1131687	.043058	-2.63	0.009	-.1975608	-.0287765
st_RI	-.0332579	.0701437	-0.47	0.635	-.170737	.1042212
st_SC	.004704	.0127562	0.37	0.712	-.0202976	.0297056
st_SD	.0443673	.018992	2.34	0.019	.0071436	.081591
st_TN	.0153772	.0111436	1.38	0.168	-.0064639	.0372182
st_TX	.0078867	.0168811	0.47	0.640	-.0251997	.0409732
st_UT	-.03281	.0557127	-0.59	0.556	-.1420048	.0763849
st_VA	.0038119	.0154211	0.25	0.805	-.026413	.0340368
st_VT	.1095451	.0322792	3.39	0.001	.0462789	.1728113
st_WA	-.023464	.0272202	-0.86	0.389	-.0768146	.0298865
st_WI	.0549988	.0166616	3.30	0.001	.0223427	.087655
st_WV	-.0612864	.0377293	-1.62	0.104	-.1352345	.0126617
st_WY	.3228966	.0904205	3.57	0.000	.1456757	.5001176
tsd_unemp_mean	-.0015042	.003798	-0.40	0.692	-.0089481	.0059398
tsd_unemp_cng	-.0037102	.0026457	-1.40	0.161	-.0088957	.0014753
pial	-9.90e-06	6.83e-06	-1.45	0.147	-.0000233	3.49e-06
pia_miss	.0010376	.0063013	0.16	0.869	-.0113127	.0133879
ime1	2.21e-06	2.23e-06	0.99	0.321	-2.16e-06	6.59e-06

ime_miss		.0028186	.0033732	0.84	0.403	-.0037928	.00943
_cons		.9913812	.0302144	32.81	0.000	.932162	1.0506

Endogenous variables: srvroll12 srvroll24 srvroll36 srvroll48 mototkt
Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
 race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
 tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
 tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
 epb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epb4tsd ldwb4tsd
 st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
 st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
 st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
 st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
 st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pia1 pia_miss imel
 ime_miss imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19

(1) 12*[srvroll12]mototkt + 12*[srvroll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0181281	.0072206	-2.51	0.012	-.0322802	-.0039759

(1) 12*[srvroll12]mototkt + 12*[srvroll24]mototkt + 12*[srvroll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0223157	.0105921	-2.11	0.035	-.0430759	-.0015555

(1) 12*[srvroll12]mototkt + 12*[srvroll24]mototkt + 12*[srvroll36]mototkt +
12*[srvroll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0287386	.0139042	-2.07	0.039	-.0559903	-.0014868

phase 2 dependent variable: nstw, unemployment: unemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
nstw12	77128	99	1.015177	0.4127	54190.41	0.0000
nstw24	77128	99	2.345894	0.3463	40860.44	0.0000
nstw36	77128	99	3.925846	0.2952	32304.46	0.0000
nstw48	77128	99	5.662946	0.2577	26773.85	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
nstw12						
mototkt	.0033503	.0023494	1.43	0.154	-.0012544	.007955
male	.0165438	.0077243	2.14	0.032	.0014044	.0316832

gendermiss_flag	.0484066	1.016026	0.05	0.962	-1.942968	2.039781
tsd_age	-.0055077	.0009646	-5.71	0.000	-.0073983	-.0036171
doage2	.0019168	.0008743	2.19	0.028	.0002032	.0036304
doage2miss_flag	.0394949	1.016642	0.04	0.969	-1.953088	2.032077
race_a	-.0110779	.0398124	-0.28	0.781	-.0891087	.0669529
race_b	.0291075	.009624	3.02	0.002	.0102448	.0479702
race_h	.0583756	.0220071	2.65	0.008	.0152424	.1015088
race_i	.0489958	.0473191	1.04	0.300	-.0437479	.1417395
race_o	-.0269691	.0580372	-0.46	0.642	-.1407199	.0867817
race_mis	-.0349118	.0338486	-1.03	0.302	-.1012538	.0314302
tsd_edu_hs	.0275524	.0106155	2.60	0.009	.0067464	.0483584
tsd_edu_mrhs	.06848	.0127443	5.37	0.000	.0435017	.0934583
tsd_edu_mis	.0275852	.0120563	2.29	0.022	.0039553	.051215
tsd_mie_exp	.0282838	.0211194	1.34	0.180	-.0131094	.069677
tsd_mie_mis	.0226643	.0125809	1.80	0.072	-.0019938	.0473224
tsd_mie_psbl	.0008559	.0105632	0.08	0.935	-.0198475	.0215593
tsd_medicare	-.0525529	.0113218	-4.64	0.000	-.0747431	-.0303626
tsd_medicare_miss	-.0245428	.0448837	-0.55	0.585	-.1125132	.0634275
tsd_depend_1	-.0197107	.0108003	-1.83	0.068	-.0408789	.0014576
tsd_depend_2	-.0255945	.0095551	-2.68	0.007	-.0443222	-.0068668
tsd_depend_miss	.0264184	.030692	0.86	0.389	-.0337368	.0865737
tsd_vrpr	.1166741	.0188473	6.19	0.000	.0797341	.1536141
tsd_vrpr_miss	.1280407	.0174681	7.33	0.000	.0938038	.1622776
pdcgrou2	.0053765	.0127815	0.42	0.674	-.0196748	.0304278
pdcgrou3	.0352034	.0145857	2.41	0.016	.0066158	.0637909
pdcgrou4	.0578627	.0112466	5.14	0.000	.0358199	.0799056
pdcgrou5	-.0356722	.1111422	-0.32	0.748	-.2535068	.1821624
cohort2000	.000618	.0172085	0.04	0.971	-.0331101	.0343461
cohort2001	.0034485	.0283893	0.12	0.903	-.0521936	.0590906
cohort2002	-.0516094	.0398793	-1.29	0.196	-.1297714	.0265526
cohort2003	.0397296	.0734598	0.54	0.589	-.1042489	.1837081
cohort2004	.0816	.0778432	1.05	0.295	-.0709698	.2341698
award_b4_tsd	-.0291582	.035292	-0.83	0.409	-.0983291	.0400128
diaward_tsd	-.0022869	.0012058	-1.90	0.058	-.0046503	.0000764
epeb4twp_flag	.9815431	.3584206	2.74	0.006	.2790517	1.684035
ldwb4twp_flag	.1860001	.2609431	0.71	0.476	-.3254389	.6974391
ldwb4epe_flag	-.2767463	.1075724	-2.57	0.010	-.4875843	-.0659083
twpb4tsd	.8719196	.0160009	54.49	0.000	.8405584	.9032807
epeb4tsd	.5628006	.0219393	25.65	0.000	.5198003	.6058008
ldwb4tsd	5.516779	.0308042	179.09	0.000	5.456404	5.577154
st_AL	-.2585564	.1534016	-1.69	0.092	-.5592181	.0421053
st_AR	.0140686	.0712358	0.20	0.843	-.1255511	.1536883
st_AZ	-.0441918	.1015043	-0.44	0.663	-.2431366	.154753
st_CA	.1246701	.1114583	1.12	0.263	-.0937841	.3431244
st_CO	.000539	.1215398	0.00	0.996	-.2376746	.2387527
st_CT	.0353181	.0766989	0.46	0.645	-.1150089	.1856452
st_DC	.1356168	.0753271	1.80	0.072	-.0120216	.2832552
st_DE	.0213931	.1639327	0.13	0.896	-.2999091	.3426952
st_FL	-.003111	.08581	-0.04	0.971	-.1712956	.1650736
st_GA	.069448	.0864559	0.80	0.422	-.1000025	.2388986
st_HI	.0244679	.4277563	0.06	0.954	-.813919	.8628549
st_IA	-.1066087	.1456293	-0.73	0.464	-.3920369	.1788195
st_ID	.7546428	.3468368	2.18	0.030	.0748552	1.43443
st_IL	-.0419237	.0803015	-0.52	0.602	-.1993117	.1154643
st_IN	.0204313	.0785916	0.26	0.795	-.1336054	.1744679
st_KS	-.0109983	.0773124	-0.14	0.887	-.1625278	.1405312
st_KY	.0159784	.0626646	0.25	0.799	-.106842	.1387988
st_LA	.0482061	.0626148	0.77	0.441	-.0745166	.1709288
st_MA	-.0718235	.0848455	-0.85	0.397	-.2381176	.0944705
st_MD	.4478301	.1610871	2.78	0.005	.1321051	.763555
st_ME	.771221	.2668841	2.89	0.004	.2481377	1.294304
st_MI	.0419652	.0534662	0.78	0.433	-.0628266	.1467571
st_MN	.3533015	.2078046	1.70	0.089	-.053988	.760591

st_MO	.00638	.074049	0.09	0.931	-.1387534	.1515133
st_MS	.0581259	.0592127	0.98	0.326	-.0579289	.1741807
st_MT	.0738862	.106069	0.70	0.486	-.1340051	.2817776
st_NC	.4471519	.1324374	3.38	0.001	.1875795	.7067244
st_ND	-.0371869	.1243062	-0.30	0.765	-.2808226	.2064488
st_NE	-.0886931	.3543277	-0.25	0.802	-.7831626	.6057765
st_NH	.0042078	.0963892	0.04	0.965	-.1847115	.1931271
st_NJ	.04189	.0672052	0.62	0.533	-.0898297	.1736097
st_NM	.1237832	.0720953	1.72	0.086	-.0175209	.2650874
st_NV	-.0114827	.0775238	-0.15	0.882	-.1634266	.1404611
st_NY	-.0063562	.0686219	-0.09	0.926	-.1408526	.1281402
st_OH	.2310465	.1311963	1.76	0.078	-.0260936	.4881866
st_OK	.0807971	.1301058	0.62	0.535	-.1742055	.3357998
st_OR	-.0614701	.1140453	-0.54	0.590	-.2849948	.1620546
st_PA	.3503026	.1308308	2.68	0.007	.093879	.6067262
st_PR	.0610657	.2826754	0.22	0.829	-.4929679	.6150994
st_RI	-.4823001	.4604925	-1.05	0.295	-1.384849	.4202486
st_SC	-.0125207	.083744	-0.15	0.881	-.176656	.1516146
st_SD	.0123492	.1246825	0.10	0.921	-.2320239	.2567223
st_TN	.0232236	.0731576	0.32	0.751	-.1201627	.16661
st_TX	.40504	.1108245	3.65	0.000	.187828	.622252
st_UT	-.0376534	.3657531	-0.10	0.918	-.7545164	.6792095
st_VA	.0388739	.1012396	0.38	0.701	-.159552	.2372998
st_VT	-.1081172	.2119129	-0.51	0.610	-.5234589	.3072245
st_WA	.0130246	.1787002	0.07	0.942	-.3372213	.3632705
st_WI	.0153017	.1093833	0.14	0.889	-.1990856	.2296889
st_WV	.6369386	.2476926	2.57	0.010	.15147	1.122407
st_WY	.0531319	.5936098	0.09	0.929	-1.110322	1.216586
tsd_unemp_mean	-.0021599	.0249339	-0.09	0.931	-.0510294	.0467095
tsd_unemp_cng	.0196979	.0173692	1.13	0.257	-.0143451	.0537409
pial	-.0000365	.0000448	-0.81	0.416	-.0001244	.0000514
pia_miss	-.0801954	.0413679	-1.94	0.053	-.1612749	.0008841
ime1	.0000331	.0000147	2.26	0.024	4.38e-06	.0000619
ime_miss	.0150738	.0221451	0.68	0.496	-.0283298	.0584774
_cons	-.0036217	.1983573	-0.02	0.985	-.3923949	.3851514

nstw24						
mototkt	.0041916	.005429	0.77	0.440	-.006449	.0148323
male	.0685328	.0178496	3.84	0.000	.0335482	.1035173
gendermiss_flag	-.1510321	2.347857	-0.06	0.949	-4.752746	4.450682
tsd_age	-.0168255	.002229	-7.55	0.000	-.0211943	-.0124566
doage2	.0035884	.0020204	1.78	0.076	-.0003715	.0075482
doage2miss_flag	-.0227155	2.34928	-0.01	0.992	-4.627221	4.58179
race_a	.0015641	.0919994	0.02	0.986	-.1787514	.1818795
race_b	.0889751	.0222394	4.00	0.000	.0453868	.1325634
race_h	.1374023	.0508546	2.70	0.007	.0377291	.2370754
race_i	.0872892	.109346	0.80	0.425	-.1270251	.3016035
race_o	.0020772	.1341136	0.02	0.988	-.2607807	.2649351
race_mis	-.0467154	.078218	-0.60	0.550	-.20002	.1065891
tsd_edu_hs	.0615812	.0245305	2.51	0.012	.0135022	.1096601
tsd_edu_mrhs	.2043393	.0294498	6.94	0.000	.1466189	.2620598
tsd_edu_mis	.107028	.0278599	3.84	0.000	.0524235	.1616324
tsd_mie_exp	.0474538	.0488031	0.97	0.331	-.0481985	.1431061
tsd_mie_mis	.0212348	.0290722	0.73	0.465	-.0357456	.0782152
tsd_mie_psbl	.0040078	.0244096	0.16	0.870	-.0438341	.0518497
tsd_medicare	-.1462668	.0261626	-5.59	0.000	-.1975445	-.0949891
tsd_medicare_miss	-.1538077	.1037182	-1.48	0.138	-.3570916	.0494762
tsd_depend_1	-.0840227	.0249576	-3.37	0.001	-.1329387	-.0351067
tsd_depend_2	-.0727474	.0220802	-3.29	0.001	-.1160238	-.029471
tsd_depend_miss	.0657113	.0709238	0.93	0.354	-.0732968	.2047194
tsd_vrpr	.3336974	.0435527	7.66	0.000	.2483356	.4190592
tsd_vrpr_miss	.3036239	.0403658	7.52	0.000	.2245085	.3827394
pdcgrou2	-.0008621	.0295358	-0.03	0.977	-.0587512	.057027

pdcgrou3	.1077165	.033705	3.20	0.001	.0416558	.1737772
pdcgrou4	.1649877	.0259888	6.35	0.000	.1140506	.2159248
pdcgrou5	.0011765	.2568299	0.00	0.996	-.5022008	.5045538
cohort2000	-.0078691	.0397659	-0.20	0.843	-.0858088	.0700706
cohort2001	.0063487	.0656027	0.10	0.923	-.1222303	.1349277
cohort2002	-.1243081	.092154	-1.35	0.177	-.3049266	.0563104
cohort2003	.0721132	.1697525	0.42	0.671	-.2605956	.404822
cohort2004	.1267906	.1798818	0.70	0.481	-.2257712	.4793524
award_b4_tsd	.0067669	.0815534	0.08	0.934	-.153075	.1666087
diaward_tsd	-.0073599	.0027864	-2.64	0.008	-.0128212	-.0018986
epeb4twp_flag	.9023337	.8282465	1.09	0.276	-.7209996	2.525667
ldwb4twp_flag	.2002414	.6029932	0.33	0.740	-.9816036	1.382086
ldwb4epe_flag	.266215	.2485808	1.07	0.284	-.2209944	.7534243
twpb4tsd	2.712277	.0369752	73.35	0.000	2.639807	2.784747
epeb4tsd	.9776136	.0506979	19.28	0.000	.8782476	1.07698
ldwb4tsd	10.11044	.071183	142.03	0.000	9.970925	10.24996
st_AL	-.1887042	.354484	-0.53	0.594	-.8834801	.5060717
st_AR	.0627996	.1646134	0.38	0.703	-.2598368	.385436
st_AZ	.0701039	.2345585	0.30	0.765	-.3896223	.5298301
st_CA	.1174961	.2575604	0.46	0.648	-.387313	.6223052
st_CO	-.0247569	.280857	-0.09	0.930	-.5752264	.5257127
st_CT	.1506516	.1772375	0.85	0.395	-.1967276	.4980308
st_DC	.3912719	.1740676	2.25	0.025	.0501057	.7324381
st_DE	.4591175	.3788193	1.21	0.226	-.2833548	1.20159
st_FL	.1023698	.1982918	0.52	0.606	-.286275	.4910146
st_GA	.3039462	.1997843	1.52	0.128	-.0876239	.6955163
st_HI	.170046	.988469	0.17	0.863	-1.767318	2.10741
st_IA	-.066627	.3365235	-0.20	0.843	-.726201	.592947
st_ID	1.756003	.8014784	2.19	0.028	.185134	3.326871
st_IL	-.0977737	.1855625	-0.53	0.598	-.4614696	.2659221
st_IN	.1585108	.1816112	0.87	0.383	-.1974406	.5144623
st_KS	.0794131	.1786552	0.44	0.657	-.2707447	.4295709
st_KY	.0596683	.1448068	0.41	0.680	-.2241479	.3434844
st_LA	.196992	.1446917	1.36	0.173	-.0865985	.4805824
st_MA	.038402	.1960629	0.20	0.845	-.3458741	.4226782
st_MD	1.157756	.3722438	3.11	0.002	.4281715	1.88734
st_ME	1.602341	.6167219	2.60	0.009	.3935881	2.811094
st_MI	.083689	.123551	0.68	0.498	-.1584665	.3258444
st_MN	.8078848	.4801996	1.68	0.092	-.133289	1.749059
st_MO	.096318	.1711141	0.56	0.574	-.2390594	.4316954
st_MS	.1771691	.1368301	1.29	0.195	-.091013	.4453511
st_MT	.2522485	.2451066	1.03	0.303	-.2281517	.7326486
st_NC	.8523483	.3060393	2.79	0.005	.2525224	1.452174
st_ND	.1248015	.2872496	0.43	0.664	-.4381974	.6878004
st_NE	-.189623	.8187885	-0.23	0.817	-1.794419	1.415173
st_NH	.3034666	.2227383	1.36	0.173	-.1330924	.7400257
st_NJ	.2019487	.1552993	1.30	0.193	-.1024322	.5063297
st_NM	.3374714	.1665994	2.03	0.043	.0109426	.6640002
st_NV	.0950534	.1791438	0.53	0.596	-.2560619	.4461687
st_NY	.0285801	.158573	0.18	0.857	-.2822172	.3393775
st_OH	.4823982	.3031715	1.59	0.112	-.1118069	1.076603
st_OK	.0316762	.3006514	0.11	0.916	-.5575897	.6209422
st_OR	-.1496015	.2635385	-0.57	0.570	-.6661275	.3669245
st_PA	.7323356	.3023267	2.42	0.015	.1397861	1.324885
st_PR	-.1951617	.6532129	-0.30	0.765	-1.475435	1.085112
st_RI	-1.379849	1.064117	-1.30	0.195	-3.465479	.7057816
st_SC	-.009773	.1935176	-0.05	0.960	-.3890606	.3695145
st_SD	.2135085	.2881191	0.74	0.459	-.3511945	.7782115
st_TN	.1316926	.1690543	0.78	0.436	-.1996477	.463033
st_TX	.6183387	.2560957	2.41	0.016	.1164003	1.120277
st_UT	-.1163147	.8451907	-0.14	0.891	-1.772858	1.540229
st_VA	.2901171	.2339467	1.24	0.215	-.1684101	.7486442
st_VT	.0534493	.4896932	0.11	0.913	-.9063317	1.01323

st_WA	.0706358	.4129445	0.17	0.864	-.7387204	.8799921
st_WI	.0576235	.2527653	0.23	0.820	-.4377874	.5530344
st_WV	1.609952	.5723738	2.81	0.005	.4881197	2.731784
st_WY	.2271696	1.371727	0.17	0.868	-2.461366	2.915705
tsd_unemp_mean	.0569028	.0576177	0.99	0.323	-.0560259	.1698314
tsd_unemp_cng	.0495927	.0401371	1.24	0.217	-.0290746	.1282601
pial	-.0000722	.0001036	-0.70	0.486	-.0002753	.0001309
pia_miss	-.2856659	.0955938	-2.99	0.003	-.4730263	-.0983055
ime1	.0000951	.0000339	2.81	0.005	.0000287	.0001615
ime_miss	.0212207	.0511734	0.41	0.678	-.0790774	.1215187
_cons	-.1890947	.4583685	-0.41	0.680	-1.087481	.7092911

nstw36						
mototkt	.0045127	.0090854	0.50	0.619	-.0132944	.0223198
male	.1401368	.0298712	4.69	0.000	.0815903	.1986833
gendermiss_flag	-.6481135	3.92913	-0.16	0.869	-8.349068	7.052841
tsd_age	-.033786	.0037303	-9.06	0.000	-.0410972	-.0264748
doage2	.0042355	.0033811	1.25	0.210	-.0023913	.0108622
doage2miss_flag	-.2238473	3.931513	-0.06	0.955	-7.929472	7.481777
race_a	.0206933	.1539606	0.13	0.893	-.281064	.3224507
race_b	.1667578	.0372175	4.48	0.000	.0938129	.2397027
race_h	.2228025	.085105	2.62	0.009	.0559998	.3896051
race_i	.1256321	.1829902	0.69	0.492	-.2330222	.4842864
race_o	.0242612	.2244387	0.11	0.914	-.4156306	.4641531
race_mis	-.0756988	.1308976	-0.58	0.563	-.3322535	.1808558
tsd_edu_hs	.1058547	.0410518	2.58	0.010	.0253947	.1863147
tsd_edu_mrhs	.41793	.0492841	8.48	0.000	.3213349	.514525
tsd_edu_mis	.2251019	.0466235	4.83	0.000	.1337215	.3164822
tsd_mie_exp	.0876527	.0816718	1.07	0.283	-.0724211	.2477266
tsd_mie_mis	-.0077157	.0486522	-0.16	0.874	-.1030722	.0876408
tsd_mie_psbl	-.0162175	.0408493	-0.40	0.691	-.0962807	.0638458
tsd_medicare	-.242609	.043783	-5.54	0.000	-.3284221	-.156796
tsd_medicare_miss	-.3820116	.173572	-2.20	0.028	-.7222066	-.0418167
tsd_depend_1	-.1850085	.0417665	-4.43	0.000	-.2668693	-.1031477
tsd_depend_2	-.1225854	.0369511	-3.32	0.001	-.1950082	-.0501625
tsd_depend_miss	.03088	.1186908	0.26	0.795	-.2017496	.2635097
tsd_vrpr	.5735165	.0728854	7.87	0.000	.4306637	.7163692
tsd_vrpr_miss	.4298332	.067552	6.36	0.000	.2974337	.5223227
pdcgrou2	-.031744	.0494281	-0.64	0.521	-.1286212	.0651333
pdcgrou3	.1921485	.0564053	3.41	0.001	.0815961	.3027008
pdcgrou4	.2888984	.0434922	6.64	0.000	.2036553	.3741414
pdcgrou5	-.0403397	.4298039	-0.09	0.925	-.88274	.8020605
cohort2000	-.0483915	.0665481	-0.73	0.467	-.1788233	.0820403
cohort2001	-.032835	.109786	-0.30	0.765	-.2480116	.1823415
cohort2002	-.2404672	.1542194	-1.56	0.119	-.5427317	.0617972
cohort2003	.1993052	.2840803	0.70	0.483	-.3574819	.7560924
cohort2004	.1973952	.3010315	0.66	0.512	-.3926158	.7874062
award_b4_tsd	.0849613	.1364794	0.62	0.534	-.1825335	.3524561
diaward_tsd	-.0139864	.0046631	-3.00	0.003	-.0231259	-.0048469
epeb4twp_flag	.8567447	1.386068	0.62	0.537	-1.859898	3.573388
ldwb4twp_flag	-.844234	1.009107	-0.84	0.403	-2.822048	1.13358
ldwb4epe_flag	1.693398	.4159991	4.07	0.000	.878055	2.508741
twpb4tsd	4.670844	.0618778	75.48	0.000	4.549565	4.792122
epeb4tsd	1.22116	.0848427	14.39	0.000	1.054871	1.387448
ldwb4tsd	14.20943	.1191245	119.28	0.000	13.97595	14.44291
st_AL	.2422349	.5932279	0.41	0.683	-.9204704	1.40494
st_AR	.0759309	.27548	0.28	0.783	-.464	.6158619
st_AZ	.3154047	.3925329	0.80	0.422	-.4539456	1.084755
st_CA	.3386254	.4310265	0.79	0.432	-.506171	1.183422
st_CO	-.1846841	.4700132	-0.39	0.694	-1.105893	.7365249
st_CT	.2700458	.2966064	0.91	0.363	-.3112921	.8513837
st_DC	.7641395	.2913016	2.62	0.009	.1931989	1.33508
st_DE	1.070939	.633953	1.69	0.091	-.1715858	2.313464

st_FL	.2965032	.3318407	0.89	0.372	-.3538926	.946899
st_GA	.5526776	.3343385	1.65	0.098	-.1026138	1.207969
st_HI	.2124182	1.6542	0.13	0.898	-3.029754	3.45459
st_IA	-.2376103	.563171	-0.42	0.673	-1.341405	.8661846
st_ID	3.043428	1.341272	2.27	0.023	.4145839	5.672272
st_IL	-.1051635	.3105383	-0.34	0.735	-.7138073	.5034803
st_IN	.3134222	.3039258	1.03	0.302	-.2822614	.9091057
st_KS	.2580081	.2989789	0.86	0.388	-.3279798	.8439961
st_KY	.1106934	.2423337	0.46	0.648	-.364272	.5856588
st_LA	.3513301	.242141	1.45	0.147	-.1232576	.8259178
st_MA	.3249563	.3281106	0.99	0.322	-.3181286	.9680411
st_MD	1.765949	.6229488	2.83	0.005	.5449917	2.986906
st_ME	2.332779	1.032082	2.26	0.024	.3099349	4.355623
st_MI	.1206396	.2067621	0.58	0.560	-.2846068	.5258859
st_MN	1.227042	.8036125	1.53	0.127	-.3480095	2.802093
st_MO	.1648979	.2863588	0.58	0.565	-.3963551	.7261509
st_MS	.3399505	.2289847	1.48	0.138	-.1088513	.7887523
st_MT	.5039484	.4101851	1.23	0.219	-.2999997	1.307896
st_NC	1.215946	.5121557	2.37	0.018	.212139	2.219753
st_ND	.2620112	.4807113	0.55	0.586	-.6801656	1.204188
st_NE	-.4424911	1.37024	-0.32	0.747	-3.128112	2.24313
st_NH	.6941495	.3727519	1.86	0.063	-.0364307	1.42473
st_NJ	.4017333	.2598928	1.55	0.122	-.1076473	.9111139
st_NM	.5454897	.2788036	1.96	0.050	-.0009553	1.091935
st_NV	.2319318	.2997965	0.77	0.439	-.3556586	.8195221
st_NY	.0990504	.2653714	0.37	0.709	-.4210679	.6191688
st_OH	.8044947	.5073565	1.59	0.113	-.1899057	1.798895
st_OK	.3122669	.5031392	0.62	0.535	-.6738678	1.298402
st_OR	-.1598324	.4410309	-0.36	0.717	-1.024237	.7045723
st_PA	1.119006	.5059428	2.21	0.027	.1273758	2.110635
st_PR	-.4488386	1.09315	-0.41	0.681	-2.591373	1.693695
st_RI	-2.430558	1.780796	-1.36	0.172	-5.920854	1.059737
st_SC	-.080317	.3238511	-0.25	0.804	-.7150535	.5544195
st_SD	.3687018	.4821663	0.76	0.444	-.5763268	1.31373
st_TN	.2297647	.2829119	0.81	0.417	-.3247324	.7842617
st_TX	.8798849	.4285754	2.05	0.040	.0398925	1.719877
st_UT	-.2426176	1.414424	-0.17	0.864	-3.014838	2.529602
st_VA	.5661425	.3915091	1.45	0.148	-.2012012	1.333486
st_VT	-.0642915	.8195	-0.08	0.937	-1.670482	1.541899
st_WA	.1858918	.6910612	0.27	0.788	-1.168563	1.540347
st_WI	.1407564	.423002	0.33	0.739	-.6883122	.969825
st_WV	2.991405	.9578657	3.12	0.002	1.114022	4.868787
st_WY	3.964896	2.295581	1.73	0.084	-.5343599	8.464151
tsd_unemp_mean	.1075619	.0964231	1.12	0.265	-.0814238	.2965477
tsd_unemp_cng	.1048782	.0671694	1.56	0.118	-.0267713	.2365278
pial	-.000074	.0001734	-0.43	0.669	-.000414	.0002659
pia_miss	-.4424359	.1599759	-2.77	0.006	-.7559829	-.1288889
ime1	.0001737	.0000567	3.06	0.002	.0000626	.0002848
ime_miss	-.0414883	.0856385	-0.48	0.628	-.2093367	.1263602
_cons	.041597	.7670783	0.05	0.957	-1.461849	1.545043

nstw48						
mototkt	.0054239	.0131055	0.41	0.679	-.0202624	.0311103
male	.2260329	.0430886	5.25	0.000	.1415808	.3104849
gendermiss_flag	-1.446069	5.667684	-0.26	0.799	-12.55453	9.662388
tsd_age	-.0540656	.0053808	-10.05	0.000	-.0646119	-.0435194
doage2	.0032495	.0048771	0.67	0.505	-.0063095	.0128084
doage2miss_flag	-.7700804	5.671121	-0.14	0.892	-11.88527	10.34511
race_a	-.0128602	.2220848	-0.06	0.954	-.4481385	.4224181
race_b	.2657679	.0536854	4.95	0.000	.1605465	.3709894
race_h	.2943021	.122762	2.40	0.017	.053693	.5349113
race_i	.1937941	.2639594	0.73	0.463	-.3235568	.7111451
race_o	-.0396732	.3237479	-0.12	0.902	-.6742075	.5948611

race_mis	-.097044	.188817	-0.51	0.607	-.4671185	.2730304
tsd_edu_hs	.1544212	.0592163	2.61	0.009	.0383594	.270483
tsd_edu_mrhs	.6902931	.0710912	9.71	0.000	.5509569	.8296293
tsd_edu_mis	.3614354	.0672533	5.37	0.000	.2296213	.4932496
tsd_mie_exp	.1035951	.1178098	0.88	0.379	-.1273079	.3344981
tsd_mie_mis	-.0394861	.0701797	-0.56	0.574	-.1770358	.0980635
tsd_mie_psbl	-.0575318	.0589243	-0.98	0.329	-.1730213	.0579576
tsd_medicare	-.3451381	.063156	-5.46	0.000	-.4689215	-.2213547
tsd_medicare_miss	-.6750842	.2503739	-2.70	0.007	-1.165808	-.1843605
tsd_depend_1	-.2847939	.0602473	-4.73	0.000	-.4028764	-.1667115
tsd_depend_2	-.1585605	.0533012	-2.97	0.003	-.2630289	-.0540921
tsd_depend_miss	-.1160579	.1712088	-0.68	0.498	-.4516211	.2195052
tsd_vrpr	.6445701	.1051356	6.13	0.000	.4385082	.850632
tsd_vrpr_miss	.3487468	.0974423	3.58	0.000	.1577635	.5397302
pdcgrou2	-.0989417	.0712989	-1.39	0.165	-.238685	.0408015
pdcgrou3	.256237	.0813634	3.15	0.002	.0967677	.4157063
pdcgrou4	.4058219	.0627365	6.47	0.000	.2828606	.5287831
pdcgrou5	-.1500036	.6199827	-0.24	0.809	-1.365147	1.06514
cohort2000	-.0803814	.0959941	-0.84	0.402	-.2685264	.1077636
cohort2001	-.0626903	.1583638	-0.40	0.692	-.3730778	.2476971
cohort2002	-.3325129	.2224581	-1.49	0.135	-.7685228	.1034969
cohort2003	.4550546	.4097796	1.11	0.267	-.3480986	1.258208
cohort2004	.4519621	.4342314	1.04	0.298	-.3991157	1.30304
award_b4_tsd	.1463136	.1968686	0.74	0.457	-.2395417	.5321689
diaward_tsd	-.0196949	.0067264	-2.93	0.003	-.0328784	-.0065114
epeb4twp_flag	2.628217	1.999372	1.31	0.189	-1.290481	6.546915
ldwb4twp_flag	-2.176707	1.455615	-1.50	0.135	-5.02966	.676246
ldwb4epe_flag	3.690698	.6000695	6.15	0.000	2.514583	4.866812
twpb4tsd	6.518766	.0892574	73.03	0.000	6.343825	6.693707
epeb4tsd	1.320469	.1223837	10.79	0.000	1.080601	1.560337
ldwb4tsd	18.00994	.1718344	104.81	0.000	17.67315	18.34673
st_AL	.5916844	.8557181	0.69	0.489	-1.085492	2.268861
st_AR	-.2007394	.3973739	-0.51	0.613	-.9795779	.5780992
st_AZ	.3790585	.5662201	0.67	0.503	-.7307124	1.488829
st_CA	.2579379	.6217462	0.41	0.678	-.9606623	1.476538
st_CO	-.5397379	.6779837	-0.80	0.426	-1.868562	.7890858
st_CT	.0678917	.4278482	0.16	0.874	-.7706755	.9064588
st_DC	.8945532	.4201961	2.13	0.033	.070984	1.718122
st_DE	1.347217	.9144632	1.47	0.141	-.4450981	3.139532
st_FL	.1397689	.4786729	0.29	0.770	-.7984127	1.077951
st_GA	.5056538	.4822759	1.05	0.294	-.4395896	1.450897
st_HI	-.2000571	2.386147	-0.08	0.933	-4.876819	4.476705
st_IA	-.7023699	.8123618	-0.86	0.387	-2.29457	.88983
st_ID	5.420301	1.934755	2.80	0.005	1.628251	9.21235
st_IL	-.347332	.4479446	-0.78	0.438	-1.225287	.5306233
st_IN	.1440343	.4384062	0.33	0.743	-.7152261	1.003295
st_KS	.1319473	.4312705	0.31	0.760	-.7133275	.977222
st_KY	-.1181721	.3495611	-0.34	0.735	-.8032992	.5669551
st_LA	.258462	.3492831	0.74	0.459	-.4261203	.9430443
st_MA	.3404183	.4732923	0.72	0.472	-.5872175	1.268054
st_MD	2.416342	.8985899	2.69	0.007	.6551384	4.177546
st_ME	2.66833	1.488756	1.79	0.073	-.2495773	5.586238
st_MI	-.0849662	.2982498	-0.28	0.776	-.6695251	.4995928
st_MN	1.166542	1.159193	1.01	0.314	-1.105435	3.438519
st_MO	-.0819426	.4130663	-0.20	0.843	-.8915377	.7276525
st_MS	.2674584	.3303054	0.81	0.418	-.3799283	.9148451
st_MT	.4283987	.591683	0.72	0.469	-.7312787	1.588076
st_NC	1.389206	.7387734	1.88	0.060	-.0587632	2.837175
st_ND	-.0212608	.6934155	-0.03	0.976	-1.38033	1.337809
st_NE	-1.202042	1.976541	-0.61	0.543	-5.075991	2.671907
st_NH	.7923553	.5376864	1.47	0.141	-.2614906	1.846201
st_NJ	.3239749	.3748897	0.86	0.387	-.4107954	1.058745
st_NM	.454128	.402168	1.13	0.259	-.3341069	1.242363

st_NV	.1171674	.4324498	0.27	0.786	-.7304187	.9647536
st_NY	.0250228	.3827924	0.07	0.948	-.7252365	.775282
st_OH	.6758868	.7318505	0.92	0.356	-.7585139	2.110288
st_OK	.5629981	.7257672	0.78	0.438	-.8594795	1.985476
st_OR	-.3429239	.6361774	-0.54	0.590	-1.589809	.9039608
st_PA	1.251897	.7298114	1.72	0.086	-.1785073	2.682301
st_PR	-.7317276	1.576844	-0.46	0.643	-3.822286	2.35883
st_RI	-3.818	2.568759	-1.49	0.137	-8.852674	1.216674
st_SC	-.4979963	.4671481	-1.07	0.286	-1.41359	.4175972
st_SD	.0399828	.6955143	0.06	0.954	-1.3232	1.403166
st_TN	.0211467	.4080941	0.05	0.959	-.7787031	.8209965
st_TX	.9591657	.6182106	1.55	0.121	-.2525047	2.170836
st_UT	-.6849015	2.040275	-0.34	0.737	-4.683768	3.313965
st_VA	.486407	.5647432	0.86	0.389	-.6204694	1.593283
st_VT	-.7760244	1.182111	-0.66	0.512	-3.092919	1.54087
st_WA	.2217709	.9968406	0.22	0.824	-1.732001	2.175543
st_WI	-.0991996	.610171	-0.16	0.871	-1.295113	1.096714
st_WV	4.451835	1.3817	3.22	0.001	1.743752	7.159917
st_WY	7.535177	3.311325	2.28	0.023	1.0451	14.02525
tsd_unemp_mean	.1080705	.1390881	0.78	0.437	-.1645372	.3806783
tsd_unemp_cng	.1573428	.0968903	1.62	0.104	-.0325587	.3472444
pial	-.0000782	.0002502	-0.31	0.755	-.0005685	.0004122
pia_miss	-.5184558	.2307617	-2.25	0.025	-.9707405	-.0661711
ime1	.000265	.0000818	3.24	0.001	.0001047	.0004253
ime_miss	-.1660727	.1235317	-1.34	0.179	-.4081904	.076045
_cons	1.252384	1.106494	1.13	0.258	-.9163034	3.421072

Endogenous variables: nstw12 nstw24 nstw36 nstw48 mototkt

Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
epb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epb4tsd ldwb4tsd
st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OK st_OR
st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss imm10 imm12 imm13 imm14 imm15 imm16 imm17 imm18 imm19

(1) 12*[nstw12]mototkt + 12*[nstw24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0905025	.0907136	1.00	0.318	-.0872929 .2682979

(1) 12*[nstw12]mototkt + 12*[nstw24]mototkt + 12*[nstw36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.144655	.1950413	0.74	0.458	-.237619 .526929

(1) 12*[nstw12]mototkt + 12*[nstw24]mototkt + 12*[nstw36]mototkt +
12*[nstw48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.2097423	.3454782	0.61	0.544	-.4673826	.8868673

phase 3 dependent variable: ldwroll, unemployment: unemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
ldwroll12	1.1e+05	99	.1264934	0.1208	15723.08	0.0000
ldwroll24	1.1e+05	99	.1762917	0.1204	15652.65	0.0000
ldwroll36	1.1e+05	99	.2102704	0.1201	15607.08	0.0000
ldwroll48	1.1e+05	99	.2367378	0.1135	14645.62	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
ldwroll12						
mototkt	-.0000737	.0002005	-0.37	0.713	-.0004667	.0003194
male	.0013011	.0007838	1.66	0.097	-.0002352	.0028374
gendermiss_flag	-.0072321	.0565848	-0.13	0.898	-.1181363	.1036721
tsd_age	-.0002804	.0000963	-2.91	0.004	-.0004692	-.0000916
doage2	-.0000834	.0000858	-0.97	0.331	-.0002515	.0000847
doage2miss_flag	-.1182946	.1265438	-0.93	0.350	-.366316	.1297267
race_a	-.0026442	.002538	-1.04	0.297	-.0076187	.0023302
race_b	.0041483	.0011017	3.77	0.000	.0019891	.0063076
race_h	.0014719	.0013797	1.07	0.286	-.0012323	.0041761
race_i	.0044153	.0050802	0.87	0.385	-.0055417	.0143724
race_o	.0114338	.0037709	3.03	0.002	.004043	.0188245
race_mis	.0066945	.0029445	2.27	0.023	.0009234	.0124656
tsd_edu_hs	.0028451	.0011687	2.43	0.015	.0005545	.0051358
tsd_edu_mrhs	.0067553	.0013406	5.04	0.000	.0041277	.0093828
tsd_edu_mis	.0049406	.001303	3.79	0.000	.0023868	.0074944
tsd_mie_exp	.0031847	.0024325	1.31	0.190	-.001583	.0079523
tsd_mie_mis	-.001845	.0013498	-1.37	0.172	-.0044904	.0008005
tsd_mie_psbl	-.0000268	.0010552	-0.03	0.980	-.002095	.0020414
tsd_medicare	-.005136	.0013745	-3.74	0.000	-.00783	-.002442
tsd_medicare_miss	-.0066213	.0047931	-1.38	0.167	-.0160156	.0027729
tsd_depend_1	-.0025797	.0011117	-2.32	0.020	-.0047587	-.0004008
tsd_depend_2	-.0004759	.0009831	-0.48	0.628	-.0024027	.001451
tsd_depend_miss	.0045745	.0035053	1.31	0.192	-.0022956	.0114447
tsd_vrpr	.0100312	.0022191	4.52	0.000	.0056819	.0143806
tsd_vrpr_miss	.0121008	.0021076	5.74	0.000	.0079701	.0162315
pdcgroup2	-.0024553	.0012566	-1.95	0.051	-.0049182	7.71e-06
pdcgroup3	.00362	.0014659	2.47	0.014	.0007469	.0064932
pdcgroup4	.0016985	.0011003	1.54	0.123	-.0004581	.0038551
pdcgroup5	-.0012277	.011454	-0.11	0.915	-.0236772	.0212218
cohort2000	.0023628	.0018817	1.26	0.209	-.0013253	.0060509
cohort2001	.0056693	.0028897	1.96	0.050	5.58e-06	.0113331
cohort2002	.0068185	.0040937	1.67	0.096	-.0012049	.014842
cohort2003	.0048262	.0053902	0.90	0.371	-.0057383	.0153907
cohort2004	.0155278	.0090162	1.72	0.085	-.0021436	.0331992
award_b4_tsd	-.0044723	.004744	-0.94	0.346	-.0137704	.0048257
diaward_tsd	-.0002235	.0001182	-1.89	0.059	-.0004551	8.17e-06
epeb4twp_flag	-.0931223	.0429763	-2.17	0.030	-.1773544	-.0088903
ldwb4twp_flag	.1019787	.0312077	3.27	0.001	.0408127	.1631447
ldwb4epe_flag	.1160273	.0108652	10.68	0.000	.094732	.1373226
twpb4tsd	.1539123	.0014767	104.23	0.000	.1510181	.1568065
epeb4tsd	.0592364	.002091	28.33	0.000	.0551381	.0633348

ldwb4tsd	-.0932325	.0027383	-34.05	0.000	-.0985995	-.0878655
st_AL	-.0032999	.0425828	-0.08	0.938	-.0867606	.0801609
st_AR	-.012764	.0445807	-0.29	0.775	-.1001406	.0746126
st_AZ	.0090563	.0437335	0.21	0.836	-.0766598	.0947724
st_CA	.0091737	.0422573	0.22	0.828	-.0736491	.0919965
st_CO	-.0095033	.0450579	-0.21	0.833	-.0978151	.0788086
st_CT	.0006621	.0439069	0.02	0.988	-.0853938	.0867181
st_DC	-.0271968	.0512005	-0.53	0.595	-.1275479	.0731544
st_DE	-.0116957	.0483791	-0.24	0.809	-.1065169	.0831256
st_FL	-.0137418	.0432256	-0.32	0.751	-.0984625	.0709788
st_GA	-.0050692	.0438927	-0.12	0.908	-.0910974	.080959
st_HI	-.0006538	.0436745	-0.01	0.988	-.0862543	.0849466
st_IA	-.027105	.0453891	-0.60	0.550	-.116066	.061856
st_ID	.0009185	.0428816	0.02	0.983	-.0831279	.0849649
st_IL	-.0165982	.0431017	-0.39	0.700	-.1010761	.0678796
st_IN	-.0158174	.0437987	-0.36	0.718	-.1016614	.0700265
st_KS	-.002342	.0447032	-0.05	0.958	-.0899585	.0852746
st_KY	-.0075298	.0434086	-0.17	0.862	-.0926091	.0775494
st_LA	.003764	.0439724	0.09	0.932	-.0824203	.0899483
st_MA	-.0056214	.0431722	-0.13	0.896	-.0902373	.0789945
st_MD	.0027594	.04292	0.06	0.949	-.0813623	.0868811
st_ME	-.000024	.042814	-0.00	1.000	-.083938	.08389
st_MI	-.0027331	.0426366	-0.06	0.949	-.0862993	.0808331
st_MN	.0011971	.0427447	0.03	0.978	-.0825808	.0849751
st_MO	-.0094084	.0430751	-0.22	0.827	-.093834	.0750172
st_MS	-.0011633	.0431762	-0.03	0.979	-.0857872	.0834606
st_MT	.0522068	.0508869	1.03	0.305	-.0475297	.1519432
st_NC	.0004939	.0424193	0.01	0.991	-.0826463	.0836341
st_ND	-.0548294	.0623987	-0.88	0.380	-.1771287	.0674699
st_NE	-.0053774	.0431988	-0.12	0.901	-.0900455	.0792908
st_NH	-.0163767	.0459886	-0.36	0.722	-.1065126	.0737593
st_NJ	-.0108054	.0432591	-0.25	0.803	-.0955917	.0739809
st_NM	-.028871	.0458352	-0.63	0.529	-.1187063	.0609644
st_NV	-.0222627	.0450834	-0.49	0.621	-.1106245	.0660992
st_NY	-.0117282	.0426921	-0.27	0.784	-.0954032	.0719469
st_OH	.00067	.0422889	0.02	0.987	-.0822147	.0835548
st_OK	-.0139665	.0459929	-0.30	0.761	-.104111	.076178
st_OR	-.0030813	.0440342	-0.07	0.944	-.0893868	.0832242
st_PA	.0039409	.0424395	0.09	0.926	-.0792389	.0871208
st_PR	.0139222	.0432554	0.32	0.748	-.0708568	.0987013
st_RI	.0057938	.0426331	0.14	0.892	-.0777656	.0893531
st_SC	.003488	.0430296	0.08	0.935	-.0808483	.0878244
st_SD	-.0348863	.0604917	-0.58	0.564	-.1534479	.0836753
st_TN	-.0120221	.0433591	-0.28	0.782	-.0970045	.0729602
st_TX	.0067937	.0422986	0.16	0.872	-.0761099	.0896974
st_UT	-.0006542	.0426872	-0.02	0.988	-.0843197	.0830112
st_VA	-.0094929	.0442318	-0.21	0.830	-.0961857	.0771999
st_VT	.0323558	.051051	0.63	0.526	-.0677024	.132414
st_WA	.0053008	.0422844	0.13	0.900	-.0775751	.0881768
st_WI	-.0214732	.0437638	-0.49	0.624	-.1072486	.0643022
st_WV	.0028657	.0425572	0.07	0.946	-.0805448	.0862763
st_WY	-.0112075	.0436461	-0.26	0.797	-.0967524	.0743373
tsd_unemp_mean	-.0031149	.0026948	-1.16	0.248	-.0083966	.0021669
tsd_unemp_cng	4.78e-06	.0015696	0.00	0.998	-.0030716	.0030812
pial	-8.29e-06	4.49e-06	-1.85	0.065	-.0000171	5.12e-07
pia_miss	-.0184965	.004538	-4.08	0.000	-.0273909	-.0096021
ime1	4.34e-06	1.47e-06	2.95	0.003	1.46e-06	7.23e-06
ime_miss	.0045502	.0022961	1.98	0.048	.00005	.0090505
_cons	.0224064	.0472571	0.47	0.635	-.0702159	.1150287

ldwroll24						
mototkt	-.0003365	.0002795	-1.20	0.229	-.0008843	.0002112
male	.0040064	.0010924	3.67	0.000	.0018653	.0061475

gendermiss_flag	-.0225973	.0788613	-0.29	0.774	-.1771625	.131968
tsd_age	-.0008805	.0001343	-6.56	0.000	-.0011437	-.0006174
doage2	-.0001353	.0001195	-1.13	0.258	-.0003695	.000099
doage2miss_flag	-.1440197	.1763619	-0.82	0.414	-.4896828	.2016433
race_a	.0012528	.0035372	0.35	0.723	-.00568	.0081856
race_b	.0099698	.0015354	6.49	0.000	.0069605	.0129791
race_h	.0057585	.0019229	2.99	0.003	.0019897	.0095273
race_i	-.0012101	.0070802	-0.17	0.864	-.0150871	.0126668
race_o	.0209475	.0052554	3.99	0.000	.0106471	.0312478
race_mis	.006999	.0041037	1.71	0.088	-.0010441	.0150421
tsd_edu_hs	.0058775	.0016288	3.61	0.000	.002685	.0090699
tsd_edu_mrhs	.0159221	.0018684	8.52	0.000	.01226	.0195841
tsd_edu_mis	.0101769	.0018159	5.60	0.000	.0066177	.013736
tsd_mie_exp	.0051513	.0033902	1.52	0.129	-.0014933	.0117958
tsd_mie_mis	-.0039394	.0018811	-2.09	0.036	-.0076264	-.0002524
tsd_mie_psbl	-.0008533	.0014707	-0.58	0.562	-.0037358	.0020291
tsd_medicare	-.0103172	.0019156	-5.39	0.000	-.0140717	-.0065626
tsd_medicare_mis	-.0254468	.00668	-3.81	0.000	-.0385394	-.0123542
tsd_depend_1	-.0042007	.0015494	-2.71	0.007	-.0072375	-.0011639
tsd_depend_2	-.001188	.0013701	-0.87	0.386	-.0038734	.0014974
tsd_depend_mis	-.0027605	.0048852	-0.57	0.572	-.0123353	.0068144
tsd_vrpr	.0131619	.0030927	4.26	0.000	.0071003	.0192235
tsd_vrpr_mis	.0054053	.0029373	1.84	0.066	-.0003516	.0111622
pdcgrou2	-.0091182	.0017514	-5.21	0.000	-.0125508	-.0056856
pdcgrou3	.0053857	.002043	2.64	0.008	.0013814	.00939
pdcgrou4	.0014351	.0015335	0.94	0.349	-.0015705	.0044408
pdcgrou5	-.0017235	.0159633	-0.11	0.914	-.033011	.029564
cohort2000	-.0016774	.0026225	-0.64	0.522	-.0068174	.0034626
cohort2001	.0000262	.0040273	0.01	0.995	-.0078673	.0079196
cohort2002	-.0007812	.0057053	-0.14	0.891	-.0119633	.0104009
cohort2003	.0012853	.0075122	0.17	0.864	-.0134383	.0160088
cohort2004	.035053	.0125657	2.79	0.005	.0104247	.0596813
award_b4_tsd	-.0137354	.0066116	-2.08	0.038	-.0266939	-.0007769
diaward_tsd	-.0005829	.0001647	-3.54	0.000	-.0009057	-.00026
epeb4twp_flag	-.1012176	.0598954	-1.69	0.091	-.2186104	.0161751
ldwb4twp_flag	.1063103	.0434936	2.44	0.015	.0210643	.1915562
ldwb4epe_flag	.2748525	.0151426	18.15	0.000	.2451736	.3045314
twpb4tsd	.2103015	.002058	102.19	0.000	.2062679	.2143351
epeb4tsd	.0565933	.0029142	19.42	0.000	.0508815	.0623051
ldwb4tsd	-.1307463	.0038164	-34.26	0.000	-.1382262	-.1232664
st_AL	.0109277	.0593469	0.18	0.854	-.1053901	.1272455
st_AR	.0107422	.0621313	0.17	0.863	-.1110329	.1325174
st_AZ	.0171302	.0609506	0.28	0.779	-.1023308	.1365912
st_CA	.0324658	.0588933	0.55	0.581	-.0829629	.1478945
st_CO	-.0011134	.0627964	-0.02	0.986	-.1241922	.1219653
st_CT	.0471725	.0611923	0.77	0.441	-.0727622	.1671072
st_DC	-.0313085	.0713573	-0.44	0.661	-.1711662	.1085492
st_DE	.01339	.0674251	0.20	0.843	-.1187608	.1455407
st_FL	-.009588	.0602428	-0.16	0.874	-.1276616	.1084857
st_GA	.0046852	.0611725	0.08	0.939	-.1152108	.1245811
st_HI	.0119027	.0608684	0.20	0.845	-.1073972	.1312026
st_IA	-.0327255	.063258	-0.52	0.605	-.1567089	.0912579
st_ID	.016973	.0597633	0.28	0.776	-.100161	.134107
st_IL	.0012158	.0600701	0.02	0.984	-.1165195	.1189511
st_IN	.0088188	.0610415	0.14	0.885	-.1108204	.128458
st_KS	.0095983	.062302	0.15	0.878	-.1125114	.131708
st_KY	.0072797	.0604978	0.12	0.904	-.1112937	.1258532
st_LA	.0037498	.0612836	0.06	0.951	-.1163637	.1238634
st_MA	-.0051085	.0601683	-0.08	0.932	-.1230362	.1128192
st_MD	.0218213	.0598169	0.36	0.715	-.0954176	.1390603
st_ME	.0186894	.0596692	0.31	0.754	-.09826	.1356388
st_MI	.0148803	.0594219	0.25	0.802	-.1015845	.131345
st_MN	.0184024	.0595725	0.31	0.757	-.0983575	.1351623

st_MO	.0088691	.060033	0.15	0.883	-.1087934	.1265316
st_MS	.008602	.060174	0.14	0.886	-.1093368	.1265408
st_MT	.0402607	.0709201	0.57	0.570	-.0987402	.1792616
st_NC	.0120981	.059119	0.20	0.838	-.103773	.1279692
st_ND	-.0719262	.086964	-0.83	0.408	-.2423725	.0985202
st_NE	.0099884	.0602055	0.17	0.868	-.1080122	.127989
st_NH	.0056921	.0640935	0.09	0.929	-.1199288	.131313
st_NJ	-.0002785	.0602894	-0.00	0.996	-.1184437	.1178866
st_NM	-.0172297	.0638797	-0.27	0.787	-.1424317	.1079722
st_NV	-.0139313	.0628319	-0.22	0.825	-.1370796	.1092171
st_NY	.00456	.0594993	0.08	0.939	-.1120565	.1211764
st_OH	.0195335	.0589373	0.33	0.740	-.0959816	.1350485
st_OK	-.0167391	.0640996	-0.26	0.794	-.142372	.1088937
st_OR	.0064936	.0613697	0.11	0.916	-.1137888	.1267761
st_PA	.0217513	.0591472	0.37	0.713	-.0941751	.1376776
st_PR	.0301765	.0602843	0.50	0.617	-.0879786	.1483316
st_RI	.0264538	.059417	0.45	0.656	-.0900014	.142909
st_SC	.0110511	.0599695	0.18	0.854	-.106487	.1285893
st_SD	-.0575345	.0843063	-0.68	0.495	-.2227717	.1077028
st_TN	-.0025415	.0604289	-0.04	0.966	-.1209799	.1158969
st_TX	.02531	.0589508	0.43	0.668	-.0902314	.1408513
st_UT	.0166746	.0594925	0.28	0.779	-.0999285	.1332777
st_VA	.0076558	.0616451	0.12	0.901	-.1131665	.128478
st_VT	.0312883	.0711489	0.44	0.660	-.108161	.1707376
st_WA	.0312983	.0589311	0.53	0.595	-.0842045	.146801
st_WI	-.0022454	.0609928	-0.04	0.971	-.1217891	.1172982
st_WV	.0170522	.0593112	0.29	0.774	-.0991956	.1333001
st_WY	-.0043607	.0608289	-0.07	0.943	-.1235831	.1148616
tsd_unemp_mean	-.0047215	.0037557	-1.26	0.209	-.0120826	.0026396
tsd_unemp_cng	-.0003603	.0021875	-0.16	0.869	-.0046478	.0039273
pia1	-.0000109	6.26e-06	-1.74	0.082	-.0000232	1.38e-06
pia_miss	-.0201168	.0063246	-3.18	0.001	-.0325128	-.0077208
ime1	6.66e-06	2.05e-06	3.24	0.001	2.63e-06	.0000107
ime_miss	-.0016568	.0032	-0.52	0.605	-.0079287	.0046152
_cons	.0713758	.0658614	1.08	0.278	-.0577102	.2004619

ldwroll136						
mototkt	-.0004354	.0003333	-1.31	0.192	-.0010887	.000218
male	.0054907	.001303	4.21	0.000	.0029369	.0080445
gendermiss_flag	-.0358682	.0940611	-0.38	0.703	-.2202247	.1484882
tsd_age	-.0014397	.0001601	-8.99	0.000	-.0017536	-.0011258
doage2	-.0003191	.0001426	-2.24	0.025	-.0005985	-.0000397
doage2miss_flag	-.1441941	.2103542	-0.69	0.493	-.5564808	.2680926
race_a	.0029765	.004219	0.71	0.480	-.0052925	.0112456
race_b	.015035	.0018313	8.21	0.000	.0114457	.0186244
race_h	.0062749	.0022935	2.74	0.006	.0017796	.0107701
race_i	.0045715	.0084449	0.54	0.588	-.0119801	.0211231
race_o	.0169272	.0062683	2.70	0.007	.0046415	.0292129
race_mis	.0047224	.0048947	0.96	0.335	-.004871	.0143158
tsd_edu_hs	.0084454	.0019428	4.35	0.000	.0046376	.0122532
tsd_edu_mrhs	.0217677	.0022285	9.77	0.000	.0173999	.0261356
tsd_edu_mis	.0134644	.0021659	6.22	0.000	.0092192	.0177095
tsd_mie_exp	.004005	.0040436	0.99	0.322	-.0039203	.0119303
tsd_mie_mis	-.0035747	.0022437	-1.59	0.111	-.0079723	.0008229
tsd_mie_psbl	-.0021326	.0017541	-1.22	0.224	-.0055706	.0013055
tsd_medicare	-.0134925	.0022848	-5.91	0.000	-.0179707	-.0090143
tsd_medicare_miss	-.0390434	.0079675	-4.90	0.000	-.0546595	-.0234274
tsd_depend_1	-.0027306	.0018481	-1.48	0.140	-.0063527	.0008916
tsd_depend_2	.001057	.0016342	0.65	0.518	-.002146	.00426
tsd_depend_miss	-.0099764	.0058268	-1.71	0.087	-.0213967	.0014439
tsd_vrpr	.0000815	.0036888	0.02	0.982	-.0071484	.0073115
tsd_vrpr_miss	-.0182	.0035034	-5.19	0.000	-.0250665	-.0113334
pdcgrou2	-.0145342	.0020889	-6.96	0.000	-.0186284	-.01044

pdcgrou3	.0052677	.0024368	2.16	0.031	.0004917	.0100438
pdcgrou4	-.0019378	.0018291	-1.06	0.289	-.0055228	.0016471
pdcgrou5	-.0131752	.0190401	-0.69	0.489	-.0504931	.0241428
cohort2000	-.0025601	.003128	-0.82	0.413	-.0086908	.0035706
cohort2001	-.002601	.0048036	-0.54	0.588	-.0120159	.0068138
cohort2002	-.0056787	.0068049	-0.83	0.404	-.0190161	.0076587
cohort2003	-.0025976	.0089601	-0.29	0.772	-.020159	.0149638
cohort2004	.0482532	.0149876	3.22	0.001	.0188779	.0776284
award_b4_tsd	-.0024118	.0078859	-0.31	0.760	-.017868	.0130443
diaward_tsd	-.0007609	.0001965	-3.87	0.000	-.0011459	-.0003758
epeb4twp_flag	-.2247148	.0714397	-3.15	0.002	-.364734	-.0846956
ldwb4twp_flag	.3528099	.0518767	6.80	0.000	.2511335	.4544863
ldwb4epe_flag	.3929625	.0180612	21.76	0.000	.3575632	.4283617
twpb4tsd	.2452447	.0024547	99.91	0.000	.2404336	.2500557
epeb4tsd	.0456769	.0034759	13.14	0.000	.0388643	.0524896
ldwb4tsd	-.1625119	.0045519	-35.70	0.000	-.1714335	-.1535903
st_AL	.0312668	.0707855	0.44	0.659	-.1074702	.1700039
st_AR	.0159889	.0741066	0.22	0.829	-.1292574	.1612353
st_AZ	.0273984	.0726984	0.38	0.706	-.1150877	.1698846
st_CA	.0623818	.0702445	0.89	0.375	-.0752948	.2000584
st_CO	.0431956	.0748999	0.58	0.564	-.1036055	.1899967
st_CT	.0639688	.0729866	0.88	0.381	-.0790823	.2070199
st_DC	.0267134	.0851108	0.31	0.754	-.1401007	.1935274
st_DE	.015378	.0804207	0.19	0.848	-.1422436	.1729997
st_FL	.0066356	.0718541	0.09	0.926	-.1341958	.1474669
st_GA	.0210213	.072963	0.29	0.773	-.1219836	.1640262
st_HI	.0393911	.0726003	0.54	0.587	-.1029028	.1816851
st_IA	-.0161188	.0754504	-0.21	0.831	-.1639989	.1317614
st_ID	.0329297	.0712822	0.46	0.644	-.1067809	.1726403
st_IL	.0307043	.0716481	0.43	0.668	-.1097235	.1711321
st_IN	.0255577	.0728068	0.35	0.726	-.117141	.1682563
st_KS	.0398435	.0743102	0.54	0.592	-.1058018	.1854888
st_KY	.048176	.0721582	0.67	0.504	-.0932515	.1896035
st_LA	.0343219	.0730955	0.47	0.639	-.1089426	.1775864
st_MA	.0250396	.0717652	0.35	0.727	-.1156177	.1656969
st_MD	.0438098	.0713461	0.61	0.539	-.096026	.1836456
st_ME	.0458553	.0711699	0.64	0.519	-.0936352	.1853457
st_MI	.0378719	.0708749	0.53	0.593	-.1010404	.1767842
st_MN	.0440797	.0710546	0.62	0.535	-.0951847	.1833441
st_MO	.0233135	.0716038	0.33	0.745	-.1170274	.1636545
st_MS	.0366535	.071772	0.51	0.610	-.104017	.1773241
st_MT	.037513	.0845894	0.44	0.657	-.1282791	.2033052
st_NC	.0313228	.0705137	0.44	0.657	-.1068815	.169527
st_ND	-.0741647	.1037256	-0.72	0.475	-.2774632	.1291338
st_NE	.0296459	.0718096	0.41	0.680	-.1110983	.1703901
st_NH	.0063993	.076447	0.08	0.933	-.143434	.1562326
st_NJ	.0328195	.0719097	0.46	0.648	-.1081209	.17376
st_NM	.0413479	.076192	0.54	0.587	-.1079857	.1906815
st_NV	.0144606	.0749423	0.19	0.847	-.1324236	.1613447
st_NY	.0326627	.0709673	0.46	0.645	-.1064306	.171756
st_OH	.0401545	.070297	0.57	0.568	-.097625	.1779341
st_OK	.0059476	.0764542	0.08	0.938	-.1438999	.1557951
st_OR	.0114264	.0731982	0.16	0.876	-.1320394	.1548923
st_PA	.0442489	.0705473	0.63	0.531	-.0940212	.1825191
st_PR	.0492027	.0719036	0.68	0.494	-.0917259	.1901312
st_RI	.0511393	.0708691	0.72	0.471	-.0877616	.1900403
st_SC	.0224457	.0715282	0.31	0.754	-.1177469	.1626384
st_SD	-.0674027	.1005556	-0.67	0.503	-.2644881	.1296827
st_TN	.0122788	.072076	0.17	0.865	-.1289877	.1535452
st_TX	.048861	.070313	0.69	0.487	-.08895	.1866719
st_UT	.0362452	.0709591	0.51	0.609	-.1028322	.1753225
st_VA	.0381142	.0735267	0.52	0.604	-.1059955	.1822239
st_VT	.0816912	.0848623	0.96	0.336	-.0846358	.2480182

st_WA	.0542328	.0702895	0.77	0.440	-.0835321	.1919978
st_WI	.0304844	.0727486	0.42	0.675	-.1121003	.1730691
st_WV	.0360837	.070743	0.51	0.610	-.1025699	.1747373
st_WY	.0143516	.0725531	0.20	0.843	-.1278499	.1565531
tsd_unemp_mean	-.0054613	.0044796	-1.22	0.223	-.0142412	.0033186
tsd_unemp_cng	-.0004592	.0026092	-0.18	0.860	-.0055731	.0046547
pial	-4.63e-06	7.46e-06	-0.62	0.536	-.0000193	.00001
pia_miss	-.016714	.0075436	-2.22	0.027	-.0314992	-.0019289
ime1	4.92e-06	2.45e-06	2.01	0.045	1.15e-07	9.72e-06
ime_miss	-.0124702	.0038168	-3.27	0.001	-.019951	-.0049894
_cons	.1207524	.0785557	1.54	0.124	-.0332139	.2747186

ldwroll48						
mototkt	-.0004559	.0003753	-1.21	0.224	-.0011915	.0002797
male	.0077821	.001467	5.30	0.000	.0049068	.0106573
gendermiss_flag	-.0488803	.1059009	-0.46	0.644	-.2564423	.1586816
tsd_age	-.0021978	.0001803	-12.19	0.000	-.0025511	-.0018444
doage2	-.0003254	.0001605	-2.03	0.043	-.00064	-.0000108
doage2miss_flag	-.1350019	.2368322	-0.57	0.569	-.5991844	.3291806
race_a	-.0010307	.00475	-0.22	0.828	-.0103406	.0082792
race_b	.0211965	.0020618	10.28	0.000	.0171554	.0252376
race_h	.0065545	.0025822	2.54	0.011	.0014934	.0116155
race_i	.0080247	.0095078	0.84	0.399	-.0106103	.0266597
race_o	.0215411	.0070573	3.05	0.002	.0077089	.0353732
race_mis	.00133	.0055108	0.24	0.809	-.0094709	.0121309
tsd_edu_hs	.0089127	.0021873	4.07	0.000	.0046256	.0131997
tsd_edu_mrhs	.0285132	.002509	11.36	0.000	.0235956	.0334308
tsd_edu_mis	.015899	.0024385	6.52	0.000	.0111196	.0206785
tsd_mie_exp	.0066847	.0045526	1.47	0.142	-.0022382	.0156075
tsd_mie_mis	-.0046404	.0025261	-1.84	0.066	-.0095915	.0003107
tsd_mie_psbl	-.0028409	.0019749	-1.44	0.150	-.0067117	.0010299
tsd_medicare	-.0155522	.0025724	-6.05	0.000	-.0205941	-.0105103
tsd_medicare_miss	-.0510922	.0089704	-5.70	0.000	-.0686739	-.0335105
tsd_depend_1	-.0022943	.0020807	-1.10	0.270	-.0063723	.0017838
tsd_depend_2	.0040677	.0018399	2.21	0.027	.0004616	.0076739
tsd_depend_miss	-.0142824	.0065602	-2.18	0.029	-.0271402	-.0014246
tsd_vrpr	-.0179186	.0041531	-4.31	0.000	-.0260587	-.0097786
tsd_vrpr_miss	-.0437275	.0039444	-11.09	0.000	-.0514584	-.0359967
pdcgrou2	-.021643	.0023518	-9.20	0.000	-.0262526	-.0170335
pdcgrou3	.0039579	.0027435	1.44	0.149	-.0014193	.0093351
pdcgrou4	-.0057673	.0020593	-2.80	0.005	-.0098036	-.0017311
pdcgrou5	-.0256125	.0214367	-1.19	0.232	-.0676277	.0164027
cohort2000	-.0047003	.0035217	-1.33	0.182	-.0116027	.0022021
cohort2001	-.0072777	.0054082	-1.35	0.178	-.0178776	.0033223
cohort2002	-.0127208	.0076615	-1.66	0.097	-.027737	.0022953
cohort2003	-.00886	.0100879	-0.88	0.380	-.0286319	.010912
cohort2004	.0540286	.0168742	3.20	0.001	.0209559	.0871014
award_b4_tsd	.000091	.0088786	0.01	0.992	-.0173107	.0174927
diaward_tsd	-.0009662	.0002212	-4.37	0.000	-.0013997	-.0005326
epeb4twp_flag	-.2311814	.080432	-2.87	0.004	-.3888252	-.0735375
ldwb4twp_flag	.3507968	.0584066	6.01	0.000	.2363221	.4652715
ldwb4epe_flag	.4729204	.0203346	23.26	0.000	.4330653	.5127755
twpb4tsd	.2550239	.0027636	92.28	0.000	.2496073	.2604406
epeb4tsd	.039243	.0039134	10.03	0.000	.0315728	.0469132
ldwb4tsd	-.1827721	.0051249	-35.66	0.000	-.1928167	-.1727275
st_AL	-.062707	.0796955	-0.79	0.431	-.2189073	.0934933
st_AR	-.066446	.0834347	-0.80	0.426	-.2299749	.0970829
st_AZ	-.043597	.0818491	-0.53	0.594	-.2040184	.1168243
st_CA	-.0231933	.0790863	-0.29	0.769	-.1781997	.1318131
st_CO	-.0496933	.0843278	-0.59	0.556	-.2149727	.1155861
st_CT	-.0091734	.0821737	-0.11	0.911	-.1702308	.151884
st_DC	-.0269601	.095824	-0.28	0.778	-.2147716	.1608514
st_DE	-.0933277	.0905435	-1.03	0.303	-.2707897	.0841343

st_FL	-.0762149	.0808986	-0.94	0.346	-.2347731	.0823434
st_GA	-.0674973	.0821471	-0.82	0.411	-.2285027	.0935081
st_HI	-.0472147	.0817387	-0.58	0.564	-.2074196	.1129902
st_IA	-.0940509	.0849476	-1.11	0.268	-.2605452	.0724434
st_ID	-.0540185	.0802547	-0.67	0.501	-.2113149	.1032779
st_IL	-.0455313	.0806667	-0.56	0.572	-.2036351	.1125726
st_IN	-.080945	.0819712	-0.99	0.323	-.2416056	.0797156
st_KS	-.0532411	.0836639	-0.64	0.525	-.2172193	.110737
st_KY	-.0478498	.081241	-0.59	0.556	-.2070792	.1113796
st_LA	-.0627771	.0822962	-0.76	0.446	-.2240747	.0985205
st_MA	-.0487645	.0807986	-0.60	0.546	-.2071267	.1095978
st_MD	-.0458077	.0803267	-0.57	0.568	-.2032451	.1116296
st_ME	-.0499609	.0801283	-0.62	0.533	-.2070095	.1070876
st_MI	-.0511847	.0797962	-0.64	0.521	-.2075823	.105213
st_MN	-.0461638	.0799984	-0.58	0.564	-.2029579	.1106302
st_MO	-.0550313	.0806168	-0.68	0.495	-.2130375	.1029748
st_MS	-.0520855	.0808062	-0.64	0.519	-.2104626	.1062917
st_MT	-.0719789	.0952369	-0.76	0.450	-.2586399	.114682
st_NC	-.0648814	.0793894	-0.82	0.414	-.2204818	.0907191
st_ND	-.1828316	.1167819	-1.57	0.117	-.4117199	.0460567
st_NE	-.0602262	.0808485	-0.74	0.456	-.2186863	.0982339
st_NH	-.0709747	.0860696	-0.82	0.410	-.239668	.0977186
st_NJ	-.0597374	.0809612	-0.74	0.461	-.2184185	.0989437
st_NM	-.0467709	.0857825	-0.55	0.586	-.2149016	.1213598
st_NV	-.079095	.0843755	-0.94	0.349	-.2444679	.086278
st_NY	-.047955	.0799002	-0.60	0.548	-.2045564	.1086465
st_OH	-.0518612	.0791455	-0.66	0.512	-.2069835	.1032611
st_OK	-.0812578	.0860777	-0.94	0.345	-.2499671	.0874515
st_OR	-.0544954	.0824119	-0.66	0.508	-.2160197	.107029
st_PA	-.0448892	.0794273	-0.57	0.572	-.2005639	.1107854
st_PR	-.0484597	.0809544	-0.60	0.549	-.2071273	.1102079
st_RI	-.0384901	.0797897	-0.48	0.630	-.194875	.1178948
st_SC	-.0705939	.0805316	-0.88	0.381	-.228433	.0872453
st_SD	-.1831664	.1132128	-1.62	0.106	-.4050595	.0387268
st_TN	-.0881562	.0811485	-1.09	0.277	-.2472043	.0708919
st_TX	-.0404097	.0791635	-0.51	0.610	-.1955674	.114748
st_UT	-.0504952	.079891	-0.63	0.527	-.2070787	.1060882
st_VA	-.0566267	.0827818	-0.68	0.494	-.2188759	.1056226
st_VT	.0224792	.0955442	0.24	0.814	-.1647839	.2097423
st_WA	-.0335857	.0791371	-0.42	0.671	-.1886915	.1215202
st_WI	-.0691165	.0819057	-0.84	0.399	-.2296488	.0914158
st_WV	-.0564783	.0796476	-0.71	0.478	-.2125847	.0996281
st_WY	-.059007	.0816856	-0.72	0.470	-.2191079	.1010938
tsd_unemp_mean	-.005672	.0050435	-1.12	0.261	-.0155571	.004213
tsd_unemp_cng	-.0003964	.0029376	-0.13	0.893	-.006154	.0053612
pial	-4.25e-06	8.40e-06	-0.51	0.613	-.0000207	.0000122
pia_miss	-.0189821	.0084931	-2.23	0.025	-.0356283	-.0023358
ime1	5.12e-06	2.76e-06	1.86	0.063	-2.84e-07	.0000105
ime_miss	-.0167953	.0042972	-3.91	0.000	-.0252177	-.0083729
_cons	.2878194	.0884437	3.25	0.001	.1144729	.4611659

Endogenous variables: ldwroll12 ldwroll24 ldwroll36 ldwroll48 mototkt
Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
epb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epb4tsd ldwb4tsd
st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA

st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30

(1) 12*[ldwroll12]mototkt + 12*[ldwroll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0049222	.0052717	-0.93	0.350	-.0152546	.0054101

(1) 12*[ldwroll12]mototkt + 12*[ldwroll24]mototkt + 12*[ldwroll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0101468	.0086884	-1.17	0.243	-.0271758	.0068822

(1) 12*[ldwroll12]mototkt + 12*[ldwroll24]mototkt + 12*[ldwroll36]mototkt +
12*[ldwroll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0156173	.0125523	-1.24	0.213	-.0402194	.0089847

phase 3 dependent variable: eperoll, unemployment: unemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
eperoll12	1.1e+05	99	.1478136	0.1244	16246.47	0.0000
eperoll24	1.1e+05	99	.203804	0.1288	16903.54	0.0000
eperoll36	1.1e+05	99	.2377285	0.1279	16777.32	0.0000
eperoll48	1.1e+05	99	.2574435	0.1235	16114.39	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
eperoll12						
mototkt	.000127	.0002343	0.54	0.588	-.0003323	.0005863
male	.0017333	.000916	1.89	0.058	-.0000619	.0035285
gendermiss_flag	-.0115967	.0661221	-0.18	0.861	-.1411935	.1180002
tsd_age	-.0002012	.0001126	-1.79	0.074	-.0004218	.0000195
doage2	-.0003447	.0001002	-3.44	0.001	-.0005411	-.0001482
doage2miss_flag	-.088109	.1478725	-0.60	0.551	-.3779338	.2017158
race_a	.0000489	.0029658	0.02	0.987	-.0057639	.0058618
race_b	.0033457	.0012874	2.60	0.009	.0008225	.0058689
race_h	.0011324	.0016123	0.70	0.482	-.0020276	.0042924
race_i	-.0069142	.0059365	-1.16	0.244	-.0185495	.0047211
race_o	.0106018	.0044064	2.41	0.016	.0019653	.0192382
race_mis	-5.95e-06	.0034408	-0.00	0.999	-.0067498	.0067379
tsd_edu_hs	.0028888	.0013657	2.12	0.034	.0002121	.0055656
tsd_edu_mrhs	.0074116	.0015666	4.73	0.000	.0043412	.0104821
tsd_edu_mis	.0054621	.0015226	3.59	0.000	.0024779	.0084463
tsd_mie_exp	.0026819	.0028425	0.94	0.345	-.0028894	.0082531
tsd_mie_mis	-.0055965	.0015773	-3.55	0.000	-.0086879	-.0025051

tsd_mie_psbl	-.0049205	.0012331	-3.99	0.000	-.0073374	-.0025037
tsd_medicare	-.0100449	.0016062	-6.25	0.000	-.0131929	-.0068969
tsd_medicare_miss	-.0187672	.0056009	-3.35	0.001	-.0297448	-.0077896
tsd_depend_1	-.0027312	.0012991	-2.10	0.036	-.0052775	-.000185
tsd_depend_2	-.0013896	.0011488	-1.21	0.226	-.0036412	.000862
tsd_depend_miss	-.0063229	.0040961	-1.54	0.123	-.014351	.0017052
tsd_vrpr	.0111646	.0025931	4.31	0.000	.0060822	.0162471
tsd_vrpr_miss	.0005762	.0024628	0.23	0.815	-.0042507	.0054032
pdcgrou2	.0007289	.0014684	0.50	0.620	-.0021492	.003607
pdcgrou3	.0044291	.001713	2.59	0.010	.0010717	.0077865
pdcgrou4	.003098	.0012858	2.41	0.016	.0005778	.0056181
pdcgrou5	-.01155	.0133846	-0.86	0.388	-.0377834	.0146833
cohort2000	-.0035233	.0021989	-1.60	0.109	-.007833	.0007864
cohort2001	-.0029459	.0033768	-0.87	0.383	-.0095642	.0036724
cohort2002	-.00397	.0047836	-0.83	0.407	-.0133457	.0054058
cohort2003	.0007738	.0062987	0.12	0.902	-.0115714	.0131189
cohort2004	.0274591	.0105358	2.61	0.009	.0068093	.048109
award_b4_tsd	-.0094338	.0055436	-1.70	0.089	-.020299	.0014314
diaward_tsd	-.0004414	.0001381	-3.20	0.001	-.0007121	-.0001708
epeb4twp_flag	.0579974	.0502199	1.15	0.248	-.0404318	.1564266
ldwb4twp_flag	-.0049971	.0364677	-0.14	0.891	-.0764725	.0664783
ldwb4epe_flag	.0965017	.0126964	7.60	0.000	.0716172	.1213863
twpb4tsd	.2068252	.0017255	119.86	0.000	.2034431	.2102072
epeb4tsd	-.0877044	.0024435	-35.89	0.000	-.0924935	-.0829154
ldwb4tsd	-.0465649	.0031999	-14.55	0.000	-.0528366	-.0402933
st_AL	.0152852	.04976	0.31	0.759	-.0822427	.112813
st_AR	.0099966	.0520947	0.19	0.848	-.0921071	.1121003
st_AZ	.0149532	.0511047	0.29	0.770	-.0852101	.1151166
st_CA	.0214516	.0493797	0.43	0.664	-.0753308	.118234
st_CO	.012177	.0526523	0.23	0.817	-.0910197	.1153736
st_CT	.0421992	.0513073	0.82	0.411	-.0583614	.1427597
st_DC	.0438032	.0598303	0.73	0.464	-.0734619	.1610684
st_DE	-.0011925	.0565333	-0.02	0.983	-.1119957	.1096106
st_FL	.0093939	.0505112	0.19	0.852	-.0896062	.108394
st_GA	.0059244	.0512908	0.12	0.908	-.0946036	.1064525
st_HI	.0129126	.0510358	0.25	0.800	-.0871156	.1129409
st_IA	-.0175005	.0530393	-0.33	0.741	-.1214557	.0864547
st_ID	.017593	.0501092	0.35	0.726	-.0806192	.1158052
st_IL	.0053558	.0503664	0.11	0.915	-.0933605	.1040722
st_IN	-.005072	.0511809	-0.10	0.921	-.1053848	.0952407
st_KS	.0101266	.0522378	0.19	0.846	-.0922575	.1125108
st_KY	.0008921	.050725	0.02	0.986	-.0985271	.1003113
st_LA	.0069666	.0513838	0.14	0.892	-.0937439	.1076771
st_MA	-.0036186	.0504487	-0.07	0.943	-.1024964	.0952591
st_MD	.0254676	.0501541	0.51	0.612	-.0728326	.1237678
st_ME	.0233506	.0500302	0.47	0.641	-.0747069	.121408
st_MI	.0082922	.0498229	0.17	0.868	-.0893588	.1059433
st_MN	.0243849	.0499492	0.49	0.625	-.0735137	.1222835
st_MO	.0016297	.0503353	0.03	0.974	-.0970256	.1002851
st_MS	.0003911	.0504535	0.01	0.994	-.0984959	.0992781
st_MT	.0137804	.0594637	0.23	0.817	-.1027664	.1303271
st_NC	.0136748	.0495689	0.28	0.783	-.0834785	.1108281
st_ND	-.0387386	.0729159	-0.53	0.595	-.1816512	.1041739
st_NE	.0138897	.0504799	0.28	0.783	-.0850491	.1128286
st_NH	.0272257	.0537399	0.51	0.612	-.0781025	.1325539
st_NJ	.0236515	.0505503	0.47	0.640	-.0754253	.1227283
st_NM	-.002605	.0535606	-0.05	0.961	-.1075818	.1023719
st_NV	.0182578	.0526821	0.35	0.729	-.0849973	.1215128
st_NY	.0015041	.0498878	0.03	0.976	-.0962742	.0992824
st_OH	.0179724	.0494166	0.36	0.716	-.0788824	.1148271
st_OK	.0141033	.0537449	0.26	0.793	-.0912349	.1194414
st_OR	-.0153261	.0514561	-0.30	0.766	-.1161781	.085526
st_PA	.0198966	.0495926	0.40	0.688	-.077303	.1170963

st_PR	.0120273	.050546	0.24	0.812	-.0870411	.1110957
st_RI	.0296555	.0498188	0.60	0.552	-.0679875	.1272986
st_SC	.0052485	.0502821	0.10	0.917	-.0933026	.1037996
st_SD	-.0189368	.0706875	-0.27	0.789	-.1574817	.1196081
st_TN	.0018241	.0506672	0.04	0.971	-.0974819	.10113
st_TX	.0183819	.0494279	0.37	0.710	-.0784949	.1152588
st_UT	.0201399	.0498821	0.40	0.686	-.0776271	.117907
st_VA	.0032947	.051687	0.06	0.949	-.09801	.1045994
st_VT	.002037	.0596556	0.03	0.973	-.1148857	.1189598
st_WA	.0220733	.0494114	0.45	0.655	-.0747712	.1189178
st_WI	.0105775	.05114	0.21	0.836	-.0896552	.1108101
st_WV	.0118434	.0497301	0.24	0.812	-.0856258	.1093127
st_WY	.0269525	.0510026	0.53	0.597	-.0730107	.1269157
tsd_unemp_mean	-.0003997	.003149	-0.13	0.899	-.0065717	.0057723
tsd_unemp_cng	.0013318	.0018342	0.73	0.468	-.0022632	.0049267
pial	-.0000133	5.25e-06	-2.54	0.011	-.0000236	-3.05e-06
pia_miss	-.0156769	.0053029	-2.96	0.003	-.0260704	-.0052834
ime1	4.47e-06	1.72e-06	2.59	0.010	1.09e-06	7.84e-06
ime_miss	-.0021609	.0026831	-0.81	0.421	-.0074197	.0030979
_cons	.0367467	.0552222	0.67	0.506	-.0714868	.1449803

eperoll24						
mototkt	-.000211	.0003231	-0.65	0.514	-.0008443	.0004222
male	.001923	.0012629	1.52	0.128	-.0005523	.0043982
gendermiss_flag	-.0293875	.0911685	-0.32	0.747	-.2080745	.1492995
tsd_age	-.0010345	.0001552	-6.66	0.000	-.0013387	-.0007303
doage2	-.0003615	.0001382	-2.62	0.009	-.0006323	-.0000907
doage2miss_flag	-.0952727	.2038853	-0.47	0.640	-.4948805	.3043352
race_a	.004572	.0040892	1.12	0.264	-.0034428	.0125867
race_b	.0108567	.001775	6.12	0.000	.0073778	.0143357
race_h	.0011476	.002223	0.52	0.606	-.0032093	.0055046
race_i	-.008846	.0081851	-1.08	0.280	-.0248886	.0071966
race_o	.0102532	.0060756	1.69	0.091	-.0016547	.0221611
race_mis	-.0005251	.0047441	-0.11	0.912	-.0098234	.0087732
tsd_edu_hs	.0032176	.001883	1.71	0.088	-.0004731	.0069083
tsd_edu_mrhs	.0154177	.00216	7.14	0.000	.0111842	.0196512
tsd_edu_mis	.0101588	.0020993	4.84	0.000	.0060442	.0142734
tsd_mie_exp	.0016914	.0039192	0.43	0.666	-.0059902	.0093729
tsd_mie_mis	-.0094004	.0021747	-4.32	0.000	-.0136628	-.0051381
tsd_mie_psbl	-.0072797	.0017002	-4.28	0.000	-.010612	-.0039474
tsd_medicare	-.0151653	.0022146	-6.85	0.000	-.0195058	-.0108249
tsd_medicare_miss	-.043903	.0077225	-5.69	0.000	-.0590388	-.0287672
tsd_depend_1	-.0036586	.0017912	-2.04	0.041	-.0071693	-.0001478
tsd_depend_2	-.002792	.0015839	-1.76	0.078	-.0058965	.0003125
tsd_depend_miss	-.0211293	.0056476	-3.74	0.000	-.0321984	-.0100602
tsd_vrpr	.0031848	.0035754	0.89	0.373	-.0038228	.0101924
tsd_vrpr_miss	-.0253237	.0033957	-7.46	0.000	-.031979	-.0186683
pdcgrou2	-.0054254	.0020247	-2.68	0.007	-.0093937	-.0014572
pdcgrou3	.0032737	.0023619	1.39	0.166	-.0013555	.0079028
pdcgrou4	-.000073	.0017729	-0.04	0.967	-.0035478	.0034017
pdcgrou5	-.0026176	.0184546	-0.14	0.887	-.0387879	.0335527
cohort2000	-.0092384	.0030318	-3.05	0.002	-.0151805	-.0032962
cohort2001	-.0140819	.0046559	-3.02	0.002	-.0232073	-.0049566
cohort2002	-.0172085	.0065956	-2.61	0.009	-.0301357	-.0042813
cohort2003	-.0109105	.0086845	-1.26	0.209	-.0279318	.0061109
cohort2004	.0484403	.0145267	3.33	0.001	.0199685	.0769122
award_b4_tsd	-.012906	.0076434	-1.69	0.091	-.0278869	.0020748
diaward_tsd	-.0009777	.0001904	-5.13	0.000	-.0013509	-.0006045
epeb4twp_flag	.0766429	.0692427	1.11	0.268	-.0590703	.2123562
ldwb4twp_flag	-.0113644	.0502813	-0.23	0.821	-.1099141	.0871852
ldwb4epe_flag	.2541678	.0175057	14.52	0.000	.2198572	.2884785
twpb4tsd	.2731412	.0023792	114.81	0.000	.2684781	.2778043
epeb4tsd	-.1316824	.003369	-39.09	0.000	-.1382856	-.1250792

ldwb4tsd	-.0757398	.0044119	-17.17	0.000	-.0843871	-.0670926
st_AL	.0451203	.0686087	0.66	0.511	-.0893502	.1795909
st_AR	.042467	.0718277	0.59	0.554	-.0983126	.1832466
st_AZ	.0331399	.0704627	0.47	0.638	-.1049645	.1712442
st_CA	.0569811	.0680843	0.84	0.403	-.0764616	.1904237
st_CO	.0427726	.0725965	0.59	0.556	-.099514	.1850592
st_CT	.0876031	.0707421	1.24	0.216	-.0510489	.226255
st_DC	.0485518	.0824934	0.59	0.556	-.1131323	.210236
st_DE	.0030426	.0779476	0.04	0.969	-.1497318	.155817
st_FL	.0242204	.0696444	0.35	0.728	-.11228	.1607209
st_GA	.0535026	.0707192	0.76	0.449	-.0851046	.1921097
st_HI	.0556284	.0703676	0.79	0.429	-.0822896	.1935465
st_IA	.0294414	.0731301	0.40	0.687	-.1138911	.1727738
st_ID	.0525272	.0690901	0.76	0.447	-.0828869	.1879414
st_IL	.0257466	.0694448	0.37	0.711	-.1103626	.1618559
st_IN	.0344241	.0705678	0.49	0.626	-.1038862	.1727344
st_KS	.0433217	.072025	0.60	0.548	-.0978447	.184488
st_KY	.0234322	.0699392	0.34	0.738	-.1136461	.1605104
st_LA	.0323463	.0708476	0.46	0.648	-.1065124	.171205
st_MA	.0212658	.0695583	0.31	0.760	-.1150659	.1575976
st_MD	.0622419	.069152	0.90	0.368	-.0732936	.1977773
st_ME	.0636223	.0689812	0.92	0.356	-.0715784	.1988231
st_MI	.0311874	.0686953	0.45	0.650	-.103453	.1658278
st_MN	.0699754	.0688695	1.02	0.310	-.0650063	.204957
st_MO	.0240348	.0694018	0.35	0.729	-.1119904	.1600599
st_MS	.0157404	.0695648	0.23	0.821	-.1206042	.1520849
st_MT	.0120037	.0819881	0.15	0.884	-.1486899	.1726973
st_NC	.04128	.0683452	0.60	0.546	-.0926741	.1752341
st_ND	-.0416684	.1005358	-0.41	0.679	-.2387149	.1553782
st_NE	.0491897	.0696013	0.71	0.480	-.0872262	.1856057
st_NH	.0297935	.074096	0.40	0.688	-.1154321	.175019
st_NJ	.0413966	.0696983	0.59	0.553	-.0952096	.1780028
st_NM	.0750269	.0738489	1.02	0.310	-.0697143	.2197681
st_NV	.0276697	.0726376	0.38	0.703	-.1146974	.1700368
st_NY	.0315101	.0687849	0.46	0.647	-.1033057	.1663259
st_OH	.0507667	.0681352	0.75	0.456	-.0827758	.1843091
st_OK	.0395867	.074103	0.53	0.593	-.1056526	.184826
st_OR	.0065772	.0709472	0.09	0.926	-.1324768	.1456311
st_PA	.0537031	.0683778	0.79	0.432	-.0803149	.1877211
st_PR	.0323372	.0696924	0.46	0.643	-.1042573	.1689318
st_RI	.076997	.0686897	1.12	0.262	-.0576324	.2116264
st_SC	.0224889	.0693285	0.32	0.746	-.1133925	.1583702
st_SD	-.0287115	.0974633	-0.29	0.768	-.219736	.162313
st_TN	.033115	.0698595	0.47	0.635	-.1038072	.1700371
st_TX	.0510733	.0681507	0.75	0.454	-.0824996	.1846462
st_UT	.0521324	.068777	0.76	0.448	-.0826679	.1869328
st_VA	.0241543	.0712656	0.34	0.735	-.1155237	.1638323
st_VT	.0127943	.0822525	0.16	0.876	-.1484177	.1740063
st_WA	.0588329	.0681279	0.86	0.388	-.0746954	.1923613
st_WI	.0635391	.0705114	0.90	0.368	-.0746608	.2017389
st_WV	.048671	.0685674	0.71	0.478	-.0857186	.1830607
st_WY	.0580467	.0703219	0.83	0.409	-.0797817	.1958752
tsd_unemp_mean	.0001158	.0043419	0.03	0.979	-.0083941	.0086257
tsd_unemp_cng	.0014259	.0025289	0.56	0.573	-.0035308	.0063825
pial	-4.01e-06	7.23e-06	-0.55	0.579	-.0000182	.0000102
pia_miss	-.002946	.0073116	-0.40	0.687	-.0172765	.0113845
ime1	3.50e-06	2.38e-06	1.47	0.141	-1.16e-06	8.15e-06
ime_miss	-.0147449	.0036994	-3.99	0.000	-.0219956	-.0074941
_cons	.1012177	.0761399	1.33	0.184	-.0480137	.2504491

eperoll36						
mototkt	-.0005462	.0003769	-1.45	0.147	-.0012849	.0001925
male	.0025691	.0014731	1.74	0.081	-.0003181	.0054564

gendermiss_flag	-.0451325	.1063441	-0.42	0.671	-.2535632	.1632981
tsd_age	-.0019346	.000181	-10.69	0.000	-.0022895	-.0015798
doage2	-.000353	.0001612	-2.19	0.029	-.0006689	-.0000371
doage2miss_flag	-.088013	.2378233	-0.37	0.711	-.5541382	.3781122
race_a	.0030155	.0047699	0.63	0.527	-.0063334	.0123643
race_b	.015867	.0020705	7.66	0.000	.011809	.019925
race_h	-.0002099	.002593	-0.08	0.935	-.0052921	.0048723
race_i	.0040066	.0095476	0.42	0.675	-.0147064	.0227196
race_o	.0068945	.0070869	0.97	0.331	-.0069955	.0207845
race_mis	-.0031986	.0055338	-0.58	0.563	-.0140447	.0076475
tsd_edu_hs	.0065559	.0021965	2.98	0.003	.0022508	.0108609
tsd_edu_mrhs	.0222357	.0025195	8.83	0.000	.0172975	.0271739
tsd_edu_mis	.0132876	.0024488	5.43	0.000	.0084881	.0180871
tsd_mie_exp	.0033808	.0045716	0.74	0.460	-.0055794	.012341
tsd_mie_mis	-.0091779	.0025367	-3.62	0.000	-.0141497	-.004206
tsd_mie_psbl	-.0080185	.0019832	-4.04	0.000	-.0119055	-.0041315
tsd_medicare	-.02068	.0025832	-8.01	0.000	-.025743	-.015617
tsd_medicare_miss	-.0571263	.009008	-6.34	0.000	-.0747815	-.039471
tsd_depend_1	-.0038414	.0020894	-1.84	0.066	-.0079365	.0002537
tsd_depend_2	-.0019985	.0018476	-1.08	0.279	-.0056197	.0016228
tsd_depend_miss	-.0272982	.0065877	-4.14	0.000	-.0402099	-.0143866
tsd_vrpr	-.0173236	.0041705	-4.15	0.000	-.0254977	-.0091496
tsd_vrpr_miss	-.0597024	.0039609	-15.07	0.000	-.0674656	-.0519392
pdcgrou2	-.0126249	.0023617	-5.35	0.000	-.0172537	-.007996
pdcgrou3	.0006279	.002755	0.23	0.820	-.0047719	.0060276
pdcgrou4	-.0050918	.002068	-2.46	0.014	-.009145	-.0010387
pdcgrou5	-.0106926	.0215265	-0.50	0.619	-.0528837	.0314984
cohort2000	-.0155101	.0035364	-4.39	0.000	-.0224414	-.0085788
cohort2001	-.0215748	.0054309	-3.97	0.000	-.0322191	-.0109305
cohort2002	-.0276636	.0076935	-3.60	0.000	-.0427426	-.0125846
cohort2003	-.0225085	.0101301	-2.22	0.026	-.0423632	-.0026539
cohort2004	.0670818	.0169448	3.96	0.000	.0338707	.100293
award_b4_tsd	-.0055319	.0089157	-0.62	0.535	-.0230064	.0119426
diaward_tsd	-.0012134	.0002221	-5.46	0.000	-.0016488	-.0007781
epeb4twp_flag	.0892899	.0807686	1.11	0.269	-.0690137	.2475936
ldwb4twp_flag	-.0206402	.058651	-0.35	0.725	-.135594	.0943136
ldwb4epe_flag	.3733831	.0204197	18.29	0.000	.3333613	.413405
twpb4tsd	.29888	.0027752	107.70	0.000	.2934407	.3043193
epeb4tsd	-.1638912	.0039298	-41.70	0.000	-.1715935	-.1561889
ldwb4tsd	-.0918638	.0051463	-17.85	0.000	-.1019504	-.0817771
st_AL	.0639997	.080029	0.80	0.424	-.0928543	.2208538
st_AR	.0923358	.0837838	1.10	0.270	-.0718554	.2565713
st_AZ	.050888	.0821917	0.62	0.536	-.1102047	.2119808
st_CA	.0896029	.0794173	1.13	0.259	-.0660522	.245258
st_CO	.0990826	.0846807	1.17	0.242	-.0668885	.2650537
st_CT	.1149118	.0825176	1.39	0.164	-.0468196	.2766433
st_DC	.0608221	.096225	0.63	0.527	-.1277754	.2494196
st_DE	-.0057934	.0909224	-0.06	0.949	-.1839981	.1724113
st_FL	.039694	.0812371	0.49	0.625	-.1195279	.1989158
st_GA	.058263	.0824909	0.71	0.480	-.1034162	.2199423
st_HI	.0734331	.0820808	0.89	0.371	-.0874423	.2343085
st_IA	.0965256	.0853031	1.13	0.258	-.0706655	.2637167
st_ID	.0735625	.0805906	0.91	0.361	-.0843922	.2315172
st_IL	.085657	.0810043	1.06	0.290	-.0731085	.2444226
st_IN	.0469096	.0823142	0.57	0.569	-.1144233	.2082426
st_KS	.0959126	.084014	1.14	0.254	-.0687518	.260577
st_KY	.0512043	.081581	0.63	0.530	-.1086916	.2111001
st_LA	.0843665	.0826406	1.02	0.307	-.0776061	.2463392
st_MA	.0700803	.0811367	0.86	0.388	-.0889447	.2291053
st_MD	.0829634	.0806628	1.03	0.304	-.0751329	.2410596
st_ME	.0892472	.0804636	1.11	0.267	-.0684586	.246953
st_MI	.0639415	.0801301	0.80	0.425	-.0931106	.2209937
st_MN	.0942318	.0803332	1.17	0.241	-.0632184	.2516821

st_MO	.0578791	.0809542	0.71	0.475	-.1007882	.2165465
st_MS	.0476298	.0811443	0.59	0.557	-.1114102	.2066698
st_MT	.0007885	.0956355	0.01	0.993	-.1866536	.1882306
st_NC	.0647051	.0797217	0.81	0.417	-.0915465	.2209568
st_ND	-.050468	.1172706	-0.43	0.667	-.2803142	.1793783
st_NE	.0671284	.0811868	0.83	0.408	-.0919948	.2262517
st_NH	.0833389	.0864298	0.96	0.335	-.0860603	.2527382
st_NJ	.0744074	.0813	0.92	0.360	-.0849377	.2337526
st_NM	.1138312	.0861415	1.32	0.186	-.0550031	.2826655
st_NV	.0272689	.0847286	0.32	0.748	-.1387961	.1933339
st_NY	.0707814	.0802345	0.88	0.378	-.0864754	.2280382
st_OH	.0752665	.0794767	0.95	0.344	-.080505	.231038
st_OK	.0577546	.086438	0.67	0.504	-.1116608	.2271699
st_OR	.0641798	.0827568	0.78	0.438	-.0980205	.2263802
st_PA	.0779298	.0797597	0.98	0.329	-.0783964	.2342559
st_PR	.0713773	.0812932	0.88	0.380	-.0879543	.230709
st_RI	.1049162	.0801236	1.31	0.190	-.0521232	.2619556
st_SC	.0484135	.0808687	0.60	0.549	-.1100862	.2069132
st_SD	-.0487676	.1136867	-0.43	0.668	-.2715893	.1740541
st_TN	.0402873	.0814881	0.49	0.621	-.1194265	.200001
st_TX	.0765307	.0794948	0.96	0.336	-.0792763	.2323377
st_UT	.0748779	.0802253	0.93	0.351	-.0823608	.2321167
st_VA	.0460957	.0831282	0.55	0.579	-.1168326	.209024
st_VT	.053266	.095944	0.56	0.579	-.1347808	.2413128
st_WA	.0893577	.0794683	1.12	0.261	-.0663972	.2451127
st_WI	.0929626	.0822485	1.13	0.258	-.0682416	.2541667
st_WV	.0700978	.0799809	0.88	0.381	-.086662	.2268575
st_WY	.0666621	.0820275	0.81	0.416	-.0941088	.2274329
tsd_unemp_mean	-.004148	.0050646	-0.82	0.413	-.0140744	.0057785
tsd_unemp_cng	.0010964	.0029499	0.37	0.710	-.0046853	.0068781
pia1	3.33e-06	8.44e-06	0.39	0.693	-.0000132	.0000199
pia_miss	.0046946	.0085287	0.55	0.582	-.0120213	.0214105
ime1	1.43e-06	2.77e-06	0.52	0.606	-4.00e-06	6.86e-06
ime_miss	-.028443	.0043152	-6.59	0.000	-.0369006	-.0199853
_cons	.2001423	.0888139	2.25	0.024	.0260703	.3742142

eperoll48						
mototkt	-.0005777	.0004081	-1.42	0.157	-.0013776	.0002222
male	.0024685	.0015953	1.55	0.122	-.0006582	.0055953
gendermiss_flag	-.0560243	.1151633	-0.49	0.627	-.2817401	.1696916
tsd_age	-.0024411	.0001961	-12.45	0.000	-.0028254	-.0020568
doage2	-.0003161	.0001745	-1.81	0.070	-.0006582	.000026
doage2miss_flag	-.0699444	.2575461	-0.27	0.786	-.5747255	.4348368
race_a	.000707	.0051655	0.14	0.891	-.0094172	.0108311
race_b	.0165534	.0022422	7.38	0.000	.0121588	.020948
race_h	-.0004851	.0028081	-0.17	0.863	-.0059887	.0050186
race_i	.0059776	.0103394	0.58	0.563	-.0142872	.0262425
race_o	.005833	.0076746	0.76	0.447	-.0092089	.0208749
race_mis	-.0082515	.0059928	-1.38	0.169	-.0199971	.0034941
tsd_edu_hs	.0072823	.0023786	3.06	0.002	.0026203	.0119443
tsd_edu_mrhs	.0274058	.0027285	10.04	0.000	.0220581	.0327536
tsd_edu_mis	.0142245	.0026518	5.36	0.000	.009027	.0194219
tsd_mie_exp	.0045486	.0049507	0.92	0.358	-.0051547	.0142518
tsd_mie_mis	-.0097843	.0027471	-3.56	0.000	-.0151685	-.0044001
tsd_mie_psbl	-.0069648	.0021477	-3.24	0.001	-.0111741	-.0027554
tsd_medicare	-.0224126	.0027974	-8.01	0.000	-.0278955	-.0169298
tsd_medicare_miss	-.0690628	.009755	-7.08	0.000	-.0881822	-.0499433
tsd_depend_1	-.0040141	.0022627	-1.77	0.076	-.0084488	.0004206
tsd_depend_2	-.0006523	.0020008	-0.33	0.744	-.0045739	.0032692
tsd_depend_miss	-.0259971	.007134	-3.64	0.000	-.0399794	-.0120147
tsd_vrpr	-.0330162	.0045164	-7.31	0.000	-.0418682	-.0241643
tsd_vrpr_miss	-.0848121	.0042894	-19.77	0.000	-.0932191	-.0764051
pdcgrou2	-.0163726	.0025575	-6.40	0.000	-.0213853	-.0113599

pdcgrou3	-.0022204	.0029835	-0.74	0.457	-.008068	.0036271
pdcgrou4	-.0080332	.0022395	-3.59	0.000	-.0124224	-.0036439
pdcgrou5	-.0208844	.0233116	-0.90	0.370	-.0665744	.0248056
cohort2000	-.0165746	.0038297	-4.33	0.000	-.0240807	-.0090685
cohort2001	-.0243221	.0058812	-4.14	0.000	-.0358491	-.0127951
cohort2002	-.0311803	.0083315	-3.74	0.000	-.0475099	-.0148508
cohort2003	-.0273848	.0109702	-2.50	0.013	-.0488861	-.0058836
cohort2004	.0650785	.01835	3.55	0.000	.0291131	.1010439
award_b4_tsd	.0033556	.0096551	0.35	0.728	-.0155681	.0222793
diaward_tsd	-.0013864	.0002405	-5.76	0.000	-.0018579	-.000915
epeb4twp_flag	.0927176	.0874668	1.06	0.289	-.0787142	.2641494
ldwb4twp_flag	-.0271443	.0635149	-0.43	0.669	-.1516314	.0973427
ldwb4epe_flag	.4730772	.0221131	21.39	0.000	.4297363	.5164181
twpb4tsd	.3010693	.0030053	100.18	0.000	.2951789	.3069596
epeb4tsd	-.1784896	.0042557	-41.94	0.000	-.1868307	-.1701486
ldwb4tsd	-.0998573	.0055731	-17.92	0.000	-.1107804	-.0889342
st_AL	-.0298174	.0866659	-0.34	0.731	-.1996794	.1400446
st_AR	-.0013531	.0907321	-0.01	0.988	-.1791847	.1764785
st_AZ	-.0360982	.0890079	-0.41	0.685	-.2105504	.138354
st_CA	.0002788	.0860034	0.00	0.997	-.1682848	.1688425
st_CO	-.0062969	.0917033	-0.07	0.945	-.1860321	.1734383
st_CT	.0380236	.0893608	0.43	0.670	-.1371203	.2131675
st_DC	.0089069	.104205	0.09	0.932	-.1953311	.2131449
st_DE	-.0828962	.0984627	-0.84	0.400	-.2758795	.1100871
st_FL	-.0361423	.0879742	-0.41	0.681	-.2085685	.1362839
st_GA	-.0215029	.0893319	-0.24	0.810	-.1965903	.1535844
st_HI	-.0144672	.0888878	-0.16	0.871	-.188684	.1597497
st_IA	.0069249	.0923774	0.07	0.940	-.1741314	.1879812
st_ID	-.0165788	.087274	-0.19	0.849	-.1876327	.1544752
st_IL	.0053542	.087722	0.06	0.951	-.1665779	.1772862
st_IN	-.0517175	.0891406	-0.58	0.562	-.2264299	.1229949
st_KS	.0278607	.0909813	0.31	0.759	-.1504594	.2061808
st_KY	-.0443287	.0883466	-0.50	0.616	-.2174847	.1288274
st_LA	-.0030637	.089494	-0.03	0.973	-.1784688	.1723414
st_MA	-.0128056	.0878654	-0.15	0.884	-.1850187	.1594074
st_MD	-.0103477	.0873522	-0.12	0.906	-.1815549	.1608595
st_ME	-.0011539	.0871365	-0.01	0.989	-.1719383	.1696305
st_MI	-.0185721	.0867754	-0.21	0.831	-.1886486	.1515045
st_MN	.0019479	.0869953	0.02	0.982	-.1685598	.1724555
st_MO	-.0263124	.0876678	-0.30	0.764	-.1981382	.1455133
st_MS	-.044626	.0878737	-0.51	0.612	-.2168552	.1276033
st_MT	-.1048666	.1035666	-1.01	0.311	-.3078534	.0981202
st_NC	-.0311391	.0863331	-0.36	0.718	-.2003488	.1380706
st_ND	-.1526001	.1269959	-1.20	0.230	-.4015075	.0963074
st_NE	-.0173358	.0879197	-0.20	0.844	-.1896552	.1549836
st_NH	.0248004	.0935975	0.26	0.791	-.1586473	.208248
st_NJ	-.0067647	.0880423	-0.08	0.939	-.1793244	.1657951
st_NM	.0457263	.0932853	0.49	0.624	-.1371096	.2285621
st_NV	-.0397702	.0917552	-0.43	0.665	-.2196071	.1400667
st_NY	-.0028932	.0868884	-0.03	0.973	-.1731914	.167405
st_OH	-.0182006	.0860678	-0.21	0.833	-.1868903	.1504891
st_OK	-.0282472	.0936063	-0.30	0.763	-.2117123	.1552178
st_OR	.0054863	.0896199	0.06	0.951	-.1701654	.181138
st_PA	-.0103647	.0863742	-0.12	0.904	-.179655	.1589257
st_PR	-.0324646	.0880348	-0.37	0.712	-.2050097	.1400805
st_RI	.0160904	.0867683	0.19	0.853	-.1539723	.1861531
st_SC	-.049299	.0875752	-0.56	0.573	-.2209432	.1223451
st_SD	-.1636556	.1231147	-1.33	0.184	-.4049561	.0776448
st_TN	-.0552221	.0882459	-0.63	0.531	-.2281809	.1177368
st_TX	-.0150367	.0860874	-0.17	0.861	-.1837649	.1536915
st_UT	-.0155044	.0868785	-0.18	0.858	-.185783	.1547743
st_VA	-.0300778	.0900221	-0.33	0.738	-.2065178	.1463622
st_VT	.0407415	.1039007	0.39	0.695	-.1629002	.2443831

st_WA	-.0038067	.0860586	-0.04	0.965	-.1724785	.1648651
st_WI	.0070294	.0890694	0.08	0.937	-.1675435	.1816022
st_WV	-.0206918	.0866138	-0.24	0.811	-.1904517	.1490681
st_WY	-.0069287	.08883	-0.08	0.938	-.1810324	.1671749
tsd_unemp_mean	-.0029311	.0054846	-0.53	0.593	-.0136808	.0078185
tsd_unemp_cng	.0012416	.0031945	0.39	0.698	-.0050196	.0075028
pial	.0000119	9.14e-06	1.30	0.194	-6.04e-06	.0000298
pia_miss	.0057388	.009236	0.62	0.534	-.0123634	.023841
ime1	-3.52e-07	3.00e-06	-0.12	0.907	-6.23e-06	5.53e-06
ime_miss	-.0334024	.0046731	-7.15	0.000	-.0425614	-.0242433
_cons	.3426233	.0961792	3.56	0.000	.1541155	.5311312

Endogenous variables: eperoll12 eperoll24 eperoll36 eperoll48 mototkt
Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4 tsd diaward_tsd
ebeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd ebeb4tsd ldwb4tsd
st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30

(1) 12*[eperoll12]mototkt + 12*[eperoll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0010087	.0061181	-0.16	0.869	-.013 .0109825

(1) 12*[eperoll12]mototkt + 12*[eperoll24]mototkt + 12*[eperoll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0075631	.0100148	-0.76	0.450	-.0271917 .0120655

(1) 12*[eperoll12]mototkt + 12*[eperoll24]mototkt + 12*[eperoll36]mototkt + 12*[eperoll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0144951	.0143376	-1.01	0.312	-.0425963 .0136062

phase 3 dependent variable: twproll, unemployment: unemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
twproll12	1.1e+05	99	.1791213	0.0185	2161.67	0.0000
twproll24	1.1e+05	99	.2332078	0.0329	3886.06	0.0000
twproll36	1.1e+05	99	.2614126	0.0426	5086.37	0.0000

twproll48 1.1e+05 99 .2765194 0.0481 5782.03 0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
twproll12					
mototkt	.0001596	.000284	0.56	0.574	-.0003969 .0007162
male	.0022316	.00111	2.01	0.044	.0000561 .0044071
gendermiss_flag	-.0290892	.0801271	-0.36	0.717	-.1861354 .127957
tsd_age	-.0014124	.0001364	-10.35	0.000	-.0016798 -.0011451
doage2	.0001791	.0001214	1.47	0.140	-.000059 .0004171
doage2miss_flag	.0316733	.1791927	0.18	0.860	-.319538 .3828847
race_a	-.0001176	.003594	-0.03	0.974	-.0071617 .0069265
race_b	.0068736	.00156	4.41	0.000	.003816 .0099313
race_h	.0005674	.0019538	0.29	0.771	-.0032619 .0043967
race_i	-.0055457	.0071938	-0.77	0.441	-.0196454 .008554
race_o	.0103018	.0053397	1.93	0.054	-.0001639 .0207675
race_mis	-.0061826	.0041696	-1.48	0.138	-.0143548 .0019896
tsd_edu_hs	.0025009	.001655	1.51	0.131	-.0007428 .0057446
tsd_edu_mrhs	.0111244	.0018984	5.86	0.000	.0074036 .0148452
tsd_edu_mis	.0037715	.0018451	2.04	0.041	.0001552 .0073877
tsd_mie_exp	.0175137	.0034446	5.08	0.000	.0107624 .0242649
tsd_mie_mis	-.0010497	.0019113	-0.55	0.583	-.0047959 .0026964
tsd_mie_psbl	.0045661	.0014943	3.06	0.002	.0016374 .0074948
tsd_medicare	-.0127606	.0019464	-6.56	0.000	-.0165754 -.0089458
tsd_medicare_miss	-.0236591	.0067872	-3.49	0.000	-.0369618 -.0103564
tsd_depend_1	-.0022737	.0015743	-1.44	0.149	-.0053592 .0008119
tsd_depend_2	-.0003316	.0013921	-0.24	0.812	-.0030601 .0023969
tsd_depend_miss	-.017873	.0049636	-3.60	0.000	-.0276015 -.0081444
tsd_vrpr	-.0187439	.0031424	-5.96	0.000	-.0249028 -.0125849
tsd_vrpr_miss	-.0442965	.0029844	-14.84	0.000	-.0501458 -.0384472
pdcgroup2	-.0111423	.0017795	-6.26	0.000	-.01463 -.0076547
pdcgroup3	-.007667	.0020758	-3.69	0.000	-.0117355 -.0035985
pdcgroup4	-.0073897	.0015581	-4.74	0.000	-.0104436 -.0043358
pdcgroup5	.0114127	.0162195	0.70	0.482	-.020377 .0432024
cohort2000	-.0044974	.0026646	-1.69	0.091	-.0097199 .0007251
cohort2001	-.0059021	.004092	-1.44	0.149	-.0139222 .0021181
cohort2002	-.0044548	.0057968	-0.77	0.442	-.0158164 .0069068
cohort2003	-.0057889	.0076327	-0.76	0.448	-.0207488 .009171
cohort2004	.0210754	.0127674	1.65	0.099	-.0039482 .046099
award_b4_tsd	-.008562	.0067177	-1.27	0.202	-.0217286 .0046045
diaward_tsd	-.0003797	.0001674	-2.27	0.023	-.0007077 -.0000516
epeb4twp_flag	-.0087894	.0608567	-0.14	0.885	-.1280664 .1104876
ldwb4twp_flag	.1924177	.0441918	4.35	0.000	.1058034 .2790319
ldwb4epe_flag	.1051827	.0153856	6.84	0.000	.0750275 .135338
twpb4tsd	-.0119434	.002091	-5.71	0.000	-.0160418 -.0078451
epeb4tsd	-.0230811	.002961	-7.80	0.000	-.0288846 -.0172777
ldwb4tsd	-.016457	.0038776	-4.24	0.000	-.024057 -.0088571
st_AL	.0454283	.0602995	0.75	0.451	-.0727565 .1636131
st_AR	.0257138	.0631286	0.41	0.684	-.0980161 .1494436
st_AZ	.0677782	.061929	1.09	0.274	-.0536003 .1891567
st_CA	.052531	.0598386	0.88	0.380	-.0647505 .1698124
st_CO	.0425407	.0638044	0.67	0.505	-.0825135 .167595
st_CT	.0915366	.0621745	1.47	0.141	-.0303232 .2133964
st_DC	.0621849	.0725026	0.86	0.391	-.0799176 .2042875
st_DE	.0406263	.0685073	0.59	0.553	-.0936456 .1748981
st_FL	.0308491	.0612097	0.50	0.614	-.0891198 .1508179
st_GA	.0306844	.0621544	0.49	0.622	-.0911361 .1525048
st_HI	.061012	.0618454	0.99	0.324	-.0602028 .1822267
st_IA	.0736429	.0642734	1.15	0.252	-.0523306 .1996164
st_ID	.0574448	.0607226	0.95	0.344	-.0615693 .176459
st_IL	.0289221	.0610343	0.47	0.636	-.090703 .1485471

st_IN	.0596426	.0620213	0.96	0.336	-.061917	.1812021
st_KS	.0647065	.063302	1.02	0.307	-.0593632	.1887762
st_KY	.0378386	.0614688	0.62	0.538	-.0826381	.1583153
st_LA	.058398	.0622672	0.94	0.348	-.0636435	.1804395
st_MA	.0487089	.0611341	0.80	0.426	-.0711117	.1685295
st_MD	.0559099	.060777	0.92	0.358	-.0632109	.1750307
st_ME	.056173	.0606269	0.93	0.354	-.0626536	.1749996
st_MI	.048682	.0603757	0.81	0.420	-.0696521	.1670161
st_MN	.0552864	.0605287	0.91	0.361	-.0633477	.1739204
st_MO	.0527332	.0609966	0.86	0.387	-.066818	.1722843
st_MS	.0295253	.0611398	0.48	0.629	-.0903066	.1493571
st_MT	.1060335	.0720585	1.47	0.141	-.0351985	.2472655
st_NC	.0441292	.0600679	0.73	0.463	-.0736017	.1618602
st_ND	.0208549	.0883599	0.24	0.813	-.1523274	.1940371
st_NE	.0534752	.0611718	0.87	0.382	-.0664194	.1733698
st_NH	.0303429	.0651223	0.47	0.641	-.0972944	.1579802
st_NJ	.0556625	.0612571	0.91	0.364	-.0643993	.1757243
st_NM	.0513479	.0649051	0.79	0.429	-.0758637	.1785595
st_NV	.0206151	.0638405	0.32	0.747	-.1045099	.1457401
st_NY	.0465647	.0604543	0.77	0.441	-.0719236	.165053
st_OH	.0447084	.0598833	0.75	0.455	-.0726608	.1620775
st_OK	.0336473	.0651284	0.52	0.605	-.0940021	.1612966
st_OR	.0569477	.0623548	0.91	0.361	-.0652654	.1791608
st_PA	.0486969	.0600965	0.81	0.418	-.0690901	.166484
st_PR	.0167467	.061252	0.27	0.785	-.1033049	.1367983
st_RI	.0613381	.0603707	1.02	0.310	-.0569864	.1796625
st_SC	.0187361	.0609321	0.31	0.758	-.1006887	.1381608
st_SD	.0023225	.0856595	0.03	0.978	-.165567	.170212
st_TN	.0295568	.0613988	0.48	0.630	-.0907827	.1498963
st_TX	.0459235	.059897	0.77	0.443	-.0714724	.1633195
st_UT	.0491465	.0604474	0.81	0.416	-.0693282	.1676212
st_VA	.048338	.0626346	0.77	0.440	-.0744235	.1710996
st_VT	.0189918	.0722909	0.26	0.793	-.1226958	.1606794
st_WA	.0535705	.059877	0.89	0.371	-.0637862	.1709272
st_WI	.0583952	.0619718	0.94	0.346	-.0630673	.1798577
st_WV	.045533	.0602632	0.76	0.450	-.0725807	.1636468
st_WY	.0602507	.0618052	0.97	0.330	-.0608853	.1813868
tsd_unemp_mean	.0027403	.003816	0.72	0.473	-.004739	.0102196
tsd_unemp_cng	.0004473	.0022227	0.20	0.841	-.003909	.0048036
pia1	.0000112	6.36e-06	1.77	0.077	-1.23e-06	.0000237
pia_miss	.0178385	.0064261	2.78	0.006	.0052436	.0304335
ime1	-2.97e-06	2.09e-06	-1.42	0.154	-7.07e-06	1.12e-06
ime_miss	-.0199979	.0032514	-6.15	0.000	-.0263705	-.0136253
_cons	.0751035	.0669186	1.12	0.262	-.0560545	.2062615

twproll24						
mototkt	-.0000455	.0003697	-0.12	0.902	-.0007701	.0006791
male	.0008306	.0014451	0.57	0.565	-.0020018	.003663
gendermiss_flag	-.0527326	.1043218	-0.51	0.613	-.2571995	.1517344
tsd_age	-.0025439	.0001776	-14.32	0.000	-.002892	-.0021958
doage2	.0003476	.0001581	2.20	0.028	.0000377	.0006575
doage2miss_flag	.0670962	.2333007	0.29	0.774	-.3901648	.5243573
race_a	-.0030373	.0046792	-0.65	0.516	-.0122084	.0061337
race_b	.0119363	.0020311	5.88	0.000	.0079555	.0159172
race_h	.0003773	.0025437	0.15	0.882	-.0046082	.0053629
race_i	.0038451	.0093661	0.41	0.681	-.014512	.0222023
race_o	.0143775	.0069521	2.07	0.039	.0007516	.0280034
race_mis	-.0082392	.0054286	-1.52	0.129	-.018879	.0024007
tsd_edu_hs	.0065266	.0021547	3.03	0.002	.0023034	.0107497
tsd_edu_mrhs	.0189673	.0024716	7.67	0.000	.0141231	.0238116
tsd_edu_mis	.0059085	.0024022	2.46	0.014	.0012003	.0106167
tsd_mie_exp	.0213546	.0044847	4.76	0.000	.0125648	.0301444
tsd_mie_mis	-.0030321	.0024885	-1.22	0.223	-.0079094	.0018452

tsd_mie_psbl	.0063332	.0019455	3.26	0.001	.0025202	.0101463
tsd_medicare	-.0199454	.0025341	-7.87	0.000	-.0249122	-.0149787
tsd_medicare_miss	-.0451852	.0088367	-5.11	0.000	-.0625047	-.0278657
tsd_depend_1	-.0034432	.0020496	-1.68	0.093	-.0074605	.000574
tsd_depend_2	.0005563	.0018125	0.31	0.759	-.0029961	.0041087
tsd_depend_miss	-.0244151	.0064624	-3.78	0.000	-.0370812	-.011749
tsd_vrpr	-.0544784	.0040912	-13.32	0.000	-.062497	-.0464597
tsd_vrpr_miss	-.0979843	.0038856	-25.22	0.000	-.1055998	-.0903687
pdcgrou2	-.020501	.0023168	-8.85	0.000	-.0250418	-.0159602
pdcgrou3	-.0110366	.0027026	-4.08	0.000	-.0163336	-.0057395
pdcgrou4	-.0159596	.0020286	-7.87	0.000	-.0199357	-.0119836
pdcgrou5	-.0027365	.0211171	-0.13	0.897	-.0441252	.0386523
cohort2000	-.0106848	.0034692	-3.08	0.002	-.0174843	-.0038854
cohort2001	-.0150038	.0053276	-2.82	0.005	-.0254457	-.004562
cohort2002	-.0187284	.0075472	-2.48	0.013	-.0335206	-.0039361
cohort2003	-.0245538	.0099375	-2.47	0.013	-.0440309	-.0050767
cohort2004	.0330102	.0166226	1.99	0.047	.0004306	.0655898
award_b4_tsd	.0040885	.0087462	0.47	0.640	-.0130537	.0212307
diaward_tsd	-.0007314	.0002179	-3.36	0.001	-.0011585	-.0003044
epeb4twp_flag	.1887201	.0792327	2.38	0.017	.0334269	.3440133
ldwb4twp_flag	.1768205	.0575356	3.07	0.002	.0640527	.2895883
ldwb4epe_flag	.2132787	.0200314	10.65	0.000	.1740179	.2525395
twpb4tsd	-.0334358	.0027224	-12.28	0.000	-.0387716	-.0280999
epeb4tsd	-.0427449	.0038551	-11.09	0.000	-.0503007	-.0351891
ldwb4tsd	-.0265418	.0050485	-5.26	0.000	-.0364366	-.016647
st_AL	-.0293921	.0785071	-0.37	0.708	-.1832633	.1244791
st_AR	-.0162745	.0821906	-0.20	0.843	-.177365	.144816
st_AZ	-.0265311	.0806287	-0.33	0.742	-.1845603	.1314982
st_CA	-.0117375	.0779071	-0.15	0.880	-.1644326	.1409576
st_CO	.0145552	.0830704	0.18	0.861	-.1482597	.1773701
st_CT	.0413599	.0809484	0.51	0.609	-.1172959	.2000158
st_DC	-.0317529	.0943951	-0.34	0.737	-.2167639	.1532581
st_DE	-.0695186	.0891934	-0.78	0.436	-.2443344	.1052973
st_FL	-.0419819	.0796923	-0.53	0.598	-.1981759	.1142121
st_GA	-.0399707	.0809222	-0.49	0.621	-.1985753	.1186339
st_HI	-.008867	.0805199	-0.11	0.912	-.1666831	.148949
st_IA	.0159454	.083681	0.19	0.849	-.1480663	.179957
st_ID	-.0153943	.0790581	-0.19	0.846	-.1703453	.1395566
st_IL	-.0185652	.0794639	-0.23	0.815	-.1743115	.1371812
st_IN	-.0296042	.0807489	-0.37	0.714	-.1878692	.1286607
st_KS	.0512595	.0824163	0.62	0.534	-.1102735	.2127926
st_KY	-.0475984	.0800296	-0.59	0.552	-.2044535	.1092568
st_LA	.0171865	.0810691	0.21	0.832	-.141706	.176079
st_MA	-.0005314	.0795938	-0.01	0.995	-.1565323	.1554695
st_MD	-.0195081	.0791289	-0.25	0.805	-.1745979	.1355817
st_ME	-.0069114	.0789335	-0.09	0.930	-.1616182	.1477953
st_MI	-.022461	.0786063	-0.29	0.775	-.1765265	.1316046
st_MN	-.0123574	.0788056	-0.16	0.875	-.1668135	.1420986
st_MO	-.0076975	.0794148	-0.10	0.923	-.1633476	.1479526
st_MS	-.0476365	.0796012	-0.60	0.550	-.2036521	.1083791
st_MT	.0023485	.0938168	0.03	0.980	-.1815292	.1862261
st_NC	-.0310493	.0782057	-0.40	0.691	-.1843296	.122231
st_ND	-.0735825	.1150405	-0.64	0.522	-.2990579	.1518928
st_NE	-.008347	.0796429	-0.10	0.917	-.1644443	.1477503
st_NH	.019496	.0847862	0.23	0.818	-.1466819	.1856739
st_NJ	-.0255196	.079754	-0.32	0.749	-.1818345	.1307954
st_NM	-.0292004	.0845034	-0.35	0.730	-.1948241	.1364232
st_NV	-.0542837	.0831174	-0.65	0.514	-.2171907	.1086233
st_NY	-.0062628	.0787087	-0.08	0.937	-.1605291	.1480035
st_OH	-.0282744	.0779653	-0.36	0.717	-.1810836	.1245349
st_OK	-.0478444	.0847942	-0.56	0.573	-.214038	.1183492
st_OR	-.0022367	.081183	-0.03	0.978	-.1613525	.1568791
st_PA	-.019184	.0782429	-0.25	0.806	-.1725374	.1341693

st_PR	-.0605543	.0797472	-0.76	0.448	-.216856	.0957474
st_RI	-.0033916	.0785999	-0.04	0.966	-.1574446	.1506614
st_SC	-.0716903	.0793308	-0.90	0.366	-.2271758	.0837953
st_SD	-.1130534	.1115247	-1.01	0.311	-.3316378	.105531
st_TN	-.0472816	.0799385	-0.59	0.554	-.2039581	.109395
st_TX	-.0240647	.0779831	-0.31	0.758	-.1769088	.1287794
st_UT	-.0228615	.0786997	-0.29	0.771	-.1771101	.1313871
st_VA	-.000812	.0815474	-0.01	0.992	-.1606419	.1590179
st_VT	-.039262	.0941195	-0.42	0.677	-.2237328	.1452087
st_WA	-.0141249	.0779571	-0.18	0.856	-.166918	.1386681
st_WI	-.0172233	.0806844	-0.21	0.831	-.1753619	.1409153
st_WV	-.0247722	.07846	-0.32	0.752	-.1785509	.1290065
st_WY	-.0248682	.0804676	-0.31	0.757	-.1825817	.1328454
tsd_unemp_mean	.0017047	.0049683	0.34	0.732	-.0080329	.0114424
tsd_unemp_cng	.000453	.0028938	0.16	0.876	-.0052187	.0061248
pial	.0000308	8.28e-06	3.72	0.000	.0000146	.0000471
pia_miss	.0362473	.0083665	4.33	0.000	.0198493	.0526453
ime1	-8.73e-06	2.72e-06	-3.21	0.001	-.0000141	-3.40e-06
ime_miss	-.0390348	.0042332	-9.22	0.000	-.0473316	-.030738
_cons	.2861008	.0871249	3.28	0.001	.1153391	.4568625

twproll36						
mototkt	-.000405	.0004144	-0.98	0.328	-.0012172	.0004073
male	.0003131	.0016199	0.19	0.847	-.0028618	.003488
gendermiss_flag	-.0700634	.1169388	-0.60	0.549	-.2992592	.1591324
tsd_age	-.0032845	.0001991	-16.50	0.000	-.0036748	-.0028943
doage2	.0003956	.0001772	2.23	0.026	.0000482	.000743
doage2miss_flag	.09486	.2615168	0.36	0.717	-.4177035	.6074236
race_a	-.0051104	.0052451	-0.97	0.330	-.0153906	.0051699
race_b	.0133455	.0022767	5.86	0.000	.0088831	.0178078
race_h	-.0006043	.0028513	-0.21	0.832	-.0061928	.0049843
race_i	.0100679	.0104988	0.96	0.338	-.0105094	.0306452
race_o	.0157208	.0077929	2.02	0.044	.000447	.0309947
race_mis	-.0122495	.0060851	-2.01	0.044	-.0241762	-.0003228
tsd_edu_hs	.0079305	.0024153	3.28	0.001	.0031966	.0126644
tsd_edu_mrhs	.0250886	.0027705	9.06	0.000	.0196584	.0305188
tsd_edu_mis	.0061173	.0026927	2.27	0.023	.0008397	.0113949
tsd_mie_exp	.0259103	.0050271	5.15	0.000	.0160574	.0357632
tsd_mie_mis	-.0019373	.0027894	-0.69	0.487	-.0074045	.0035299
tsd_mie_psbl	.0090968	.0021808	4.17	0.000	.0048226	.0133711
tsd_medicare	-.0221604	.0028406	-7.80	0.000	-.0277278	-.016593
tsd_medicare_miss	-.0601686	.0099054	-6.07	0.000	-.0795828	-.0407544
tsd_depend_1	-.0041369	.0022975	-1.80	0.072	-.00864	.0003662
tsd_depend_2	.0028482	.0020317	1.40	0.161	-.0011338	.0068302
tsd_depend_miss	-.0276552	.007244	-3.82	0.000	-.0418532	-.0134573
tsd_vrpr	-.079572	.004586	-17.35	0.000	-.0885604	-.0705835
tsd_vrpr_miss	-.1323466	.0043555	-30.39	0.000	-.1408832	-.12381
pdcgrou2	-.0248765	.002597	-9.58	0.000	-.0299665	-.0197866
pdcgrou3	-.0156952	.0030295	-5.18	0.000	-.0216329	-.0097575
pdcgrou4	-.0212706	.002274	-9.35	0.000	-.0257275	-.0168137
pdcgrou5	-.0158745	.0236711	-0.67	0.502	-.062269	.0305199
cohort2000	-.0103493	.0038888	-2.66	0.008	-.0179711	-.0027275
cohort2001	-.0151846	.0059719	-2.54	0.011	-.0268893	-.0034798
cohort2002	-.0183514	.00846	-2.17	0.030	-.0349327	-.0017701
cohort2003	-.0255848	.0111393	-2.30	0.022	-.0474175	-.0037521
cohort2004	.0436129	.0186329	2.34	0.019	.007093	.0801328
award_b4_tsd	.0139768	.009804	1.43	0.154	-.0052386	.0331923
diaward_tsd	-.0007262	.0002442	-2.97	0.003	-.0012049	-.0002475
epeb4twp_flag	.2944538	.0888153	3.32	0.001	.120379	.4685287
ldwb4twp_flag	.3481502	.0644942	5.40	0.000	.2217439	.4745564
ldwb4epe_flag	.2619651	.022454	11.67	0.000	.217956	.3059742
twpb4tsd	-.053596	.0030517	-17.56	0.000	-.0595772	-.0476148
epeb4tsd	-.0532305	.0043213	-12.32	0.000	-.0617002	-.0447609

ldwb4tsd	-.0329846	.005659	-5.83	0.000	-.0440761	-.021893
st_AL	-.0093201	.088002	-0.11	0.916	-.1818009	.1631608
st_AR	.0216929	.0921309	0.24	0.814	-.1588804	.2022662
st_AZ	.0058773	.0903801	0.07	0.948	-.1712645	.1830191
st_CA	.0189636	.0873294	0.22	0.828	-.1521989	.190126
st_CO	.0622651	.0931171	0.67	0.504	-.1202411	.2447713
st_CT	.0794204	.0907385	0.88	0.381	-.0984238	.2572645
st_DC	.0313137	.1058115	0.30	0.767	-.1760731	.2387005
st_DE	-.073472	.0999807	-0.73	0.462	-.2694305	.1224866
st_FL	-.0139124	.0893305	-0.16	0.876	-.1889969	.1611722
st_GA	-.0081905	.0907092	-0.09	0.928	-.1859773	.1695962
st_HI	.0131176	.0902582	0.15	0.884	-.1637852	.1900204
st_IA	.0469986	.0938016	0.50	0.616	-.1368491	.2308463
st_ID	.0065062	.0886196	0.07	0.941	-.167185	.1801973
st_IL	.0254851	.0890745	0.29	0.775	-.1490977	.2000678
st_IN	-.0148243	.0905149	-0.16	0.870	-.1922303	.1625817
st_KS	.1158557	.092384	1.25	0.210	-.0652136	.2969251
st_KY	-.0193792	.0897086	-0.22	0.829	-.1952049	.1564465
st_LA	.0389892	.0908738	0.43	0.668	-.1391202	.2170986
st_MA	.0277304	.0892201	0.31	0.756	-.1471377	.2025985
st_MD	.0005286	.088699	0.01	0.995	-.1733182	.1743754
st_ME	.0164896	.0884799	0.19	0.852	-.1569279	.189907
st_MI	.0240202	.0881132	0.27	0.785	-.1486785	.1967189
st_MN	.010199	.0883365	0.12	0.908	-.1629374	.1833355
st_MO	.0278062	.0890194	0.31	0.755	-.1466687	.202281
st_MS	-.0310808	.0892285	-0.35	0.728	-.2059654	.1438038
st_MT	.0025642	.1051633	0.02	0.981	-.2035521	.2086806
st_NC	-.0115882	.0876641	-0.13	0.895	-.1834067	.1602302
st_ND	-.0685931	.1289539	-0.53	0.595	-.3213381	.1841519
st_NE	.0114434	.0892752	0.13	0.898	-.1635328	.1864195
st_NH	.0349571	.0950405	0.37	0.713	-.1513188	.2212331
st_NJ	.0022938	.0893997	0.03	0.980	-.1729263	.177514
st_NM	-.0054141	.0947235	-0.06	0.954	-.1910688	.1802406
st_NV	-.003769	.0931698	-0.04	0.968	-.1863785	.1788405
st_NY	.0411859	.088228	0.47	0.641	-.1317378	.2141097
st_OH	-.0057953	.0873947	-0.07	0.947	-.1770857	.1654952
st_OK	.0298251	.0950495	0.31	0.754	-.1564685	.2161187
st_OR	.0439704	.0910016	0.48	0.629	-.1343894	.2223302
st_PA	.0081517	.0877059	0.09	0.926	-.1637486	.1800521
st_PR	-.0362673	.0893921	-0.41	0.685	-.2114725	.138938
st_RI	.021337	.088106	0.24	0.809	-.1513476	.1940217
st_SC	-.0497776	.0889253	-0.56	0.576	-.224068	.1245129
st_SD	-.0081373	.1250128	-0.07	0.948	-.253158	.2368834
st_TN	-.0394659	.0896065	-0.44	0.660	-.2150913	.1361595
st_TX	.0015979	.0874146	0.02	0.985	-.1697317	.1729274
st_UT	.0020232	.0882179	0.02	0.982	-.1708807	.1749271
st_VA	.0218927	.09141	0.24	0.811	-.1572676	.2010529
st_VT	-.0403789	.1055026	-0.38	0.702	-.2471601	.1664024
st_WA	.0161621	.0873854	0.18	0.853	-.1551101	.1874344
st_WI	.0172816	.0904426	0.19	0.848	-.1599827	.194546
st_WV	.0002211	.0879491	0.00	0.998	-.172156	.1725983
st_WY	.0126376	.0901996	0.14	0.889	-.1641503	.1894255
tsd_unemp_mean	.0000547	.0055692	0.01	0.992	-.0108606	.0109701
tsd_unemp_cng	.0016817	.0032438	0.52	0.604	-.004676	.0080394
pial	.0000423	9.28e-06	4.56	0.000	.0000241	.0000605
pia_miss	.0411034	.0093784	4.38	0.000	.0227221	.0594846
ime1	-.0000115	3.05e-06	-3.79	0.000	-.0000175	-5.56e-06
ime_miss	-.0474807	.0047451	-10.01	0.000	-.0567809	-.0381804
_cons	.3466587	.0976621	3.55	0.000	.1552446	.5380728

twproll48						
mototkt	-.0003468	.0004384	-0.79	0.429	-.001206	.0005124
male	-.0003523	.0017135	-0.21	0.837	-.0037107	.0030061

gendermiss_flag	-.0800471	.1236966	-0.65	0.518	-.322488	.1623937
tsd_age	-.0037426	.0002106	-17.77	0.000	-.0041553	-.0033298
doage2	.0003508	.0001875	1.87	0.061	-.0000167	.0007182
doage2miss_flag	.1125066	.2766297	0.41	0.684	-.4296775	.6546908
race_a	-.0083002	.0055482	-1.50	0.135	-.0191745	.0025741
race_b	.0159484	.0024083	6.62	0.000	.0112282	.0206687
race_h	.0003104	.0030161	0.10	0.918	-.0056011	.0062219
race_i	.0010044	.0111055	0.09	0.928	-.020762	.0227709
race_o	.0142231	.0082433	1.73	0.084	-.0019333	.0303796
race_mis	-.0151624	.0064368	-2.36	0.018	-.0277783	-.0025465
tsd_edu_hs	.0095368	.0025549	3.73	0.000	.0045293	.0145443
tsd_edu_mrhs	.0284346	.0029307	9.70	0.000	.0226906	.0341786
tsd_edu_mis	.006744	.0028483	2.37	0.018	.0011614	.0123266
tsd_mie_exp	.0271588	.0053176	5.11	0.000	.0167365	.037581
tsd_mie_mis	.0003228	.0029506	0.11	0.913	-.0054603	.0061059
tsd_mie_psbl	.0117091	.0023068	5.08	0.000	.0071879	.0162303
tsd_medicare	-.0243127	.0030047	-8.09	0.000	-.0302018	-.0184235
tsd_medicare_miss	-.0682441	.0104778	-6.51	0.000	-.0887802	-.0477079
tsd_depend_1	-.0047304	.0024303	-1.95	0.052	-.0094937	.0000329
tsd_depend_2	.0027308	.0021491	1.27	0.204	-.0014814	.0069429
tsd_depend_miss	-.0293636	.0076626	-3.83	0.000	-.044382	-.0143451
tsd_vrpr	-.088321	.004851	-18.21	0.000	-.0978289	-.0788132
tsd_vrpr_miss	-.1447492	.0046072	-31.42	0.000	-.1537791	-.1357193
pdcgrou2	-.0293002	.0027471	-10.67	0.000	-.0346844	-.0239161
pdcgrou3	-.0177388	.0032046	-5.54	0.000	-.0240196	-.011458
pdcgrou4	-.0237487	.0024054	-9.87	0.000	-.0284632	-.0190342
pdcgrou5	-.023687	.025039	-0.95	0.344	-.0727625	.0253885
cohort2000	-.0120085	.0041135	-2.92	0.004	-.0200708	-.0039462
cohort2001	-.0171638	.006317	-2.72	0.007	-.029545	-.0047827
cohort2002	-.0214831	.0089489	-2.40	0.016	-.0390226	-.0039436
cohort2003	-.0287289	.0117831	-2.44	0.015	-.0518233	-.0056344
cohort2004	.0529833	.0197097	2.69	0.007	.0143529	.0916136
award_b4_tsd	.006304	.0103705	0.61	0.543	-.0140219	.0266298
diaward_tsd	-.0007381	.0002584	-2.86	0.004	-.0012445	-.0002317
epeb4twp_flag	.339362	.0939479	3.61	0.000	.1552275	.5234965
ldwb4twp_flag	.6441376	.0682212	9.44	0.000	.5104264	.7778487
ldwb4epe_flag	.2790908	.0237516	11.75	0.000	.2325385	.3256431
twpb4tsd	-.065936	.003228	-20.43	0.000	-.0722628	-.0596092
epeb4tsd	-.0594973	.0045711	-13.02	0.000	-.0684565	-.0505382
ldwb4tsd	-.0374236	.0059861	-6.25	0.000	-.0491561	-.0256911
st_AL	-.0027462	.0930876	-0.03	0.976	-.1851946	.1797021
st_AR	.0345184	.0974551	0.35	0.723	-.1564901	.2255269
st_AZ	.0470883	.0956031	0.49	0.622	-.1402903	.234467
st_CA	.032728	.0923761	0.35	0.723	-.1483258	.2137818
st_CO	.0643548	.0984983	0.65	0.514	-.1286984	.2574079
st_CT	.1070539	.0959822	1.12	0.265	-.0810677	.2951756
st_DC	.0361245	.1119263	0.32	0.747	-.183247	.255496
st_DE	-.0463155	.1057585	-0.44	0.661	-.2535983	.1609674
st_FL	.0246777	.0944928	0.26	0.794	-.1605248	.2098802
st_GA	.0096905	.0959512	0.10	0.920	-.1783704	.1977514
st_HI	.0273102	.0954741	0.29	0.775	-.1598157	.2144361
st_IA	.0617388	.0992223	0.62	0.534	-.1327333	.2562109
st_ID	.015029	.0937408	0.16	0.873	-.1686996	.1987576
st_IL	.0666291	.094222	0.71	0.479	-.1180427	.2513009
st_IN	.0127001	.0957457	0.13	0.894	-.1749581	.2003582
st_KS	.1407294	.0977228	1.44	0.150	-.0508038	.3322626
st_KY	-.0143676	.0948928	-0.15	0.880	-.2003541	.1716189
st_LA	.0650744	.0961253	0.68	0.498	-.1233278	.2534766
st_MA	.0801349	.094376	0.85	0.396	-.1048387	.2651085
st_MD	.0051869	.0938248	0.06	0.956	-.1787064	.1890802
st_ME	.0296475	.0935931	0.32	0.751	-.1537916	.2130867
st_MI	.043197	.0932052	0.46	0.643	-.1394818	.2258759
st_MN	.0215924	.0934414	0.23	0.817	-.1615495	.2047342

st_MO	.0641743	.0941638	0.68	0.496	-.1203833	.2487319
st_MS	-.0164397	.0943849	-0.17	0.862	-.2014307	.1685513
st_MT	.0021207	.1112406	0.02	0.985	-.2159069	.2201483
st_NC	-.0029275	.0927301	-0.03	0.975	-.1846752	.1788202
st_ND	-.0675563	.136406	-0.50	0.620	-.3349072	.1997946
st_NE	.0255802	.0944343	0.27	0.786	-.1595076	.2106681
st_NH	.0647424	.1005328	0.64	0.520	-.1322982	.2617831
st_NJ	.0194873	.094566	0.21	0.837	-.1658587	.2048333
st_NM	.0168	.1001975	0.17	0.867	-.1795835	.2131835
st_NV	-.0037695	.098554	-0.04	0.969	-.1969318	.1893928
st_NY	.0663733	.0933266	0.71	0.477	-.1165436	.2492902
st_OH	.0048239	.0924452	0.05	0.958	-.1763653	.1860131
st_OK	.0676421	.1005423	0.67	0.501	-.1294172	.2647014
st_OR	.0976423	.0962605	1.01	0.310	-.0910247	.2863094
st_PA	.0216351	.0927743	0.23	0.816	-.1601992	.2034695
st_PR	-.026192	.094558	-0.28	0.782	-.2115223	.1591383
st_RI	.0369528	.0931976	0.40	0.692	-.1457111	.2196167
st_SC	-.0439096	.0940642	-0.47	0.641	-.2282721	.1404529
st_SD	-.0107173	.1322372	-0.08	0.935	-.2698975	.2484629
st_TN	-.029859	.0947847	-0.32	0.753	-.2156337	.1559157
st_TX	.0125644	.0924662	0.14	0.892	-.1686661	.1937949
st_UT	.0159149	.0933159	0.17	0.865	-.1669809	.1988108
st_VA	.0313437	.0966925	0.32	0.746	-.15817	.2208575
st_VT	-.0417944	.1115995	-0.37	0.708	-.2605253	.1769366
st_WA	.0328302	.0924354	0.36	0.722	-.1483397	.2140002
st_WI	.0370523	.0956693	0.39	0.699	-.150456	.2245606
st_WV	.007277	.0930316	0.08	0.938	-.1750617	.1896157
st_WY	.0129207	.0954121	0.14	0.892	-.1740836	.199925
tsd_unemp_mean	-.0009389	.005891	-0.16	0.873	-.012485	.0106073
tsd_unemp_cng	.0012189	.0034312	0.36	0.722	-.0055062	.007944
pial	.0000462	9.82e-06	4.71	0.000	.000027	.0000654
pia_miss	.0408194	.0099203	4.11	0.000	.0213759	.0602629
ime1	-.0000127	3.22e-06	-3.95	0.000	-.000019	-6.40e-06
ime_miss	-.0526003	.0050193	-10.48	0.000	-.0624381	-.0427626
_cons	.3838665	.1033059	3.72	0.000	.1813907	.5863423

Endogenous variables: twproll12 twproll24 twproll36 twproll48 mototkt
Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
epb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epb4tsd ldwb4tsd
st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30

$$(1) \quad 12*[twproll12]mototkt + 12*[twproll24]mototkt = 0$$

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0013694	.0073194	0.19	0.852	-.0129763	.0157152

$$(1) \quad 12*[twproll12]mototkt + 12*[twproll24]mototkt + 12*[twproll36]mototkt = 0$$

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0034904	.0117559	-0.30	0.767	-.0265316	.0195508

(1) 12*[twproll12]mototkt + 12*[twproll24]mototkt + 12*[twproll36]mototkt + 12*[twproll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0076516	.0165329	-0.46	0.643	-.0400554	.0247522

phase 3 dependent variable: srvroll, unemployment: unemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
srvroll12	1.1e+05	99	.1329859	0.2943	47618.23	0.0000
srvroll24	1.1e+05	99	.1463618	0.4505	93752.69	0.0000
srvroll36	1.1e+05	99	.1479588	0.5502	139903.21	0.0000
srvroll48	1.1e+05	99	.1549879	0.5515	140604.81	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
srvroll12						
mototkt	-.0007861	.0002108	-3.73	0.000	-.0011993	-.0003729
male	.0007685	.0008241	0.93	0.351	-.0008467	.0023836
gendermiss_flag	.1895217	.0594891	3.19	0.001	.0729251	.3061183
tsd_age	-.0001972	.0001013	-1.95	0.051	-.0003957	1.26e-06
doage2	-.0000401	.0000902	-0.44	0.657	-.0002168	.0001367
doage2miss_flag	.0001416	.1330389	0.00	0.999	-.2606099	.2608931
race_a	-.0007807	.0026683	-0.29	0.770	-.0060105	.0044491
race_b	.0023207	.0011582	2.00	0.045	.0000507	.0045908
race_h	-.0006388	.0014505	-0.44	0.660	-.0034818	.0022043
race_i	-.0066062	.005341	-1.24	0.216	-.0170743	.0038619
race_o	-.003065	.0039644	-0.77	0.439	-.0108351	.0047051
race_mis	-.0016012	.0030956	-0.52	0.605	-.0076685	.0044662
tsd_edu_hs	.0015558	.0012287	1.27	0.205	-.0008525	.003964
tsd_edu_mrhs	.0071951	.0014094	5.10	0.000	.0044326	.0099575
tsd_edu_mis	.0022231	.0013698	1.62	0.105	-.0004618	.0049079
tsd_mie_exp	.0006277	.0025574	0.25	0.806	-.0043847	.00564
tsd_mie_mis	-.0000948	.001419	-0.07	0.947	-.0028761	.0026864
tsd_mie_psbl	.0011495	.0011094	1.04	0.300	-.0010249	.0033239
tsd_medicare	-.0024516	.0014451	-1.70	0.090	-.0052838	.0003807
tsd_medicare_miss	-.0067578	.0050391	-1.34	0.180	-.0166342	.0031186
tsd_depend_1	-.0006429	.0011688	-0.55	0.582	-.0029337	.0016479
tsd_depend_2	-.001707	.0010336	-1.65	0.099	-.0037327	.0003187
tsd_depend_miss	-.0036947	.0036852	-1.00	0.316	-.0109175	.003528
tsd_vrpr	-.4528026	.002333	-194.09	0.000	-.4573752	-.44823
tsd_vrpr_miss	-.4765102	.0022157	-215.06	0.000	-.4808529	-.4721674
pdcgroup2	-.0020469	.0013211	-1.55	0.121	-.0046363	.0005425
pdcgroup3	-.000945	.0015412	-0.61	0.540	-.0039656	.0020756
pdcgroup4	.0006889	.0011568	0.60	0.552	-.0015784	.0029562
pdcgroup5	-.005073	.0120419	-0.42	0.674	-.0286748	.0185288
cohort2000	-.0009629	.0019783	-0.49	0.626	-.0048403	.0029145
cohort2001	-.0002628	.003038	-0.09	0.931	-.0062172	.0056916
cohort2002	-.0022824	.0043038	-0.53	0.596	-.0107176	.0061529

cohort2003	-.0010276	.0056668	-0.18	0.856	-.0121344	.0100791
cohort2004	-.0126657	.009479	-1.34	0.181	-.0312441	.0059127
award_b4_tsd	-.0021292	.0049875	-0.43	0.669	-.0119045	.0076461
diaward_tsd	-.0000786	.0001243	-0.63	0.527	-.0003221	.000165
epeb4twp_flag	-.0715801	.0451822	-1.58	0.113	-.1601355	.0169753
ldwb4twp_flag	.0092146	.0328095	0.28	0.779	-.0550908	.07352
ldwb4epe_flag	-.0020048	.0114228	-0.18	0.861	-.0243931	.0203836
twpb4tsd	.0030475	.0015525	1.96	0.050	4.74e-06	.0060902
epeb4tsd	.0054865	.0021983	2.50	0.013	.0011778	.0097952
ldwb4tsd	-.007858	.0028789	-2.73	0.006	-.0135004	-.0022155
st_AL	-.0471021	.0447684	-1.05	0.293	-.1348466	.0406424
st_AR	-.0615137	.0468689	-1.31	0.189	-.153375	.0303476
st_AZ	-.042799	.0459782	-0.93	0.352	-.1329147	.0473166
st_CA	-.0485376	.0444262	-1.09	0.275	-.1356114	.0385363
st_CO	-.0337385	.0473706	-0.71	0.476	-.1265832	.0591061
st_CT	-.0559754	.0461605	-1.21	0.225	-.1464483	.0344976
st_DC	-.0670135	.0538285	-1.24	0.213	-.1725154	.0384883
st_DE	-.0507593	.0508622	-1.00	0.318	-.1504474	.0489288
st_FL	-.0653568	.0454442	-1.44	0.150	-.1544259	.0237123
st_GA	-.0705077	.0461456	-1.53	0.127	-.1609515	.019936
st_HI	-.0592736	.0459162	-1.29	0.197	-.1492676	.0307205
st_IA	-.0722231	.0477188	-1.51	0.130	-.1657502	.021304
st_ID	-.0450536	.0450826	-1.00	0.318	-.1334138	.0433067
st_IL	-.050237	.045314	-1.11	0.268	-.1390508	.0385768
st_IN	-.0581556	.0460468	-1.26	0.207	-.1484056	.0320945
st_KS	-.0559175	.0469976	-1.19	0.234	-.1480312	.0361961
st_KY	-.0636045	.0456366	-1.39	0.163	-.1530506	.0258416
st_LA	-.0663018	.0462294	-1.43	0.152	-.1569097	.0243061
st_MA	-.0524886	.0453881	-1.16	0.248	-.1414476	.0364703
st_MD	-.0548585	.045123	-1.22	0.224	-.1432979	.0335809
st_ME	-.0433675	.0450115	-0.96	0.335	-.1315885	.0448535
st_MI	-.0570183	.044825	-1.27	0.203	-.1448737	.0308371
st_MN	-.0520513	.0449386	-1.16	0.247	-.1401293	.0360267
st_MO	-.0560655	.045286	-1.24	0.216	-.1448244	.0326934
st_MS	-.0654326	.0453923	-1.44	0.149	-.1543999	.0235348
st_MT	-.0433277	.0534987	-0.81	0.418	-.1481832	.0615279
st_NC	-.0549219	.0445965	-1.23	0.218	-.1423295	.0324856
st_ND	-.0735585	.0656015	-1.12	0.262	-.202135	.055018
st_NE	-.0472143	.0454161	-1.04	0.299	-.1362283	.0417996
st_NH	-.0966648	.048349	-2.00	0.046	-.1914272	-.0019025
st_NJ	-.0593546	.0454794	-1.31	0.192	-.1484926	.0297835
st_NM	-.0452594	.0481878	-0.94	0.348	-.1397057	.0491869
st_NV	-.0681101	.0473974	-1.44	0.151	-.1610073	.024787
st_NY	-.0414514	.0448834	-0.92	0.356	-.1294212	.0465185
st_OH	-.0427344	.0444595	-0.96	0.336	-.1298733	.0444046
st_OK	-.0630555	.0483536	-1.30	0.192	-.1578268	.0317158
st_OR	-.0340364	.0462943	-0.74	0.462	-.1247717	.0566988
st_PA	-.0477563	.0446178	-1.07	0.284	-.1352055	.0396929
st_PR	-.0443605	.0454756	-0.98	0.329	-.133491	.04477
st_RI	-.0528559	.0448213	-1.18	0.238	-.1407041	.0349923
st_SC	-.0700093	.0452381	-1.55	0.122	-.1586744	.0186558
st_SD	-.0703196	.0635966	-1.11	0.269	-.1949666	.0543275
st_TN	-.0488672	.0455846	-1.07	0.284	-.1382115	.040477
st_TX	-.0500009	.0444696	-1.12	0.261	-.1371597	.0371579
st_UT	-.042613	.0448782	-0.95	0.342	-.1305728	.0453467
st_VA	-.0637943	.0465021	-1.37	0.170	-.1549368	.0273482
st_VT	-.0876847	.0536713	-1.63	0.102	-.1928785	.0175092
st_WA	-.0441151	.0444547	-0.99	0.321	-.1312448	.0430146
st_WI	-.0565098	.04601	-1.23	0.219	-.1466877	.0336682
st_WV	-.0494838	.0447415	-1.11	0.269	-.1371755	.038208
st_WY	-.0551668	.0458864	-1.20	0.229	-.1451024	.0347688
tsd_unemp_mean	-.0017325	.0028331	-0.61	0.541	-.0072854	.0038203
tsd_unemp_cng	.0012189	.0016502	0.74	0.460	-.0020154	.0044532

pia1	5.83e-06	4.72e-06	1.24	0.217	-3.42e-06	.0000151
pia_miss	.0036162	.004771	0.76	0.448	-.0057347	.0129671
ime1	-1.66e-06	1.55e-06	-1.07	0.283	-4.70e-06	1.37e-06
ime_miss	-.0027226	.0024139	-1.13	0.259	-.0074538	.0020087
_cons	.5539916	.0496827	11.15	0.000	.4566153	.6513679

srvroll24						
mototkt	-.0003628	.000232	-1.56	0.118	-.0008176	.0000919
male	.0021228	.000907	2.34	0.019	.0003452	.0039004
gendermiss_flag	.1856569	.0654726	2.84	0.005	.0573329	.3139809
tsd_age	-.0005206	.0001115	-4.67	0.000	-.0007391	-.0003022
doage2	.0000266	.0000992	0.27	0.788	-.0001679	.0002211
doage2miss_flag	-.0030862	.1464201	-0.02	0.983	-.2900644	.283892
race_a	-.0020755	.0029367	-0.71	0.480	-.0078313	.0036802
race_b	.0023755	.0012747	1.86	0.062	-.0001229	.0048739
race_h	.0007063	.0015964	0.44	0.658	-.0024227	.0038352
race_i	-.0062346	.0058782	-1.06	0.289	-.0177556	.0052863
race_o	-.0003804	.0043632	-0.09	0.931	-.008932	.0081713
race_mis	-.0059294	.003407	-1.74	0.082	-.012607	.0007482
tsd_edu_hs	.0045217	.0013523	3.34	0.001	.0018713	.0071722
tsd_edu_mrhs	.0119538	.0015512	7.71	0.000	.0089135	.0149941
tsd_edu_mis	.0053163	.0015076	3.53	0.000	.0023614	.0082712
tsd_mie_exp	-.0026789	.0028146	-0.95	0.341	-.0081954	.0028376
tsd_mie_mis	-.0030988	.0015618	-1.98	0.047	-.0061598	-.0000378
tsd_mie_psbl	-.002737	.001221	-2.24	0.025	-.0051301	-.0003439
tsd_medicare	-.0028163	.0015904	-1.77	0.077	-.0059334	.0003008
tsd_medicare_miss	-.0125546	.0055459	-2.26	0.024	-.0234244	-.0016848
tsd_depend_1	-.002571	.0012864	-2.00	0.046	-.0050922	-.0000498
tsd_depend_2	-.0018909	.0011375	-1.66	0.096	-.0041204	.0003385
tsd_depend_miss	-.004045	.0040558	-1.00	0.319	-.0119943	.0039043
tsd_vrpr	-.7013615	.0025677	-273.15	0.000	-.7063941	-.696329
tsd_vrpr_miss	-.736199	.0024386	-301.90	0.000	-.7409785	-.7314194
pdcgrou2	-.0035893	.001454	-2.47	0.014	-.0064391	-.0007395
pdcgrou3	-.0042523	.0016962	-2.51	0.012	-.0075767	-.0009278
pdcgrou4	-.0016519	.0012732	-1.30	0.194	-.0041473	.0008435
pdcgrou5	.0004154	.0132531	0.03	0.975	-.0255603	.0263911
cohort2000	-.0003063	.0021773	-0.14	0.888	-.0045736	.0039611
cohort2001	.0001138	.0033436	0.03	0.973	-.0064396	.0066671
cohort2002	-.0014698	.0047367	-0.31	0.756	-.0107535	.0078139
cohort2003	-.0006687	.0062368	-0.11	0.915	-.0128926	.0115551
cohort2004	-.0071361	.0104324	-0.68	0.494	-.0275832	.0133109
award_b4_tsd	-.0046633	.0054891	-0.85	0.396	-.0154218	.0060952
diaward_tsd	-.0001463	.0001368	-1.07	0.285	-.0004144	.0001217
epeb4twp_flag	-.1089091	.0497266	-2.19	0.029	-.2063715	-.0114467
ldwb4twp_flag	.0131953	.0361095	0.37	0.715	-.057578	.0839687
ldwb4epe_flag	.0021147	.0125717	0.17	0.866	-.0225255	.0267549
twpb4tsd	.0019326	.0017086	1.13	0.258	-.0014162	.0052814
epeb4tsd	.0057321	.0024195	2.37	0.018	.0009901	.0104742
ldwb4tsd	-.0100797	.0031684	-3.18	0.001	-.0162897	-.0038697
st_AL	-.0130388	.0492713	-0.26	0.791	-.1096088	.0835311
st_AR	-.015581	.051583	-0.30	0.763	-.1166818	.0855199
st_AZ	.0115918	.0506028	0.23	0.819	-.0875878	.1107713
st_CA	-.0131893	.0488947	-0.27	0.787	-.1090211	.0826425
st_CO	-.0063261	.0521352	-0.12	0.903	-.1085092	.0958569
st_CT	-.0251592	.0508034	-0.50	0.620	-.124732	.0744137
st_DC	-.037153	.0592426	-0.63	0.531	-.1532663	.0789604
st_DE	-.0196892	.055978	-0.35	0.725	-.1294041	.0900257
st_FL	-.0292552	.0500151	-0.58	0.559	-.1272829	.0687725
st_GA	-.0231304	.050787	-0.46	0.649	-.122671	.0764103
st_HI	-.038146	.0505345	-0.75	0.450	-.1371917	.0608998
st_IA	-.0493787	.0525184	-0.94	0.347	-.1523128	.0535555
st_ID	-.0146708	.049617	-0.30	0.767	-.1119184	.0825768
st_IL	-.0005371	.0498717	-0.01	0.991	-.0982839	.0972097

st_IN	-.0284277	.0506782	-0.56	0.575	-.1277552	.0708997
st_KS	-.011826	.0517247	-0.23	0.819	-.1132046	.0895525
st_KY	-.0369954	.0502268	-0.74	0.461	-.1354381	.0614473
st_LA	-.0081228	.0508792	-0.16	0.873	-.1078441	.0915985
st_MA	-.017803	.0499532	-0.36	0.722	-.1157096	.0801035
st_MD	-.0223084	.0496615	-0.45	0.653	-.1196431	.0750264
st_ME	-.0139261	.0495388	-0.28	0.779	-.1110205	.0831683
st_MI	-.0115944	.0493335	-0.24	0.814	-.1082863	.0850976
st_MN	-.0190304	.0494586	-0.38	0.700	-.1159674	.0779066
st_MO	-.0073577	.0498409	-0.15	0.883	-.1050441	.0903286
st_MS	-.0217076	.0499579	-0.43	0.664	-.1196234	.0762082
st_MT	-.0087374	.0588797	-0.15	0.882	-.1241395	.1066646
st_NC	-.0267821	.0490821	-0.55	0.585	-.1229812	.069417
st_ND	-.0524299	.0721997	-0.73	0.468	-.1939388	.089079
st_NE	-.0184252	.0499841	-0.37	0.712	-.1163922	.0795419
st_NH	-.0421869	.053212	-0.79	0.428	-.1464805	.0621068
st_NJ	-.0229123	.0500538	-0.46	0.647	-.121016	.0751914
st_NM	-.0181482	.0530346	-0.34	0.732	-.122094	.0857976
st_NV	-.0385524	.0521647	-0.74	0.460	-.1407933	.0636885
st_NY	-.0021503	.0493978	-0.04	0.965	-.0989682	.0946676
st_OH	-.0109543	.0489312	-0.22	0.823	-.1068577	.0849492
st_OK	.0005254	.0532171	0.01	0.992	-.1037781	.104829
st_OR	.0183538	.0509507	0.36	0.719	-.0815077	.1182153
st_PA	-.0170451	.0491055	-0.35	0.729	-.1132901	.0791999
st_PR	-.0096047	.0500496	-0.19	0.848	-.1077	.0884907
st_RI	-.0274268	.0493295	-0.56	0.578	-.1241109	.0692572
st_SC	-.0330753	.0497882	-0.66	0.506	-.1306584	.0645078
st_SD	-.0477859	.0699932	-0.68	0.495	-.1849701	.0893982
st_TN	.0132398	.0501696	0.26	0.792	-.0850908	.1115704
st_TX	-.0204144	.0489424	-0.42	0.677	-.1163397	.075511
st_UT	-.0049198	.0493921	-0.10	0.921	-.1017266	.091887
st_VA	-.0368959	.0511793	-0.72	0.471	-.1372056	.0634138
st_VT	-.0741324	.0590696	-1.26	0.209	-.1899068	.0416419
st_WA	-.0123476	.0489261	-0.25	0.801	-.1082409	.0835457
st_WI	.0017057	.0506378	0.03	0.973	-.0975425	.1009539
st_WV	-.0201938	.0492417	-0.41	0.682	-.1167057	.0763181
st_WY	-.0329315	.0505017	-0.65	0.514	-.1319129	.0660499
tsd_unemp_mean	-.0033556	.0031181	-1.08	0.282	-.0094669	.0027558
tsd_unemp_cng	-.0015298	.0018162	-0.84	0.400	-.0050894	.0020298
pia1	3.52e-06	5.20e-06	0.68	0.498	-6.66e-06	.0000137
pia_miss	-.0013574	.0052508	-0.26	0.796	-.0116489	.008934
ime1	-9.64e-07	1.71e-06	-0.57	0.572	-4.31e-06	2.38e-06
ime_miss	-.0017824	.0026567	-0.67	0.502	-.0069895	.0034247
_cons	.8054194	.0546798	14.73	0.000	.6982489	.9125899

srvroll36

mototkt	-.0002052	.0002346	-0.87	0.382	-.0006649	.0002545
male	.0011742	.0009169	1.28	0.200	-.0006228	.0029712
gendermiss_flag	.1822937	.066187	2.75	0.006	.0525696	.3120179
tsd_age	-.0005786	.0001127	-5.13	0.000	-.0007994	-.0003577
doage2	-9.34e-06	.0001003	-0.09	0.926	-.000206	.0001873
doage2miss_flag	-.0108677	.1480178	-0.07	0.941	-.3009772	.2792418
race_a	-.001673	.0029687	-0.56	0.573	-.0074915	.0041456
race_b	.0037353	.0012886	2.90	0.004	.0012097	.006261
race_h	.0002645	.0016139	0.16	0.870	-.0028986	.0034276
race_i	-.0037577	.0059423	-0.63	0.527	-.0154044	.007889
race_o	-.0006624	.0044108	-0.15	0.881	-.0093073	.0079826
race_miss	-.0063903	.0034442	-1.86	0.064	-.0131408	.0003602
tsd_edu_hs	.0061821	.0013671	4.52	0.000	.0035027	.0088615
tsd_edu_mrhs	.0145711	.0015681	9.29	0.000	.0114976	.0176446
tsd_edu_mis	.0065661	.0015241	4.31	0.000	.003579	.0095532
tsd_mie_exp	-.0029682	.0028453	-1.04	0.297	-.0085449	.0026084
tsd_mie_mis	-.0037853	.0015788	-2.40	0.017	-.0068797	-.0006909

tsd_mie_psbl	-.0033601	.0012343	-2.72	0.006	-.0057793	-.0009409
tsd_medicare	-.0016551	.0016078	-1.03	0.303	-.0048062	.0014961
tsd_medicare_miss	-.0159344	.0056064	-2.84	0.004	-.0269228	-.004946
tsd_depend_1	-.0024085	.0013004	-1.85	0.064	-.0049573	.0001402
tsd_depend_2	-.0024804	.0011499	-2.16	0.031	-.0047342	-.0002266
tsd_depend_miss	-.0068528	.0041001	-1.67	0.095	-.0148888	.0011832
tsd_vrpr	-.8662235	.0025957	-333.72	0.000	-.8713109	-.8611361
tsd_vrpr_miss	-.9089062	.0024652	-368.70	0.000	-.9137379	-.9040745
pdcgrou2	-.0039816	.0014699	-2.71	0.007	-.0068625	-.0011006
pdcgrou3	-.0040368	.0017147	-2.35	0.019	-.0073975	-.0006761
pdcgrou4	-.0009763	.0012871	-0.76	0.448	-.0034989	.0015463
pdcgrou5	-.0114988	.0133977	-0.86	0.391	-.0377579	.0147603
cohort2000	-.0031552	.002201	-1.43	0.152	-.0074691	.0011587
cohort2001	-.0032499	.0033801	-0.96	0.336	-.0098747	.003375
cohort2002	-.0061205	.0047883	-1.28	0.201	-.0155054	.0032645
cohort2003	-.0066885	.0063048	-1.06	0.289	-.0190458	.0056687
cohort2004	-.0030364	.0105462	-0.29	0.773	-.0237066	.0176337
award_b4_tsd	-.0062243	.005549	-1.12	0.262	-.0171002	.0046515
diaward_tsd	-.0003331	.0001382	-2.41	0.016	-.000604	-.0000621
epeb4twp_flag	-.1705675	.0502692	-3.39	0.001	-.2690934	-.0720417
ldwb4twp_flag	.0787754	.0365035	2.16	0.031	.0072298	.150321
ldwb4epe_flag	.0192359	.0127089	1.51	0.130	-.0056731	.044145
twpb4tsd	.0038105	.0017272	2.21	0.027	.0004251	.0071958
epeb4tsd	.0116038	.0024459	4.74	0.000	.00681	.0163976
ldwb4tsd	-.0168165	.003203	-5.25	0.000	-.0230943	-.0105387
st_AL	.0137633	.0498089	0.28	0.782	-.0838604	.1113869
st_AR	.0146002	.0521458	0.28	0.779	-.0876038	.1168041
st_AZ	.0462793	.0511549	0.90	0.366	-.0539824	.1465411
st_CA	.0144218	.0494282	0.29	0.770	-.0824557	.1112992
st_CO	.0146083	.052704	0.28	0.782	-.0886897	.1179063
st_CT	.0368989	.0513577	0.72	0.472	-.0637604	.1375582
st_DC	-.0183165	.059889	-0.31	0.760	-.1356968	.0990638
st_DE	.0175144	.0565888	0.31	0.757	-.0933976	.1284264
st_FL	.0078217	.0505608	0.15	0.877	-.0912757	.106919
st_GA	.0166694	.0513411	0.32	0.745	-.0839574	.1172962
st_HI	-.0116821	.0510859	-0.23	0.819	-.1118086	.0884444
st_IA	-.0016198	.0530914	-0.03	0.976	-.1056771	.1024375
st_ID	.0116789	.0501584	0.23	0.816	-.0866298	.1099876
st_IL	.0389047	.0504159	0.77	0.440	-.0599086	.1377181
st_IN	.0189642	.0512312	0.37	0.711	-.0814471	.1193755
st_KS	.0044847	.0522891	0.09	0.932	-.0980001	.1069694
st_KY	.0031849	.0507748	0.06	0.950	-.096332	.1027017
st_LA	.0121004	.0514343	0.24	0.814	-.088709	.1129099
st_MA	.0260731	.0504983	0.52	0.606	-.0729018	.1250479
st_MD	.0071736	.0502034	0.14	0.886	-.0912232	.1055704
st_ME	.0096841	.0500794	0.19	0.847	-.0884697	.1078379
st_MI	.0194129	.0498718	0.39	0.697	-.0783341	.1171599
st_MN	.012056	.0499982	0.24	0.809	-.0859387	.1100508
st_MO	.0366875	.0503847	0.73	0.467	-.0620648	.1354398
st_MS	.0149036	.0505031	0.30	0.768	-.0840806	.1138877
st_MT	.0344977	.0595221	0.58	0.562	-.0821635	.1511589
st_NC	-.0053702	.0496176	-0.11	0.914	-.1026189	.0918786
st_ND	-.0313797	.0729875	-0.43	0.667	-.1744327	.1116732
st_NE	.0139101	.0505295	0.28	0.783	-.0851259	.1129461
st_NH	-.03088	.0537926	-0.57	0.566	-.1363116	.0745517
st_NJ	.0049106	.0506	0.10	0.923	-.0942635	.1040847
st_NM	.0213937	.0536132	0.40	0.690	-.0836863	.1264737
st_NV	-.0094001	.0527338	-0.18	0.859	-.1127565	.0939564
st_NY	.0320588	.0499368	0.64	0.521	-.0658155	.1299331
st_OH	.0159434	.0494652	0.32	0.747	-.0810065	.1128934
st_OK	.0219837	.0537977	0.41	0.683	-.083458	.1274253
st_OR	.0337102	.0515066	0.65	0.513	-.067241	.1346613
st_PA	.0078844	.0496413	0.16	0.874	-.0894107	.1051795

st_PR	.0132596	.0505957	0.26	0.793	-.0859061	.1124253
st_RI	-.0053455	.0498678	-0.11	0.915	-.1030845	.0923935
st_SC	.0013132	.0503315	0.03	0.979	-.0973347	.0999611
st_SD	.0835879	.0707569	1.18	0.237	-.0550931	.2222689
st_TN	.0447659	.050717	0.88	0.377	-.0546376	.1441694
st_TX	.0048291	.0494764	0.10	0.922	-.0921429	.1018011
st_UT	.0268393	.0499311	0.54	0.591	-.0710238	.1247024
st_VA	-.0080678	.0517378	-0.16	0.876	-.109472	.0933364
st_VT	-.0132146	.0597142	-0.22	0.825	-.1302522	.103823
st_WA	.0084456	.0494599	0.17	0.864	-.088494	.1053852
st_WI	.0254833	.0511903	0.50	0.619	-.0748478	.1258144
st_WV	.0007515	.049779	0.02	0.988	-.0968134	.0983165
st_WY	-.0106726	.0510527	-0.21	0.834	-.110734	.0893889
tsd_unemp_mean	-.0027758	.0031521	-0.88	0.379	-.0089539	.0034023
tsd_unemp_cng	-.0022356	.001836	-1.22	0.223	-.005834	.0013629
pial	-7.27e-06	5.25e-06	-1.38	0.167	-.0000176	3.03e-06
pia_miss	-.0057193	.0053081	-1.08	0.281	-.0161231	.0046844
ime1	1.70e-06	1.72e-06	0.98	0.325	-1.68e-06	5.08e-06
ime_miss	-.0006564	.0026857	-0.24	0.807	-.0059203	.0046075
_cons	.9648535	.0552764	17.46	0.000	.8565136	1.073193

srvroll48						
mototkt	-.0002167	.0002457	-0.88	0.378	-.0006982	.0002649
male	.0012378	.0009604	1.29	0.197	-.0006446	.0031202
gendermiss_flag	.1800705	.0693314	2.60	0.009	.0441835	.3159575
tsd_age	-.0005633	.000118	-4.77	0.000	-.0007946	-.0003319
doage2	-.000155	.0001051	-1.48	0.140	-.000361	.0000509
doage2miss_flag	-.0102917	.1550497	-0.07	0.947	-.3141835	.2936001
race_a	-.0023081	.0031098	-0.74	0.458	-.0084031	.0037869
race_b	.0037366	.0013498	2.77	0.006	.0010909	.0063822
race_h	-.0005173	.0016905	-0.31	0.760	-.0038306	.0027961
race_i	-.0050825	.0062246	-0.82	0.414	-.0172825	.0071175
race_o	-.0020026	.0046203	-0.43	0.665	-.0110583	.007053
race_mis	-.0073671	.0036078	-2.04	0.041	-.0144383	-.000296
tsd_edu_hs	.0071769	.001432	5.01	0.000	.0043703	.0099836
tsd_edu_mrhs	.0165967	.0016426	10.10	0.000	.0133773	.0198162
tsd_edu_mis	.0077578	.0015965	4.86	0.000	.0046288	.0108869
tsd_mie_exp	-.0012483	.0029805	-0.42	0.675	-.0070899	.0045933
tsd_mie_mis	-.0033096	.0016538	-2.00	0.045	-.006551	-.0000682
tsd_mie_psbl	-.0026416	.0012929	-2.04	0.041	-.0051757	-.0001074
tsd_medicare	-.0034059	.0016841	-2.02	0.043	-.0067067	-.0001051
tsd_medicare_miss	-.0167769	.0058728	-2.86	0.004	-.0282874	-.0052665
tsd_depend_1	-.0020811	.0013622	-1.53	0.127	-.0047509	.0005887
tsd_depend_2	-.0027718	.0012046	-2.30	0.021	-.0051327	-.000411
tsd_depend_miss	-.0066146	.0042949	-1.54	0.124	-.0150324	.0018032
tsd_vrpr	-.9059722	.002719	-333.20	0.000	-.9113013	-.9006431
tsd_vrpr_miss	-.9532779	.0025823	-369.16	0.000	-.9583392	-.9482167
pdcgrou2	-.0038825	.0015397	-2.52	0.012	-.0069003	-.0008647
pdcgrou3	-.0039451	.0017961	-2.20	0.028	-.0074655	-.0004247
pdcgrou4	-.0014524	.0013482	-1.08	0.281	-.0040948	.00119
pdcgrou5	-.0165886	.0140342	-1.18	0.237	-.0440952	.010918
cohort2000	-.002733	.0023056	-1.19	0.236	-.0072518	.0017859
cohort2001	-.0030787	.0035407	-0.87	0.385	-.0100182	.0038609
cohort2002	-.006337	.0050158	-1.26	0.206	-.0161678	.0034938
cohort2003	-.0081078	.0066044	-1.23	0.220	-.0210521	.0048366
cohort2004	-.0040718	.0110472	-0.37	0.712	-.025724	.0175803
award_b4_tsd	-.0089652	.0058126	-1.54	0.123	-.0203577	.0024274
diaward_tsd	-.0003968	.0001448	-2.74	0.006	-.0006806	-.0001129
epeb4twp_flag	-.0678907	.0526574	-1.29	0.197	-.1710973	.0353158
ldwb4twp_flag	.0474349	.0382377	1.24	0.215	-.0275096	.1223794
ldwb4epe_flag	.0182558	.0133127	1.37	0.170	-.0078366	.0443482
twpb4tsd	.003996	.0018093	2.21	0.027	.0004498	.0075421
epeb4tsd	.0143324	.0025621	5.59	0.000	.0093109	.019354

ldwb4tsd	-.0190239	.0033552	-5.67	0.000	-.0255999	-.0124479
st_AL	.0195634	.0521752	0.37	0.708	-.0826981	.1218249
st_AR	.0170853	.0546231	0.31	0.754	-.0899741	.1241447
st_AZ	.0539101	.0535851	1.01	0.314	-.0511148	.158935
st_CA	.0230321	.0517764	0.44	0.656	-.0784477	.1245119
st_CO	.0182777	.0552079	0.33	0.741	-.0899277	.1264831
st_CT	.0449075	.0537976	0.83	0.404	-.0605338	.1503488
st_DC	-.0154172	.0627342	-0.25	0.806	-.1383739	.1075396
st_DE	.0744286	.0592772	1.26	0.209	-.0417525	.1906097
st_FL	.0247433	.0529628	0.47	0.640	-.0790619	.1285485
st_GA	.0239574	.0537802	0.45	0.656	-.0814498	.1293647
st_HI	-.0092281	.0535128	-0.17	0.863	-.1141113	.0956552
st_IA	.0142798	.0556137	0.26	0.797	-.0947209	.1232806
st_ID	.0160224	.0525413	0.30	0.760	-.0869567	.1190015
st_IL	.0506964	.052811	0.96	0.337	-.0528113	.1542041
st_IN	.0268368	.053665	0.50	0.617	-.0783447	.1320183
st_KS	.0429489	.0547732	0.78	0.433	-.0644046	.1503024
st_KY	.0098107	.053187	0.18	0.854	-.0944339	.1140553
st_LA	.0238016	.0538778	0.44	0.659	-.081797	.1294001
st_MA	.0370901	.0528973	0.70	0.483	-.0665868	.140767
st_MD	.01099	.0525884	0.21	0.834	-.0920814	.1140614
st_ME	.0140178	.0524585	0.27	0.789	-.088799	.1168346
st_MI	.0294564	.0522411	0.56	0.573	-.0729343	.131847
st_MN	.0224846	.0523735	0.43	0.668	-.0801656	.1251348
st_MO	.0383548	.0527784	0.73	0.467	-.0650889	.1417985
st_MS	.0313335	.0529023	0.59	0.554	-.0723531	.1350202
st_MT	.0754763	.0623499	1.21	0.226	-.0467272	.1976798
st_NC	-.0008131	.0519748	-0.02	0.988	-.1026819	.1010556
st_ND	-.0307427	.076455	-0.40	0.688	-.1805917	.1191063
st_NE	.0234623	.05293	0.44	0.658	-.0802787	.1272032
st_NH	-.0319758	.0563482	-0.57	0.570	-.1424162	.0784646
st_NJ	.0073742	.0530038	0.14	0.889	-.0965114	.1112598
st_NM	.024788	.0561603	0.44	0.659	-.0852841	.1348601
st_NV	.0276809	.0552391	0.50	0.616	-.0805857	.1359475
st_NY	.0404736	.0523092	0.77	0.439	-.0620504	.1429977
st_OH	.0254389	.0518151	0.49	0.623	-.0761168	.1269947
st_OK	.0251375	.0563535	0.45	0.656	-.0853134	.1355884
st_OR	.0569457	.0539536	1.06	0.291	-.0488013	.1626927
st_PA	.0142428	.0519996	0.27	0.784	-.0876745	.1161602
st_PR	.0236759	.0529993	0.45	0.655	-.0802009	.1275527
st_RI	.0008972	.0522368	0.02	0.986	-.1014851	.1032795
st_SC	.0130281	.0527226	0.25	0.805	-.0903062	.1163625
st_SD	.0845157	.0741184	1.14	0.254	-.0607536	.2297851
st_TN	.0513844	.0531264	0.97	0.333	-.0527415	.1555103
st_TX	.0120449	.0518269	0.23	0.816	-.089534	.1136238
st_UT	.0387192	.0523032	0.74	0.459	-.0637931	.1412316
st_VA	-.0002181	.0541957	-0.00	0.997	-.1064397	.1060035
st_VT	-.0129304	.062551	-0.21	0.836	-.1355281	.1096673
st_WA	.0138046	.0518096	0.27	0.790	-.0877404	.1153496
st_WI	.0454399	.0536222	0.85	0.397	-.0596576	.1505375
st_WV	.0062643	.0521438	0.12	0.904	-.0959357	.1084643
st_WY	-.0018117	.0534781	-0.03	0.973	-.1066268	.1030033
tsd_unemp_mean	-.0033753	.0033019	-1.02	0.307	-.0098469	.0030962
tsd_unemp_cng	-.0018195	.0019232	-0.95	0.344	-.0055889	.0019499
pial	-.0000116	5.50e-06	-2.11	0.035	-.0000224	-8.09e-07
pia_miss	-.0132683	.0055603	-2.39	0.017	-.0241663	-.0023703
ime1	2.39e-06	1.81e-06	1.32	0.186	-1.15e-06	5.93e-06
ime_miss	.0010054	.0028133	0.36	0.721	-.0045086	.0065194
_cons	1.016427	.0579025	17.55	0.000	.9029404	1.129914

Endogenous variables: srvroll12 srvroll24 srvroll36 srvroll48 mototkt
Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
 race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs

```

tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd
st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss imel
ime_miss imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30

```

(1) 12*[srvroll112]mototkt + 12*[srvroll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0137873	.0048771	-2.83	0.005	-.0233462	-.0042285

(1) 12*[srvroll112]mototkt + 12*[srvroll24]mototkt + 12*[srvroll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0162497	.0071717	-2.27	0.023	-.0303059	-.0021935

(1) 12*[srvroll112]mototkt + 12*[srvroll24]mototkt + 12*[srvroll36]mototkt + 12*[srvroll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0188499	.0096423	-1.95	0.051	-.0377485	.0000488

phase 3 dependent variable: nstw, unemployment: unemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
nstw12	1.1e+05	99	1.118218	0.4181	82180.78	0.0000
nstw24	1.1e+05	99	2.521164	0.3595	64210.47	0.0000
nstw36	1.1e+05	99	4.186741	0.3100	51380.06	0.0000
nstw48	1.1e+05	99	6.054054	0.2724	42813.90	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
nstw12						
mototkt	.0006567	.0017727	0.37	0.711	-.0028178	.0041311
male	.0041043	.0069292	0.59	0.554	-.0094768	.0176853
gendermiss_flag	-.0754393	.500217	-0.15	0.880	-1.055847	.9049679
tsd_age	-.0018357	.0008516	-2.16	0.031	-.0035049	-.0001666
doage2	-.000321	.0007581	-0.42	0.672	-.0018069	.0011649
doage2miss_flag	3.603665	1.118664	3.22	0.001	1.411125	5.796206
race_a	-.0195385	.0224365	-0.87	0.384	-.0635133	.0244362
race_b	.0216793	.009739	2.23	0.026	.0025913	.0407673

race_h	.0461508	.0121969	3.78	0.000	.0222453	.0700564
race_i	.0428936	.0449097	0.96	0.340	-.0451278	.1309151
race_o	.0065675	.033335	0.20	0.844	-.0587678	.0719029
race_mis	.0831697	.0260298	3.20	0.001	.0321522	.1341872
tsd_edu_hs	.0044831	.0103317	0.43	0.664	-.0157666	.0247329
tsd_edu_mrhs	.0237775	.0118513	2.01	0.045	.0005495	.0470056
tsd_edu_mis	.0293294	.0115184	2.55	0.011	.0067539	.051905
tsd_mie_exp	-.0032048	.0215037	-0.15	0.882	-.0453513	.0389418
tsd_mie_mis	-.0243006	.0119321	-2.04	0.042	-.047687	-.0009142
tsd_mie_psbl	-.0130683	.0093284	-1.40	0.161	-.0313517	.0052152
tsd_medicare	-.0344943	.0121508	-2.84	0.005	-.0583094	-.0106792
tsd_medicare_miss	-.0134253	.0423713	-0.32	0.751	-.0964715	.0696208
tsd_depend_1	-.0322606	.0098279	-3.28	0.001	-.051523	-.0129982
tsd_depend_2	-.0113142	.0086907	-1.30	0.193	-.0283476	.0057192
tsd_depend_miss	.0874321	.0309869	2.82	0.005	.0266989	.1481652
tsd_vrpr	.0879881	.0196172	4.49	0.000	.0495392	.126437
tsd_vrpr_miss	.1289622	.018631	6.92	0.000	.092446	.1654784
pdgroup2	-.0113307	.0111088	-1.02	0.308	-.0331036	.0104422
pdgroup3	.0394285	.0129589	3.04	0.002	.0140295	.0648276
pdgroup4	.02408	.0097272	2.48	0.013	.0050152	.0431449
pdgroup5	-.0205568	.1012552	-0.20	0.839	-.2190134	.1778998
cohort2000	.0354961	.0166345	2.13	0.033	.002893	.0680992
cohort2001	.1003893	.0255454	3.93	0.000	.0503212	.1504575
cohort2002	.1009181	.0361885	2.79	0.005	.02999	.1718461
cohort2003	.0298384	.0476496	0.63	0.531	-.0635532	.12323
cohort2004	.1139908	.0797042	1.43	0.153	-.0422265	.2702082
award_b4_tsd	-.0037436	.0419374	-0.09	0.929	-.0859394	.0784522
diaward_tsd	-.0017405	.0010448	-1.67	0.096	-.0037883	.0003072
epeb4twp_flag	.0841604	.3799162	0.22	0.825	-.6604616	.8287824
ldwb4twp_flag	-1.775873	.2758801	-6.44	0.000	-2.316588	-1.235158
ldwb4epe_flag	1.031648	.0960493	10.74	0.000	.8433947	1.219901
twpb4tsd	.8428179	.0130539	64.56	0.000	.8172328	.868403
epeb4tsd	.4925	.0184849	26.64	0.000	.4562702	.5287297
ldwb4tsd	5.074483	.0242071	209.63	0.000	5.027038	5.121928
st_AL	.0680386	.3764373	0.18	0.857	-.6697648	.8058421
st_AR	-.0645965	.394099	-0.16	0.870	-.8370163	.7078233
st_AZ	-.1285763	.3866098	-0.33	0.739	-.8863175	.6291649
st_CA	.0885288	.3735599	0.24	0.813	-.6436352	.8206928
st_CO	-.0823522	.3983176	-0.21	0.836	-.8630403	.6983359
st_CT	-.1853712	.3881427	-0.48	0.633	-.9461169	.5753745
st_DC	-.0157893	.4526191	-0.03	0.972	-.9029064	.8713278
st_DE	-.3016787	.4276772	-0.71	0.481	-1.139911	.5365532
st_FL	-.0821995	.3821198	-0.22	0.830	-.8311405	.6667415
st_GA	.0359486	.3880173	0.09	0.926	-.7245515	.7964486
st_HI	.1036849	.3860882	0.27	0.788	-.6530341	.8604039
st_IA	-.0671873	.4012454	-0.17	0.867	-.8536138	.7192391
st_ID	.0770081	.3790788	0.20	0.839	-.6659727	.8199889
st_IL	-.0694077	.3810247	-0.18	0.855	-.8162025	.677387
st_IN	.0137995	.3871864	0.04	0.972	-.7450718	.7726708
st_KS	.0642505	.3951816	0.16	0.871	-.7102912	.8387922
st_KY	.058718	.3837374	0.15	0.878	-.6933934	.8108294
st_LA	-.0925746	.3887215	-0.24	0.812	-.8544548	.6693056
st_MA	-.0933805	.3816475	-0.24	0.807	-.8413959	.6546348
st_MD	.1428649	.3794185	0.38	0.707	-.6007816	.8865115
st_ME	.0543816	.3784814	0.14	0.886	-.6874284	.7961916
st_MI	-.0654472	.3769128	-0.17	0.862	-.8041827	.6732883
st_MN	.020487	.3778681	0.05	0.957	-.7201209	.7610949
st_MO	-.0424282	.3807892	-0.11	0.911	-.7887613	.7039049
st_MS	-.0618473	.3816834	-0.16	0.871	-.809933	.6862383
st_MT	-.0325127	.4498463	-0.07	0.942	-.9141953	.8491698
st_NC	.0397047	.3749916	0.11	0.916	-.6952653	.7746748
st_ND	-.1913472	.5516128	-0.35	0.729	-1.272488	.8897939
st_NE	-.0011362	.3818833	-0.00	0.998	-.7496136	.7473413

st_NH	-.0224836	.4065449	-0.06	0.956	-.8192969	.7743297
st_NJ	-.0885266	.3824158	-0.23	0.817	-.8380478	.6609946
st_NM	-.200702	.405189	-0.50	0.620	-.9948578	.5934538
st_NV	-.066264	.3985429	-0.17	0.868	-.8473938	.7148657
st_NY	-.1222491	.3774039	-0.32	0.746	-.8619472	.617449
st_OH	.0328515	.3738393	0.09	0.930	-.6998601	.7655631
st_OK	-.0085139	.4065834	-0.02	0.983	-.8054028	.788375
st_OR	-.162336	.389268	-0.42	0.677	-.9252873	.6006153
st_PA	.0834485	.3751704	0.22	0.824	-.651872	.818769
st_PR	.0080293	.3823834	0.02	0.983	-.7414283	.757487
st_RI	.1271964	.3768821	0.34	0.736	-.6114789	.8658717
st_SC	.0070517	.3803867	0.02	0.985	-.7384926	.7525959
st_SD	-.4173387	.5347546	-0.78	0.435	-1.465438	.630761
st_TN	.0493038	.3833003	0.13	0.898	-.701951	.8005587
st_TX	.0826407	.3739245	0.22	0.825	-.650238	.8155193
st_UT	.0475534	.3773606	0.13	0.900	-.6920597	.7871666
st_VA	-.0270165	.391015	-0.07	0.945	-.7933918	.7393588
st_VT	.0109485	.4512975	0.02	0.981	-.8735783	.8954753
st_WA	.0572362	.3737996	0.15	0.878	-.6753976	.7898701
st_WI	-.1539954	.3868772	-0.40	0.691	-.9122608	.60427
st_WV	.0697066	.3762109	0.19	0.853	-.6676533	.8070665
st_WY	.167808	.3858374	0.43	0.664	-.5884193	.9240353
tsd_unemp_mean	.0049774	.0238226	0.21	0.834	-.0417142	.0516689
tsd_unemp_cng	.0024163	.0138756	0.17	0.862	-.0247794	.029612
pial	.0000926	.0000397	2.33	0.020	.0000148	.0001704
pia_miss	-.0876745	.0401168	-2.19	0.029	-.1663021	-.009047
ime1	-4.75e-06	.000013	-0.36	0.715	-.0000303	.0000208
ime_miss	.0114524	.0202977	0.56	0.573	-.0283304	.0512351
_cons	-.1946874	.4177589	-0.47	0.641	-1.01348	.624105

nstw24						
mototkt	.0006199	.0039968	0.16	0.877	-.0072137	.0084535
male	.0477073	.0156229	3.05	0.002	.0170871	.0783275
gendermiss_flag	-.2478105	1.127803	-0.22	0.826	-2.458263	1.962642
tsd_age	-.0088513	.0019201	-4.61	0.000	-.0126146	-.0050881
doage2	-.00151	.0017093	-0.88	0.377	-.0048602	.0018402
doage2miss_flag	7.35407	2.522169	2.92	0.004	2.41071	12.29743
race_a	.0111701	.0505859	0.22	0.825	-.0879765	.1103167
race_b	.0570665	.0219578	2.60	0.009	.0140301	.1001029
race_h	.1132829	.0274995	4.12	0.000	.0593849	.167181
race_i	.0367444	.1012546	0.36	0.717	-.161711	.2351998
race_o	.1276481	.0751579	1.70	0.089	-.0196586	.2749549
race_mis	.175796	.0586875	3.00	0.003	.0607707	.2908214
tsd_edu_hs	.0525272	.0232941	2.25	0.024	.0068715	.0981828
tsd_edu_mrhs	.1506646	.0267202	5.64	0.000	.0982939	.2030352
tsd_edu_mis	.116017	.0259696	4.47	0.000	.0651175	.1669164
tsd_mie_exp	-.0027973	.0484829	-0.06	0.954	-.097822	.0922275
tsd_mie_mis	-.0545111	.0269024	-2.03	0.043	-.1072387	-.0017834
tsd_mie_psbl	-.0341781	.0210321	-1.63	0.104	-.0754003	.0070442
tsd_medicare	-.0959651	.0273955	-3.50	0.000	-.1496592	-.0422709
tsd_medicare_miss	-.1539061	.0955314	-1.61	0.107	-.3411442	.0333319
tsd_depend_1	-.0901349	.0221583	-4.07	0.000	-.1335644	-.0467054
tsd_depend_2	-.0368776	.0195942	-1.88	0.060	-.0752816	.0015264
tsd_depend_miss	.1713915	.0698638	2.45	0.014	.0344609	.308322
tsd_vrpr	.246223	.0442294	5.57	0.000	.1595351	.332911
tsd_vrpr_miss	.2788441	.042006	6.64	0.000	.1965138	.3611745
pdcgrou2	-.0654175	.0250463	-2.61	0.009	-.1145073	-.0163277
pdcgrou3	.1193197	.0292176	4.08	0.000	.0620544	.1765851
pdcgrou4	.0650452	.0219311	2.97	0.003	.022061	.1080294
pdcgrou5	-.0066977	.2282927	-0.03	0.977	-.4541433	.4407478
cohort2000	.0598883	.0375047	1.60	0.110	-.0136195	.1333961
cohort2001	.1928301	.0575954	3.35	0.001	.0799451	.3057151
cohort2002	.1963215	.0815915	2.41	0.016	.0364051	.3562378

cohort2003	.129879	.1074322	1.21	0.227	-.0806842	.3404421
cohort2004	.4204214	.1797032	2.34	0.019	.0682096	.7726332
award_b4_tsd	-.0617226	.0945532	-0.65	0.514	-.2470435	.1235983
diaward_tsd	-.0048934	.0023556	-2.08	0.038	-.0095104	-.0002765
epeb4twp_flag	-.4289056	.8565692	-0.50	0.617	-2.10775	1.249939
ldwb4twp_flag	-2.941379	.6220067	-4.73	0.000	-4.16049	-1.722269
ldwb4epe_flag	3.183882	.2165553	14.70	0.000	2.759441	3.608322
twpb4tsd	2.553633	.0294316	86.76	0.000	2.495948	2.611318
epeb4tsd	.7732552	.0416766	18.55	0.000	.6915706	.8549398
ldwb4tsd	9.27232	.054578	169.89	0.000	9.165349	9.379291
st_AL	.1334025	.8487255	0.16	0.875	-1.530069	1.796874
st_AR	-.0389071	.8885461	-0.04	0.965	-1.780425	1.702611
st_AZ	-.1953591	.8716607	-0.22	0.823	-1.903783	1.513065
st_CA	.3106979	.8422382	0.37	0.712	-1.340059	1.961454
st_CO	-.2128913	.8980575	-0.24	0.813	-1.973052	1.547269
st_CT	-.193585	.8751169	-0.22	0.825	-1.908783	1.521613
st_DC	-.2869248	1.020487	-0.28	0.779	-2.287043	1.713193
st_DE	-.5789614	.9642524	-0.60	0.548	-2.468861	1.310939
st_FL	-.2509885	.8615375	-0.29	0.771	-1.939571	1.437594
st_GA	-.0610421	.8748343	-0.07	0.944	-1.775686	1.653602
st_HI	.1425778	.8704848	0.16	0.870	-1.563541	1.848697
st_IA	-.316495	.9046585	-0.35	0.726	-2.089593	1.456603
st_ID	.1385535	.8546812	0.16	0.871	-1.536591	1.813698
st_IL	-.2239097	.8590685	-0.26	0.794	-1.907653	1.459834
st_IN	.0035649	.8729607	0.00	0.997	-1.707407	1.714536
st_KS	-.0897592	.890987	-0.10	0.920	-1.836062	1.656543
st_KY	.0658353	.8651845	0.08	0.939	-1.629895	1.761566
st_LA	-.1821275	.876422	-0.21	0.835	-1.899883	1.535628
st_MA	-.2450697	.8604726	-0.28	0.776	-1.931565	1.441426
st_MD	.3224746	.8554471	0.38	0.706	-1.354171	1.99912
st_ME	.1274845	.8533344	0.15	0.881	-1.54502	1.799989
st_MI	.0054271	.8497977	0.01	0.995	-1.660146	1.671
st_MN	.0661584	.8519516	0.08	0.938	-1.603636	1.735953
st_MO	-.066478	.8585375	-0.08	0.938	-1.749181	1.616225
st_MS	-.0456254	.8605536	-0.05	0.958	-1.732279	1.641029
st_MT	-.1105273	1.014236	-0.11	0.913	-2.098392	1.877338
st_NC	.1016409	.8454661	0.12	0.904	-1.555442	1.758724
st_ND	-.7375835	1.243681	-0.59	0.553	-3.175153	1.699986
st_NE	-.046231	.8610043	-0.05	0.957	-1.733768	1.641306
st_NH	-.0627731	.916607	-0.07	0.945	-1.85929	1.733743
st_NJ	-.301234	.8622049	-0.35	0.727	-1.991125	1.388657
st_NM	-.5353424	.9135499	-0.59	0.558	-2.325867	1.255183
st_NV	-.2790782	.8985655	-0.31	0.756	-2.040234	1.482078
st_NY	-.2583207	.850905	-0.30	0.761	-1.926064	1.409422
st_OH	.1380555	.8428681	0.16	0.870	-1.513936	1.790047
st_OK	-.1388017	.9166939	-0.15	0.880	-1.935489	1.657885
st_OR	-.186235	.877654	-0.21	0.832	-1.906405	1.533935
st_PA	.2152841	.8458693	0.25	0.799	-1.442589	1.873157
st_PR	.2363816	.8621318	0.27	0.784	-1.453366	1.926129
st_RI	.3498165	.8497284	0.41	0.681	-1.315621	2.015254
st_SC	.0281111	.8576301	0.03	0.974	-1.652813	1.709035
st_SD	-1.19079	1.205672	-0.99	0.323	-3.553864	1.172284
st_TN	.077538	.8641992	0.09	0.929	-1.616261	1.771337
st_TX	.2480659	.8430603	0.29	0.769	-1.404302	1.900434
st_UT	.1269532	.8508073	0.15	0.881	-1.540598	1.794505
st_VA	-.0962421	.8815928	-0.11	0.913	-1.824132	1.631648
st_VT	-.3212468	1.017507	-0.32	0.752	-2.315525	1.673031
st_WA	.244141	.8427787	0.29	0.772	-1.407675	1.895957
st_WI	-.3420692	.8722637	-0.39	0.695	-2.051675	1.367536
st_WV	.1672539	.8482153	0.20	0.844	-1.495217	1.829725
st_WY	.244864	.8699192	0.28	0.778	-1.460146	1.949874
tsd_unemp_mean	-.0338411	.0537112	-0.63	0.529	-.1391131	.0714309
tsd_unemp_cng	.0084155	.0312843	0.27	0.788	-.0529007	.0697317

	pia1	.0001395	.0000895	1.56	0.119	-.0000359	.000315
	pia_miss	-.2555963	.0904485	-2.83	0.005	-.4328721	-.0783204
	ime1	.000031	.0000294	1.06	0.291	-.0000266	.0000886
	ime_miss	.0055011	.0457638	0.12	0.904	-.0841942	.0951965
	_cons	.055165	.9418905	0.06	0.953	-1.790906	1.901236

nstw36							
	mototkt	-.0016552	.0066372	-0.25	0.803	-.0146639	.0113536
	male	.1115874	.0259439	4.30	0.000	.0607383	.1624365
	gendermiss_flag	-.5561253	1.872872	-0.30	0.767	-4.226888	3.114637
	tsd_age	-.0214994	.0031885	-6.74	0.000	-.0277488	-.0152499
	doage2	-.0036569	.0028386	-1.29	0.198	-.0092204	.0019065
	doage2miss_flag	13.48844	4.188411	3.22	0.001	5.279306	21.69757
	race_a	.0767135	.0840049	0.91	0.361	-.0879332	.2413601
	race_b	.1337296	.0364639	3.67	0.000	.0622617	.2051975
	race_h	.2047921	.0456668	4.48	0.000	.1152869	.2942973
	race_i	.039823	.1681473	0.24	0.813	-.2897397	.3693857
	race_o	.3254058	.1248101	2.61	0.009	.0807826	.5700291
	race_mis	.2864846	.0974587	2.94	0.003	.0954691	.4775001
	tsd_edu_hs	.1243723	.0386831	3.22	0.001	.0485547	.2001898
	tsd_edu_mrhs	.3428575	.0443726	7.73	0.000	.2558888	.4298262
	tsd_edu_mis	.2413965	.0431261	5.60	0.000	.1568709	.3259221
	tsd_mie_exp	.00932	.0805126	0.12	0.908	-.1484818	.1671218
	tsd_mie_mis	-.0979235	.0446751	-2.19	0.028	-.1854851	-.010362
	tsd_mie_psbl	-.0880913	.0349268	-2.52	0.012	-.1565466	-.0196361
	tsd_medicare	-.1743623	.045494	-3.83	0.000	-.2635289	-.0851957
	tsd_medicare_miss	-.4406822	.1586431	-2.78	0.005	-.7516169	-.1297474
	tsd_depend_1	-.1637051	.036797	-4.45	0.000	-.2358258	-.0915844
	tsd_depend_2	-.062531	.032539	-1.92	0.055	-.1263062	.0012442
	tsd_depend_miss	.2084779	.1160185	1.80	0.072	-.0189142	.43587
	tsd_vrpr	.3723296	.073449	5.07	0.000	.2283723	.5162869
	tsd_vrpr_miss	.2843944	.0697569	4.08	0.000	.1476735	.4211153
	pdcgrou2	-.1714088	.0415928	-4.12	0.000	-.2529292	-.0898884
	pdcgrou3	.2062704	.0485198	4.25	0.000	.1111733	.3013674
	pdcgrou4	.0929502	.0364197	2.55	0.011	.021569	.1643314
	pdcgrou5	-.0371639	.3791117	-0.10	0.922	-.7802092	.7058814
	cohort2000	.0428014	.0622817	0.69	0.492	-.0792684	.1648713
	cohort2001	.1948021	.0956452	2.04	0.042	.0073409	.3822632
	cohort2002	.1789965	.1354939	1.32	0.186	-.0865667	.4445597
	cohort2003	.1139281	.178406	0.64	0.523	-.2357412	.4635974
	cohort2004	.7422652	.2984221	2.49	0.013	.1573687	1.327162
	award_b4_tsd	-.1005644	.1570187	-0.64	0.522	-.4083154	.2071866
	diaward_tsd	-.0114236	.0039118	-2.92	0.003	-.0190906	-.0037565
	epeb4twp_flag	-1.735246	1.422452	-1.22	0.223	-4.5232	1.052708
	ldwb4twp_flag	-3.730383	1.032928	-3.61	0.000	-5.754885	-1.705881
	ldwb4epe_flag	5.830337	.3596201	16.21	0.000	5.125495	6.53518
	twpb4tsd	4.425342	.0488753	90.54	0.000	4.329548	4.521135
	epeb4tsd	.9114988	.0692097	13.17	0.000	.7758502	1.047147
	ldwb4tsd	12.9717	.0906343	143.12	0.000	12.79406	13.14934
	st_AL	.3410947	1.409426	0.24	0.809	-2.42133	3.103519
	st_AR	.1170121	1.475554	0.08	0.937	-2.77502	3.009044
	st_AZ	-.099933	1.447513	-0.07	0.945	-2.937007	2.737141
	st_CA	.7518556	1.398653	0.54	0.591	-1.989454	3.493165
	st_CO	-.2164741	1.491349	-0.15	0.885	-3.139464	2.706516
	st_CT	-.1055742	1.453253	-0.07	0.942	-2.953897	2.742749
	st_DC	.1982866	1.69466	0.12	0.907	-3.123186	3.519759
	st_DE	-.6603643	1.601275	-0.41	0.680	-3.798805	2.478076
	st_FL	-.3527157	1.430702	-0.25	0.805	-3.156841	2.451409
	st_GA	.0099437	1.452783	0.01	0.995	-2.83746	2.857347
	st_HI	.3291953	1.445561	0.23	0.820	-2.504051	3.162442
	st_IA	-.5482538	1.502311	-0.36	0.715	-3.492729	2.396221
	st_ID	.2796273	1.419316	0.20	0.844	-2.502182	3.061436
	st_IL	-.1251311	1.426602	-0.09	0.930	-2.92122	2.670958

st_IN	.2429134	1.449672	0.17	0.867	-2.598392	3.084219
st_KS	.1247277	1.479607	0.08	0.933	-2.775249	3.024705
st_KY	.3222095	1.436759	0.22	0.823	-2.493786	3.138205
st_LA	-.1864415	1.45542	-0.13	0.898	-3.039012	2.666129
st_MA	-.2546617	1.428934	-0.18	0.859	-3.055321	2.545997
st_MD	.651606	1.420588	0.46	0.646	-2.132696	3.435908
st_ME	.4117234	1.41708	0.29	0.771	-2.365702	3.189149
st_MI	.225458	1.411207	0.16	0.873	-2.540456	2.991372
st_MN	.2785314	1.414784	0.20	0.844	-2.494393	3.051456
st_MO	.1103662	1.42572	0.08	0.938	-2.683994	2.904727
st_MS	.1681608	1.429068	0.12	0.906	-2.632762	2.969083
st_MT	-.5536702	1.684279	-0.33	0.742	-3.854795	2.747455
st_NC	.2854513	1.404014	0.20	0.839	-2.466365	3.037267
st_ND	-1.349265	2.065304	-0.65	0.514	-5.397187	2.698657
st_NE	.0379687	1.429817	0.03	0.979	-2.764421	2.840358
st_NH	-.0274098	1.522153	-0.02	0.986	-3.010774	2.955955
st_NJ	-.2928391	1.431811	-0.20	0.838	-3.099136	2.513458
st_NM	-.5462494	1.517076	-0.36	0.719	-3.519664	2.427165
st_NV	-.3601863	1.492192	-0.24	0.809	-3.28483	2.564457
st_NY	-.1300809	1.413046	-0.09	0.927	-2.899599	2.639437
st_OH	.4079301	1.399699	0.29	0.771	-2.33543	3.15129
st_OK	-.0784557	1.522297	-0.05	0.959	-3.062103	2.905192
st_OR	-.1483686	1.457466	-0.10	0.919	-3.00495	2.708212
st_PA	.5050341	1.404683	0.36	0.719	-2.248094	3.258162
st_PR	.6236775	1.431689	0.44	0.663	-2.182382	3.429737
st_RI	.6974472	1.411092	0.49	0.621	-2.068242	3.463136
st_SC	.0940842	1.424214	0.07	0.947	-2.697323	2.885491
st_SD	-1.889097	2.002185	-0.94	0.345	-5.813307	2.035114
st_TN	.1456861	1.435122	0.10	0.919	-2.667102	2.958474
st_TX	.5903019	1.400018	0.42	0.673	-2.153684	3.334287
st_UT	.3854811	1.412883	0.27	0.785	-2.383719	3.154681
st_VA	.0023315	1.464007	0.00	0.999	-2.86707	2.871733
st_VT	-.267143	1.689712	-0.16	0.874	-3.578917	3.044632
st_WA	.6311114	1.399551	0.45	0.652	-2.111958	3.37418
st_WI	-.223242	1.448515	-0.15	0.878	-3.062278	2.615794
st_WV	.4002325	1.408579	0.28	0.776	-2.360531	3.160996
st_WY	.3497098	1.444621	0.24	0.809	-2.481696	3.181116
tsd_unemp_mean	-.0873998	.0891948	-0.98	0.327	-.2622184	.0874189
tsd_unemp_cng	.0114924	.051952	0.22	0.825	-.0903316	.1133164
pia1	.0002703	.0001486	1.82	0.069	-.000021	.0005616
pia_miss	-.3893964	.1502023	-2.59	0.010	-.6837875	-.0950054
ime1	.0000644	.0000488	1.32	0.187	-.0000312	.00016
ime_miss	-.0776759	.0759971	-1.02	0.307	-.2266275	.0712756
_cons	.8326095	1.56414	0.53	0.595	-2.233048	3.898267

nstw48						
mototkt	-.0022678	.0095975	-0.24	0.813	-.0210785	.0165429
male	.2112303	.0375151	5.63	0.000	.1377022	.2847585
gendermiss_flag	-.9552746	2.708185	-0.35	0.724	-6.26322	4.35267
tsd_age	-.0405487	.0046107	-8.79	0.000	-.0495854	-.031512
doage2	-.0061994	.0041046	-1.51	0.131	-.0142442	.0018454
doage2miss_flag	14.97685	6.056467	2.47	0.013	3.106389	26.84731
race_a	.1379659	.1214716	1.14	0.256	-.1001142	.3760459
race_b	.2314093	.052727	4.39	0.000	.1280663	.3347524
race_h	.2774071	.0660344	4.20	0.000	.1479821	.4068322
race_i	.1003774	.2431421	0.41	0.680	-.3761723	.5769271
race_o	.5149624	.1804761	2.85	0.004	.1612357	.8686891
race_miss	.3572388	.1409259	2.53	0.011	.0810292	.6334484
tsd_edu_hs	.208415	.055936	3.73	0.000	.0987824	.3180476
tsd_edu_mrhs	.5859017	.0641631	9.13	0.000	.4601444	.7116591
tsd_edu_mis	.3841116	.0623606	6.16	0.000	.2618871	.5063361
tsd_mie_exp	.0242294	.1164217	0.21	0.835	-.203953	.2524118
tsd_mie_mis	-.1240725	.0646005	-1.92	0.055	-.2506871	.002542

tsd_mie_psbl	-.141077	.0505044	-2.79	0.005	-.2400637	-.0420902
tsd_medicare	-.2620898	.0657846	-3.98	0.000	-.3910253	-.1331543
tsd_medicare_miss	-.801064	.2293989	-3.49	0.000	-1.250678	-.3514505
tsd_depend_1	-.2297189	.0532086	-4.32	0.000	-.3340059	-.1254319
tsd_depend_2	-.067714	.0470515	-1.44	0.150	-.1599333	.0245053
tsd_depend_miss	.2104895	.1677635	1.25	0.210	-.1183209	.5392999
tsd_vrpr	.3330097	.1062077	3.14	0.002	.1248466	.5411729
tsd_vrpr_miss	.0519798	.1008688	0.52	0.606	-.1457195	.2496791
pdcgrou2	-.3396198	.0601434	-5.65	0.000	-.4574988	-.2217408
pdcgrou3	.2864901	.0701599	4.08	0.000	.1489791	.424001
pdcgrou4	.0876785	.0526631	1.66	0.096	-.0155392	.1908962
pdcgrou5	-.2579742	.5481979	-0.47	0.638	-1.332422	.8164739
cohort2000	.0284213	.0900597	0.32	0.752	-.1480925	.2049351
cohort2001	.1781566	.1383036	1.29	0.198	-.0929134	.4492267
cohort2002	.1324349	.1959251	0.68	0.499	-.2515712	.516441
cohort2003	.0773944	.2579762	0.30	0.764	-.4282296	.5830184
cohort2004	1.136525	.4315202	2.63	0.008	.2907607	1.982289
award_b4_tsd	-.0772784	.22705	-0.34	0.734	-.5222883	.3677315
diaward_tsd	-.0183612	.0056565	-3.25	0.001	-.0294478	-.0072746
epeb4twp_flag	-4.119361	2.056874	-2.00	0.045	-8.15076	-.0879624
ldwb4twp_flag	-3.725777	1.493621	-2.49	0.013	-6.65322	-.7983349
ldwb4epe_flag	9.133818	.5200129	17.56	0.000	8.114611	10.15302
twpb4tsd	6.344839	.0706739	89.78	0.000	6.206321	6.483358
epeb4tsd	.9429581	.1000777	9.42	0.000	.7468095	1.139107
ldwb4tsd	16.3171	.1310578	124.50	0.000	16.06023	16.57397
st_AL	-.2170636	2.038039	-0.11	0.915	-4.211547	3.777419
st_AR	-.3999675	2.13366	-0.19	0.851	-4.581864	3.781929
st_AZ	-.6946094	2.093113	-0.33	0.740	-4.797036	3.407817
st_CA	.5233675	2.022461	0.26	0.796	-3.440583	4.487318
st_CO	-.7637732	2.1565	-0.35	0.723	-4.990435	3.462888
st_CT	-.7380745	2.101413	-0.35	0.725	-4.856767	3.380618
st_DC	.3110934	2.450489	0.13	0.899	-4.491777	5.113964
st_DE	-1.580997	2.315453	-0.68	0.495	-6.119201	2.957207
st_FL	-1.162406	2.068804	-0.56	0.574	-5.217188	2.892377
st_GA	-.6046976	2.100734	-0.29	0.773	-4.72206	3.512665
st_HI	-.0808755	2.090289	-0.04	0.969	-4.177768	4.016017
st_IA	-1.539577	2.172351	-0.71	0.479	-5.797306	2.718152
st_ID	-.2798138	2.05234	-0.14	0.892	-4.302327	3.742699
st_IL	-.6393441	2.062876	-0.31	0.757	-4.682506	3.403818
st_IN	-.308914	2.096235	-0.15	0.883	-4.417459	3.799631
st_KS	-.495284	2.139521	-0.23	0.817	-4.688669	3.698101
st_KY	-.0698014	2.077562	-0.03	0.973	-4.141748	4.002145
st_LA	-.9492126	2.104546	-0.45	0.652	-5.074048	3.175623
st_MA	-.7867291	2.066247	-0.38	0.703	-4.836499	3.263041
st_MD	.2714998	2.054179	0.13	0.895	-3.754618	4.297617
st_ME	-.0940065	2.049106	-0.05	0.963	-4.110181	3.922168
st_MI	-.308225	2.040614	-0.15	0.880	-4.307754	3.691304
st_MN	-.2193522	2.045786	-0.11	0.915	-4.229019	3.790314
st_MO	-.3969266	2.0616	-0.19	0.847	-4.437589	3.643736
st_MS	-.1996282	2.066442	-0.10	0.923	-4.249779	3.850523
st_MT	-1.70117	2.435477	-0.70	0.485	-6.474618	3.072277
st_NC	-.2911443	2.030212	-0.14	0.886	-4.270287	3.687999
st_ND	-2.802841	2.986443	-0.94	0.348	-8.656161	3.050479
st_NE	-.590008	2.067524	-0.29	0.775	-4.64228	3.462264
st_NH	-.5827436	2.201042	-0.26	0.791	-4.896707	3.73122
st_NJ	-.8587731	2.070407	-0.41	0.678	-4.916696	3.19915
st_NM	-1.042852	2.193701	-0.48	0.635	-5.342428	3.256724
st_NV	-1.366963	2.15772	-0.63	0.526	-5.596015	2.86209
st_NY	-.5747331	2.043273	-0.28	0.778	-4.579474	3.430007
st_OH	-.0634953	2.023974	-0.03	0.975	-4.030411	3.90342
st_OK	-.6817467	2.201251	-0.31	0.757	-4.996119	3.632626
st_OR	-.8021108	2.107505	-0.38	0.704	-4.932745	3.328523
st_PA	.0655267	2.03118	0.03	0.974	-3.915514	4.046567

st_PR	.2384206	2.070231	0.12	0.908	-3.819158	4.296
st_RI	.3367776	2.040447	0.17	0.869	-3.662425	4.335981
st_SC	-.5645257	2.059422	-0.27	0.784	-4.600918	3.471866
st_SD	-2.800962	2.895172	-0.97	0.333	-8.475395	2.873472
st_TN	-.575879	2.075196	-0.28	0.781	-4.643188	3.49143
st_TX	.204442	2.024435	0.10	0.920	-3.763378	4.172262
st_UT	-.0390424	2.043038	-0.02	0.985	-4.043323	3.965238
st_VA	-.4925397	2.116963	-0.23	0.816	-4.641711	3.656632
st_VT	-.7997188	2.443334	-0.33	0.743	-5.588565	3.989128
st_WA	.2969583	2.023759	0.15	0.883	-3.669536	4.263453
st_WI	-.7197173	2.094561	-0.34	0.731	-4.824982	3.385547
st_WV	-.1300818	2.036814	-0.06	0.949	-4.122164	3.862
st_WY	-.2832695	2.088931	-0.14	0.892	-4.3775	3.810961
tsd_unemp_mean	-.139704	.1289763	-1.08	0.279	-.3924929	.1130848
tsd_unemp_cng	.0178483	.0751229	0.24	0.812	-.1293898	.1650865
pial	.0004201	.0002149	1.95	0.051	-1.10e-06	.0008413
pia_miss	-.5167963	.2171934	-2.38	0.017	-.9424876	-.091105
ime1	.0001021	.0000706	1.45	0.148	-.0000362	.0002404
ime_miss	-.2029202	.1098923	-1.85	0.065	-.418305	.0124647
_cons	2.876585	2.261755	1.27	0.203	-1.556374	7.309544

Endogenous variables: nstw12 nstw24 nstw36 nstw48 mototkt

Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag

race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
epb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epb4tsd ldwb4tsd
st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
st_WI st_WV st_WY tsd_unemp_mean tsd_unemp_cng pial pia_miss ime1
ime_miss imm21 imm23 imm24 imm25 imm26 imm27 imm28 imm29 imm30

(1) 12*[nstw12]mototkt + 12*[nstw24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	.0153192	.0673963	0.23	0.820	-.1167751 .1474135

(1) 12*[nstw12]mototkt + 12*[nstw24]mototkt + 12*[nstw36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.004543	.1435655	-0.03	0.975	-.2859262 .2768401

(1) 12*[nstw12]mototkt + 12*[nstw24]mototkt + 12*[nstw36]mototkt +
12*[nstw48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0317566	.2535809	-0.13	0.900	-.528766 .4652528

phase 1 NO NY dependent variable: ldwroll, unemployment: nounemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
ldwroll12	43080	95	.1436852	0.1203	5894.15	0.0000
ldwroll24	43080	95	.1955686	0.1154	5620.14	0.0000
ldwroll36	43080	95	.2317237	0.1123	5450.18	0.0000
ldwroll48	43080	95	.2557695	0.1132	5499.24	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
ldwroll12					
mototkt	-.0002861	.0005743	-0.50	0.618	-.0014117 .0008395
male	.0017169	.0014458	1.19	0.235	-.0011168 .0045506
gendermiss_flag	-.0117797	.1016436	-0.12	0.908	-.2109976 .1874381
tsd_age	-.0008006	.0001783	-4.49	0.000	-.0011501 -.0004511
doage2	-.0000886	.0001621	-0.55	0.585	-.0004063 .000229
doage2miss_flag	-.0009924	.0830079	-0.01	0.990	-.1636848 .1617
race_a	.0025965	.0062099	0.42	0.676	-.0095748 .0147678
race_b	.0092587	.0019991	4.63	0.000	.0053405 .0131769
race_h	-.0001269	.0027767	-0.05	0.964	-.0055692 .0053154
race_i	-.0042992	.0073719	-0.58	0.560	-.0187478 .0101494
race_o	.0032355	.0084501	0.38	0.702	-.0133263 .0197973
race_mis	-.0021919	.0058785	-0.37	0.709	-.0137136 .0093297
tsd_edu_hs	.0023028	.00202	1.14	0.254	-.0016563 .0062619
tsd_edu_mrhs	.0085483	.0023724	3.60	0.000	.0038985 .0131981
tsd_edu_mis	.0058299	.0023398	2.49	0.013	.0012441 .0104158
tsd_mie_exp	.0063739	.0043977	1.45	0.147	-.0022454 .0149932
tsd_mie_mis	.0016274	.0024066	0.68	0.499	-.0030894 .0063442
tsd_mie_psbl	-.0010858	.00195	-0.56	0.578	-.0049078 .0027362
tsd_medicare	-.0086453	.0019082	-4.53	0.000	-.0123854 -.0049053
tsd_medicare_miss	-.0083683	.0069211	-1.21	0.227	-.0219335 .0051969
tsd_depend_1	.000136	.0021244	0.06	0.949	-.0040277 .0042998
tsd_depend_2	-.003073	.0018638	-1.65	0.099	-.006726 .00058
tsd_depend_miss	.0004288	.0052584	0.08	0.935	-.0098774 .010735
tsd_vrpr	.0098644	.0031296	3.15	0.002	.0037304 .0159983
tsd_vrpr_miss	.0115251	.0028347	4.07	0.000	.0059692 .017081
pdcgroup2	.0000712	.0023447	0.03	0.976	-.0045243 .0046666
pdcgroup3	.0036286	.0028911	1.26	0.209	-.0020378 .0092951
pdcgroup4	.0041863	.0021159	1.98	0.048	.0000392 .0083334
pdcgroup5	.0204759	.0226282	0.90	0.366	-.0238745 .0648264
cohort2000	.002984	.0030443	0.98	0.327	-.0029827 .0089507
cohort2001	.0018442	.0052158	0.35	0.724	-.0083786 .012067
cohort2002	.0000364	.0076172	0.00	0.996	-.014893 .0149658
cohort2003	.0024448	.012225	0.20	0.841	-.0215158 .0264055
cohort2004	.0063731	.0125108	0.51	0.610	-.0181476 .0308939
award_b4_tsd	-.0048594	.0050258	-0.97	0.334	-.0147097 .004991
diaward_tsd	-.0002464	.0002314	-1.07	0.287	-.0006999 .000207
epeb4twp_flag	-.0357575	.0412283	-0.87	0.386	-.1165635 .0450484
ldwb4twp_flag	.3032077	.0401083	7.56	0.000	.2245967 .3818186
ldwb4epe_flag	.0925786	.0175143	5.29	0.000	.0582512 .1269061
twpb4tsd	.1828926	.0030258	60.44	0.000	.176962 .1888231
epeb4tsd	.1064633	.0040183	26.49	0.000	.0985876 .1143389
ldwb4tsd	-.1529902	.0059265	-25.81	0.000	-.1646059 -.1413745
st_AL	-.0180758	.0386622	-0.47	0.640	-.0938523 .0577008
st_AR	.056521	.0409516	1.38	0.168	-.0237426 .1367846
st_AZ	.0059394	.0216136	0.27	0.783	-.0364226 .0483013
st_CA	.0500984	.0262382	1.91	0.056	-.0013275 .1015242
st_CO	.0021823	.0217443	0.10	0.920	-.0404357 .0448003

st_CT	.0124329	.0329928	0.38	0.706	-.0522319	.0770977
st_DC	.3289739	.0857408	3.84	0.000	.160925	.4970228
st_DE	.000986	.0221544	0.04	0.965	-.0424359	.0444079
st_FL	.005287	.0215276	0.25	0.806	-.0369064	.0474804
st_GA	.0009234	.0282027	0.03	0.974	-.0543529	.0561997
st_HI	-.0123054	.067788	-0.18	0.856	-.1451675	.1205567
st_IA	.0057337	.0217365	0.26	0.792	-.036869	.0483365
st_ID	-.0340886	.0584229	-0.58	0.560	-.1485953	.0804181
st_IL	.0079561	.0215422	0.37	0.712	-.0342658	.0501781
st_IN	.0029919	.035033	0.09	0.932	-.0656715	.0716552
st_KS	-.007961	.0380061	-0.21	0.834	-.0824516	.0665296
st_KY	-.0258368	.0401167	-0.64	0.520	-.104464	.0527904
st_LA	.0402757	.0502867	0.80	0.423	-.0582845	.1388359
st_MA	.0113686	.021583	0.53	0.598	-.0309333	.0536704
st_MD	.0143535	.0409544	0.35	0.726	-.0659157	.0946228
st_ME	.0941198	.0525157	1.79	0.073	-.008809	.1970486
st_MI	.0265521	.0319257	0.83	0.406	-.0360211	.0891253
st_MN	-.0270994	.0358872	-0.76	0.450	-.0974371	.0432382
st_MO	.0349144	.0306941	1.14	0.255	-.025245	.0950737
st_MS	-.0201958	.0452876	-0.45	0.656	-.1089579	.0685663
st_MT	.004322	.1453457	0.03	0.976	-.2805502	.2891943
st_NC	-.0300479	.0317028	-0.95	0.343	-.0921843	.0320885
st_ND	0	(omitted)				
st_NE	-.0454409	.0393708	-1.15	0.248	-.1226061	.0317244
st_NH	-.0444668	.0409412	-1.09	0.277	-.12471	.0357763
st_NJ	-.0064976	.029193	-0.22	0.824	-.0637149	.0507196
st_NM	-.0168656	.0502911	-0.34	0.737	-.1154343	.0817031
st_NV	.0018943	.0346345	0.05	0.956	-.0659881	.0697768
st_NY	0	(omitted)				
st_OH	-.0167333	.032425	-0.52	0.606	-.0802852	.0468186
st_OK	.0017211	.0216837	0.08	0.937	-.0407781	.0442203
st_OR	-.0011844	.0217408	-0.05	0.957	-.0437955	.0414267
st_PA	.0096761	.0300306	0.32	0.747	-.0491828	.068535
st_PR	-.0142062	.0441231	-0.32	0.747	-.1006859	.0722734
st_RI	.1358011	.0584354	2.32	0.020	.0212698	.2503323
st_SC	.0015568	.0216413	0.07	0.943	-.0408594	.0439729
st_SD	-.0555268	.0584268	-0.95	0.342	-.1700412	.0589875
st_TN	.015899	.0363638	0.44	0.662	-.0553728	.0871707
st_TX	.0176724	.0294309	0.60	0.548	-.040011	.0753558
st_UT	-.021134	.0525313	-0.40	0.687	-.1240935	.0818255
st_VA	.0460801	.0354524	1.30	0.194	-.0234053	.1155656
st_VT	.0066391	.0225436	0.29	0.768	-.0375455	.0508238
st_WA	.0709375	.033906	2.09	0.036	.0044829	.1373921
st_WI	.0063105	.0216255	0.29	0.770	-.0360747	.0486957
st_WV	.0061686	.0677882	0.09	0.927	-.1266939	.1390311
st_WY	-.0120247	.10386	-0.12	0.908	-.2155866	.1915372
pial	-.00002	8.31e-06	-2.41	0.016	-.0000363	-3.74e-06
pia_miss	-.0338847	.0072126	-4.70	0.000	-.0480212	-.0197483
ime1	8.39e-06	2.75e-06	3.05	0.002	2.99e-06	.0000138
ime_miss	.0103601	.0041335	2.51	0.012	.0022587	.0184616
_cons	.0288405	.0232977	1.24	0.216	-.0168222	.0745033

ldwroll24

mototkt	.0001254	.0007817	0.16	0.873	-.0014066	.0016575
male	.0020547	.0019678	1.04	0.296	-.0018022	.0059116
gendermiss_flag	-.0187013	.1383462	-0.14	0.892	-.2898549	.2524524
tsd_age	-.0017344	.0002427	-7.15	0.000	-.0022101	-.0012587
doage2	-.0000414	.0002206	-0.19	0.851	-.0004737	.0003909
doage2miss_flag	-.0156188	.1129813	-0.14	0.890	-.2370581	.2058204
race_a	.0081932	.0084523	0.97	0.332	-.008373	.0247594
race_b	.014647	.002721	5.38	0.000	.009314	.01998
race_h	.0074697	.0037794	1.98	0.048	.0000622	.0148771
race_i	-.0000223	.0100338	-0.00	0.998	-.0196882	.0196435

race_o	-.0080937	.0115013	-0.70	0.482	-.0306358	.0144484
race_mis	.0085759	.0080012	1.07	0.284	-.0071061	.0242579
tsd_edu_hs	.0021773	.0027494	0.79	0.428	-.0032114	.007566
tsd_edu_mrhs	.0189726	.003229	5.88	0.000	.0126438	.0253014
tsd_edu_mis	.0112628	.0031846	3.54	0.000	.0050211	.0175045
tsd_mie_exp	.0076422	.0059856	1.28	0.202	-.0040894	.0193739
tsd_mie_mis	-.0023663	.0032756	-0.72	0.470	-.0087863	.0040537
tsd_mie_psbl	-.0014277	.0026542	-0.54	0.591	-.0066298	.0037744
tsd_medicare	-.011175	.0025973	-4.30	0.000	-.0162656	-.0060844
tsd_medicare_miss	-.0274665	.0094203	-2.92	0.004	-.0459299	-.0090031
tsd_depend_1	-.0085731	.0028915	-2.96	0.003	-.0142403	-.0029059
tsd_depend_2	-.0080574	.0025368	-3.18	0.001	-.0130294	-.0030853
tsd_depend_miss	-.0090173	.0071571	-1.26	0.208	-.023045	.0050104
tsd_vrpr	.0155	.0042597	3.64	0.000	.0071512	.0238489
tsd_vrpr_miss	.0114118	.0038583	2.96	0.003	.0038497	.0189739
pdcgrou2	-.0084924	.0031913	-2.66	0.008	-.0147472	-.0022375
pdcgrou3	.0042095	.0039351	1.07	0.285	-.0035031	.011922
pdcgrou4	.004233	.00288	1.47	0.142	-.0014116	.0098776
pdcgrou5	.0115862	.030799	0.38	0.707	-.0487788	.0719512
cohort2000	-.0025162	.0041435	-0.61	0.544	-.0106373	.005605
cohort2001	-.0086883	.0070992	-1.22	0.221	-.0226024	.0052258
cohort2002	-.0066594	.0103677	-0.64	0.521	-.0269797	.0136608
cohort2003	.008242	.0166394	0.50	0.620	-.0243706	.0408546
cohort2004	-.0126553	.0170284	-0.74	0.457	-.0460303	.0207197
award_b4_tsd	.0053356	.0068405	0.78	0.435	-.0080716	.0187428
diaward_tsd	-.000963	.0003149	-3.06	0.002	-.0015802	-.0003458
epeb4twp_flag	-.0377344	.0561155	-0.67	0.501	-.1477187	.0722499
ldwb4twp_flag	.2717111	.0545911	4.98	0.000	.1647145	.3787078
ldwb4epe_flag	.3282283	.0238386	13.77	0.000	.2815056	.3749511
twpb4tsd	.2400315	.0041184	58.28	0.000	.2319595	.2481035
epeb4tsd	.1024253	.0054692	18.73	0.000	.0917058	.1131448
ldwb4tsd	-.1946764	.0080665	-24.13	0.000	-.2104865	-.1788664
st_AL	.0269153	.0526228	0.51	0.609	-.0762234	.130054
st_AR	.0571002	.0557388	1.02	0.306	-.0521459	.1663463
st_AZ	.021485	.0294181	0.73	0.465	-.0361735	.0791435
st_CA	.0675428	.0357126	1.89	0.059	-.0024525	.1375381
st_CO	.0201895	.0295959	0.68	0.495	-.0378174	.0781965
st_CT	.0569033	.0449063	1.27	0.205	-.0311114	.1449179
st_DC	.3133429	.116701	2.69	0.007	.084613	.5420727
st_DE	.0250044	.0301542	0.83	0.407	-.0340968	.0841055
st_FL	.0197724	.0293011	0.67	0.500	-.0376566	.0772015
st_GA	.0114615	.0383864	0.30	0.765	-.0637746	.0866975
st_HI	-.0171065	.0922657	-0.19	0.853	-.1979439	.163731
st_IA	.0146532	.0295853	0.50	0.620	-.0433331	.0726394
st_ID	-.0441357	.0795188	-0.56	0.579	-.1999897	.1117183
st_IL	.0246365	.0293209	0.84	0.401	-.0328314	.0821043
st_IN	.0684988	.0476831	1.44	0.151	-.0249582	.1619559
st_KS	-.0089833	.0517298	-0.17	0.862	-.1103718	.0924052
st_KY	-.0307239	.0546024	-0.56	0.574	-.1377427	.0762949
st_LA	.1223232	.0684448	1.79	0.074	-.0118262	.2564727
st_MA	.0346074	.0293764	1.18	0.239	-.0229693	.092184
st_MD	-.0011579	.0557427	-0.02	0.983	-.1104117	.1080958
st_ME	.0895816	.0714786	1.25	0.210	-.0505138	.2296771
st_MI	.0159888	.0434538	0.37	0.713	-.069179	.1011566
st_MN	.00202	.0488458	0.04	0.967	-.093716	.0977559
st_MO	.0226383	.0417775	0.54	0.588	-.059244	.1045206
st_MS	-.0289508	.0616406	-0.47	0.639	-.1497641	.0918625
st_MT	-.0204503	.1978287	-0.10	0.918	-.4081874	.3672868
st_NC	-.0379493	.0431505	-0.88	0.379	-.1225226	.0466241
st_ND	0	(omitted)				
st_NE	-.000129	.0535872	-0.00	0.998	-.1051579	.1048999
st_NH	.005647	.0557246	0.10	0.919	-.1035712	.1148653
st_NJ	.0040759	.0397344	0.10	0.918	-.073802	.0819538

st_NM	-.0263233	.0684507	-0.38	0.701	-.1604843	.1078376
st_NV	-.0122612	.0471407	-0.26	0.795	-.1046553	.080133
st_NY	0	(omitted)				
st_OH	.0062371	.0441334	0.14	0.888	-.0802629	.092737
st_OK	.0112027	.0295135	0.38	0.704	-.0466426	.069048
st_OR	.0046522	.0295911	0.16	0.875	-.0533454	.0626498
st_PA	-.0001967	.0408744	-0.00	0.996	-.080309	.0799157
st_PR	-.0214821	.0600555	-0.36	0.721	-.1391887	.0962246
st_RI	.1257638	.0795359	1.58	0.114	-.0301237	.2816513
st_SC	.0087224	.0294558	0.30	0.767	-.0490098	.0664547
st_SD	.0747204	.0795241	0.94	0.347	-.0811441	.2305848
st_TN	.0076438	.0494944	0.15	0.877	-.0893635	.1046511
st_TX	.0098358	.0400581	0.25	0.806	-.0686766	.0883482
st_UT	-.0339461	.0714999	-0.47	0.635	-.1740834	.1061911
st_VA	.0769654	.0482539	1.60	0.111	-.0176106	.1715413
st_VT	.0176586	.0306839	0.58	0.565	-.0424808	.0777979
st_WA	.0588291	.0461492	1.27	0.202	-.0316217	.1492798
st_WI	.0166972	.0294343	0.57	0.571	-.0409929	.0743873
st_WV	.0044929	.092266	0.05	0.961	-.1763451	.1853309
st_WY	-.025302	.141363	-0.18	0.858	-.3023683	.2517643
pial	-.0000211	.0000113	-1.87	0.062	-.0000433	1.03e-06
pia_miss	-.037463	.009817	-3.82	0.000	-.056704	-.018222
ime1	8.45e-06	3.75e-06	2.25	0.024	1.10e-06	.0000158
ime_miss	.0002264	.005626	0.04	0.968	-.0108004	.0112532
_cons	.0817688	.0317104	2.58	0.010	.0196177	.14392

ldwroll136

mototkt	-.0006696	.0009262	-0.72	0.470	-.0024849	.0011456
male	.0035347	.0023316	1.52	0.130	-.0010352	.0081047
gendermiss_flag	-.0271316	.1639225	-0.17	0.869	-.3484138	.2941506
tsd_age	-.0025617	.0002876	-8.91	0.000	-.0031253	-.001998
doage2	-.0001258	.0002614	-0.48	0.630	-.0006381	.0003865
doage2miss_flag	-.0315974	.1338683	-0.24	0.813	-.2939744	.2307796
race_a	.0015195	.0100149	0.15	0.879	-.0181093	.0211483
race_b	.0217201	.003224	6.74	0.000	.0154011	.028039
race_h	.0131382	.0044781	2.93	0.003	.0043613	.0219151
race_i	.0035095	.0118887	0.30	0.768	-.0197919	.026811
race_o	-.0135206	.0136276	-0.99	0.321	-.0402302	.0131889
race_mis	.0071957	.0094804	0.76	0.448	-.0113855	.0257769
tsd_edu_hs	.0055191	.0032577	1.69	0.090	-.0008659	.011904
tsd_edu_mrhs	.0302264	.003826	7.90	0.000	.0227276	.0377253
tsd_edu_mis	.0171946	.0037734	4.56	0.000	.0097989	.0245902
tsd_mie_exp	.004479	.0070922	0.63	0.528	-.0094215	.0183795
tsd_mie_mis	-.0039936	.0038811	-1.03	0.303	-.0116005	.0036133
tsd_mie_psbl	-.0056135	.0031449	-1.78	0.074	-.0117773	.0005503
tsd_medicare	-.0140034	.0030774	-4.55	0.000	-.020035	-.0079717
tsd_medicare_miss	-.0403426	.0111618	-3.61	0.000	-.0622194	-.0184658
tsd_depend_1	-.0118119	.003426	-3.45	0.001	-.0185268	-.005097
tsd_depend_2	-.0079979	.0030058	-2.66	0.008	-.0138891	-.0021066
tsd_depend_miss	-.0153547	.0084803	-1.81	0.070	-.0319758	.0012663
tsd_vrpr	.0124208	.0050472	2.46	0.014	.0025285	.0223131
tsd_vrpr_miss	-.0032558	.0045716	-0.71	0.476	-.0122159	.0057043
pdcgrou2	-.0148635	.0037813	-3.93	0.000	-.0222747	-.0074523
pdcgrou3	.0013399	.0046625	0.29	0.774	-.0077985	.0104782
pdcgrou4	.0009512	.0034124	0.28	0.780	-.0057369	.0076394
pdcgrou5	.000744	.0364929	0.02	0.984	-.0707807	.0722688
cohort2000	.0001119	.0049095	0.02	0.982	-.0095106	.0097345
cohort2001	-.0027468	.0084116	-0.33	0.744	-.0192333	.0137397
cohort2002	-.0006922	.0122844	-0.06	0.955	-.0247692	.0233847
cohort2003	.0427774	.0197155	2.17	0.030	.0041357	.0814192
cohort2004	.0202689	.0201764	1.00	0.315	-.0192762	.0598139
award_b4_tsd	.0156002	.0081052	1.92	0.054	-.0002857	.031486
diaward_tsd	-.0009743	.0003731	-2.61	0.009	-.0017056	-.000243

epeb4twp_flag	-.0440252	.0664896	-0.66	0.508	-.1743424	.0862921
ldwb4twp_flag	.2497324	.0646834	3.86	0.000	.1229552	.3765096
ldwb4epe_flag	.4368549	.0282457	15.47	0.000	.3814945	.4922154
twpb4tsd	.269362	.0048798	55.20	0.000	.2597977	.2789263
epeb4tsd	.0936226	.0064803	14.45	0.000	.0809214	.1063238
ldwb4tsd	-.2208473	.0095578	-23.11	0.000	-.2395802	-.2021144
st_AL	.0019871	.0623512	0.03	0.975	-.120219	.1241933
st_AR	.0346601	.0660433	0.52	0.600	-.0947825	.1641026
st_AZ	.0227102	.0348567	0.65	0.515	-.0456077	.091028
st_CA	.0760139	.0423148	1.80	0.072	-.0069215	.1589494
st_CO	.0127163	.0350674	0.36	0.717	-.0560145	.0814471
st_CT	.0262134	.0532081	0.49	0.622	-.0780726	.1304994
st_DC	.2799918	.1382757	2.02	0.043	.0089764	.5510072
st_DE	.0280177	.0357289	0.78	0.433	-.0420096	.098045
st_FL	.0153975	.034718	0.44	0.657	-.0526486	.0834435
st_GA	.0038876	.045483	0.09	0.932	-.0852574	.0930327
st_HI	-.0392485	.109323	-0.36	0.720	-.2535176	.1750206
st_IA	.0098035	.0350548	0.28	0.780	-.0589027	.0785097
st_ID	-.071708	.0942196	-0.76	0.447	-.256375	.112959
st_IL	.0188109	.0347415	0.54	0.588	-.0492811	.086903
st_IN	.0791704	.0564983	1.40	0.161	-.0315642	.189905
st_KS	-.0314298	.0612931	-0.51	0.608	-.1515621	.0887026
st_KY	.0020848	.0646969	0.03	0.974	-.1247187	.1288883
st_LA	.0958751	.0810983	1.18	0.237	-.0630747	.2548249
st_MA	.0292969	.0348072	0.84	0.400	-.0389241	.0975178
st_MD	.0274599	.066048	0.42	0.678	-.1019918	.1569115
st_ME	.1720103	.0846929	2.03	0.042	.0060152	.3380054
st_MI	.0133926	.0514871	0.26	0.795	-.0875203	.1143054
st_MN	.0122413	.0578759	0.21	0.832	-.1011934	.1256761
st_MO	-.0087152	.0495009	-0.18	0.860	-.1057352	.0883048
st_MS	.1720615	.0730362	2.36	0.018	.0289132	.3152097
st_MT	-.0675531	.2344015	-0.29	0.773	-.5269716	.3918655
st_NC	-.0379672	.0511277	-0.74	0.458	-.1381757	.0622414
st_ND	0	(omitted)				
st_NE	-.0230016	.0634939	-0.36	0.717	-.1474474	.1014442
st_NH	.0388469	.0660265	0.59	0.556	-.0905627	.1682565
st_NJ	.0358598	.0470801	0.76	0.446	-.0564156	.1281351
st_NM	-.0501725	.0811053	-0.62	0.536	-.209136	.1087909
st_NV	-.0048014	.0558557	-0.09	0.931	-.1142766	.1046738
st_NY	0	(omitted)				
st_OH	.0099434	.0522924	0.19	0.849	-.0925479	.1124347
st_OK	.005445	.0349696	0.16	0.876	-.0630943	.0739842
st_OR	.0010369	.0350617	0.03	0.976	-.0676828	.0697565
st_PA	.0135098	.0484309	0.28	0.780	-.081413	.1084326
st_PR	-.0538042	.0711581	-0.76	0.450	-.1932715	.085663
st_RI	.0961443	.0942398	1.02	0.308	-.0885623	.2808509
st_SC	-.0045389	.0349013	-0.13	0.897	-.0729442	.0638664
st_SD	.1922512	.0942259	2.04	0.041	.0075719	.3769305
st_TN	.0642122	.0586445	1.09	0.274	-.050729	.1791534
st_TX	-.0174395	.0474637	-0.37	0.713	-.1104665	.0755876
st_UT	-.0658826	.0847182	-0.78	0.437	-.2319272	.100162
st_VA	.0890817	.0571747	1.56	0.119	-.0229787	.201142
st_VT	.0159901	.0363565	0.44	0.660	-.0552673	.0872475
st_WA	.063392	.0546809	1.16	0.246	-.0437805	.1705645
st_WI	.004505	.0348758	0.13	0.897	-.0638503	.0728604
st_WV	-.0188805	.1093233	-0.17	0.863	-.2331503	.1953892
st_WY	-.0542086	.1674969	-0.32	0.746	-.3824965	.2740793
pia1	-.0000208	.0000134	-1.55	0.121	-.0000471	5.46e-06
pia_miss	-.0458359	.0116319	-3.94	0.000	-.068634	-.0230379
ime1	8.51e-06	4.44e-06	1.92	0.055	-1.90e-07	.0000172
ime_miss	-.0093587	.0066661	-1.40	0.160	-.022424	.0037066
_cons	.1492795	.0375727	3.97	0.000	.0756384	.2229206

ldwroll48							
mototkt	-.0004594	.0010223	-0.45	0.653	-.002463	.0015442	
male	.005619	.0025736	2.18	0.029	.0005748	.0106631	
gendermiss_flag	-.0363108	.1809326	-0.20	0.841	-.3909321	.3183106	
tsd_age	-.0032811	.0003174	-10.34	0.000	-.0039033	-.002659	
doage2	-.0002442	.0002885	-0.85	0.397	-.0008096	.0003212	
doage2miss_flag	.2887377	.1477597	1.95	0.051	-.0008659	.5783413	
race_a	.004573	.0110541	0.41	0.679	-.0170927	.0262387	
race_b	.026113	.0035586	7.34	0.000	.0191384	.0330877	
race_h	.0138906	.0049428	2.81	0.005	.0042029	.0235783	
race_i	.0097006	.0131224	0.74	0.460	-.0160188	.0354201	
race_o	-.0126601	.0150417	-0.84	0.400	-.0421413	.0168211	
race_mis	.0099162	.0104641	0.95	0.343	-.0105932	.0304255	
tsd_edu_hs	.0067276	.0035957	1.87	0.061	-.0003198	.0137751	
tsd_edu_mrhs	.0363967	.004223	8.62	0.000	.0281197	.0446736	
tsd_edu_mis	.0171752	.0041649	4.12	0.000	.0090121	.0253383	
tsd_mie_exp	.0109566	.0078282	1.40	0.162	-.0043863	.0262995	
tsd_mie_mis	-.003377	.0042839	-0.79	0.431	-.0117733	.0050192	
tsd_mie_psbl	-.0067574	.0034712	-1.95	0.052	-.0135608	.000046	
tsd_medicare	-.0165344	.0033968	-4.87	0.000	-.023192	-.0098768	
tsd_medicare_miss	-.051164	.0123201	-4.15	0.000	-.0753109	-.0270171	
tsd_depend_1	-.0131412	.0037816	-3.48	0.001	-.020553	-.0057295	
tsd_depend_2	-.0071894	.0033177	-2.17	0.030	-.013692	-.0006868	
tsd_depend_miss	-.0255011	.0093603	-2.72	0.006	-.0438469	-.0071553	
tsd_vrpr	.0047682	.0055709	0.86	0.392	-.0061507	.015687	
tsd_vrpr_miss	-.0187939	.005046	-3.72	0.000	-.0286838	-.008904	
pdcgroup2	-.0224531	.0041737	-5.38	0.000	-.0306334	-.0142729	
pdcgroup3	.0021132	.0051464	0.41	0.681	-.0079735	.0121998	
pdcgroup4	-.0024631	.0037665	-0.65	0.513	-.0098452	.0049191	
pdcgroup5	-.0089796	.0402797	-0.22	0.824	-.0879264	.0699672	
cohort2000	.0015448	.005419	0.29	0.776	-.0090762	.0121659	
cohort2001	-.0000374	.0092845	-0.00	0.997	-.0182346	.0181599	
cohort2002	-.0016991	.0135591	-0.13	0.900	-.0282745	.0248762	
cohort2003	.0598169	.0217614	2.75	0.006	.0171654	.1024685	
cohort2004	.0373962	.0222701	1.68	0.093	-.0062524	.0810448	
award_b4_tsd	.0251501	.0089462	2.81	0.005	.0076158	.0426843	
diaward_tsd	-.0009996	.0004118	-2.43	0.015	-.0018068	-.0001925	
epeb4twp_flag	-.0787329	.0733892	-1.07	0.283	-.222573	.0651072	
ldwb4twp_flag	.3015313	.0713956	4.22	0.000	.1615985	.4414641	
ldwb4epe_flag	.5642677	.0311767	18.10	0.000	.5031626	.6253729	
twpb4tsd	.28695	.0053862	53.28	0.000	.2763932	.2975068	
epeb4tsd	.079036	.0071528	11.05	0.000	.0650168	.0930552	
ldwb4tsd	-.2375032	.0105496	-22.51	0.000	-.25818	-.2168264	
st_AL	-.024302	.0688213	-0.35	0.724	-.1591894	.1105853	
st_AR	.0111594	.0728966	0.15	0.878	-.1317153	.1540342	
st_AZ	.0131911	.0384738	0.34	0.732	-.062216	.0885983	
st_CA	.0749995	.0467058	1.61	0.108	-.0165421	.1665411	
st_CO	-.0012976	.0387063	-0.03	0.973	-.0771605	.0745653	
st_CT	.0263935	.0587295	0.45	0.653	-.0887142	.1415012	
st_DC	.2500632	.1526245	1.64	0.101	-.0490753	.5492016	
st_DE	.019095	.0394364	0.48	0.628	-.058199	.096389	
st_FL	.0082422	.0383207	0.22	0.830	-.0668649	.0833493	
st_GA	.0288005	.0502027	0.57	0.566	-.0695951	.127196	
st_HI	-.0643336	.1206673	-0.53	0.594	-.3008372	.17217	
st_IA	-.0051447	.0386924	-0.13	0.894	-.0809804	.0706911	
st_ID	.0470817	.1039967	0.45	0.651	-.156748	.2509114	
st_IL	.0097282	.0383466	0.25	0.800	-.0654297	.0848861	
st_IN	.0910945	.0623611	1.46	0.144	-.031131	.2133199	
st_KS	-.0532556	.0676535	-0.79	0.431	-.185854	.0793428	
st_KY	.0350994	.0714104	0.49	0.623	-.1048624	.1750612	
st_LA	.070968	.0895138	0.79	0.428	-.1044759	.2464119	
st_MA	.0237541	.0384192	0.62	0.536	-.0515461	.0990542	
st_MD	.000119	.0729017	0.00	0.999	-.1427657	.1430037	

st_ME	.1443626	.0934814	1.54	0.123	-.0388576	.3275829
st_MI	.0118998	.0568299	0.21	0.834	-.0994848	.1232843
st_MN	-.0157017	.0638817	-0.25	0.806	-.1409075	.1095041
st_MO	-.0147463	.0546376	-0.27	0.787	-.121834	.0923414
st_MS	.1424851	.0806151	1.77	0.077	-.0155175	.3004877
st_MT	-.1115368	.2587252	-0.43	0.666	-.6186288	.3955553
st_NC	-.0366016	.0564332	-0.65	0.517	-.1472086	.0740055
st_ND	0	(omitted)				
st_NE	-.0448445	.0700826	-0.64	0.522	-.1822039	.0925149
st_NH	.01445	.072878	0.20	0.843	-.1283884	.1572883
st_NJ	.0110247	.0519656	0.21	0.832	-.090826	.1128753
st_NM	-.0743526	.0895215	-0.83	0.406	-.2498116	.1011064
st_NV	.0016366	.0616518	0.03	0.979	-.1191988	.1224719
st_NY	0	(omitted)				
st_OH	-.0137136	.0577188	-0.24	0.812	-.1268404	.0994131
st_OK	-.0055225	.0385984	-0.14	0.886	-.081174	.070129
st_OR	-.011493	.0387	-0.30	0.766	-.0873436	.0643577
st_PA	-.0140505	.0534565	-0.26	0.793	-.1188234	.0907224
st_PR	-.0768339	.0785421	-0.98	0.328	-.2307736	.0771058
st_RI	.0687832	.104019	0.66	0.508	-.1350903	.2726566
st_SC	-.0174559	.038523	-0.45	0.650	-.0929596	.0580477
st_SD	.1688001	.1040036	1.62	0.105	-.0350432	.3726435
st_TN	.0373315	.06473	0.58	0.564	-.0895371	.1642
st_TX	-.0033565	.0523889	-0.06	0.949	-.1060369	.0993239
st_UT	-.0966141	.0935093	-1.03	0.302	-.2798891	.0866608
st_VA	.061523	.0631077	0.97	0.330	-.0621657	.1852118
st_VT	.0030914	.0401292	0.08	0.939	-.0755603	.0817431
st_WA	.0692513	.0603551	1.15	0.251	-.0490424	.187545
st_WI	-.0017873	.0384949	-0.05	0.963	-.0772358	.0736612
st_WV	-.0427826	.1206677	-0.35	0.723	-.2792869	.1937218
st_WY	-.0818244	.1848779	-0.44	0.658	-.4441785	.2805297
pial	-.0000162	.0000148	-1.10	0.272	-.0000452	.0000127
pia_miss	-.0404464	.0128389	-3.15	0.002	-.0656102	-.0152826
ime1	5.92e-06	4.90e-06	1.21	0.227	-3.69e-06	.0000155
ime_miss	-.0227458	.0073578	-3.09	0.002	-.0371668	-.0083247
_cons	.2150379	.0414716	5.19	0.000	.1337551	.2963207

Endogenous variables: ldwroll12 ldwroll24 ldwroll36 ldwroll48 mototkt
Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag

race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd
st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
st_WI st_WV st_WY pial pia_miss ime1 ime_miss imm1 imm3 imm4

(1) 12*[ldwroll12]mototkt + 12*[ldwroll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0019282	.0149784	-0.13	0.898	-.0312854 .027429

(1) 12*[ldwroll12]mototkt + 12*[ldwroll24]mototkt + 12*[ldwroll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.009964	.0245171	-0.41	0.684	-.0580166	.0380886

(1) 12*[ldwroll112]mototkt + 12*[ldwroll24]mototkt + 12*[ldwroll36]mototkt + 12*[ldwroll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0154769	.0351516	-0.44	0.660	-.0843728	.0534189

phase 1 NO NY dependent variable: eperoll, unemployment: nounemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
eperoll112	43080	95	.1572375	0.1218	5974.29	0.0000
eperoll124	43080	95	.2106108	0.1165	5681.84	0.0000
eperoll136	43080	95	.2522826	0.1161	5660.87	0.0000
eperoll148	43080	95	.2794006	0.1180	5764.66	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
eperoll112						
mototkt	-.0003028	.0006285	-0.48	0.630	-.0015346	.000929
male	.0009975	.0015822	0.63	0.528	-.0021035	.0040984
gendermiss_flag	-.0063011	.1112306	-0.06	0.955	-.224309	.2117069
tsd_age	-.0006578	.0001951	-3.37	0.001	-.0010403	-.0002754
doage2	-.0003056	.0001774	-1.72	0.085	-.0006532	.000042
doage2miss_flag	-.019666	.0908371	-0.22	0.829	-.1977035	.1583715
race_a	.007896	.0067957	1.16	0.245	-.0054233	.0212152
race_b	.0042614	.0021877	1.95	0.051	-.0000264	.0085491
race_h	-.00506	.0030386	-1.67	0.096	-.0110156	.0008956
race_i	.0023789	.0080672	0.29	0.768	-.0134324	.0181903
race_o	-.0127394	.0092471	-1.38	0.168	-.0308633	.0053845
race_mis	.0011421	.006433	0.18	0.859	-.0114662	.0137505
tsd_edu_hs	.0019724	.0022105	0.89	0.372	-.0023601	.0063049
tsd_edu_mrhs	.0099429	.0025962	3.83	0.000	.0048545	.0150312
tsd_edu_mis	.0118634	.0025604	4.63	0.000	.0068451	.0168818
tsd_mie_exp	.0001418	.0048125	0.03	0.976	-.0092905	.0095741
tsd_mie_mis	-.0013884	.0026336	-0.53	0.598	-.0065501	.0037733
tsd_mie_psbl	-.0033218	.002134	-1.56	0.120	-.0075043	.0008607
tsd_medicare	-.0067497	.0020882	-3.23	0.001	-.0108425	-.0026569
tsd_medicare_miss	-.0156023	.0075739	-2.06	0.039	-.0304469	-.0007577
tsd_depend_1	-.0064579	.0023248	-2.78	0.005	-.0110144	-.0019014
tsd_depend_2	-.0088264	.0020396	-4.33	0.000	-.0128239	-.0048288
tsd_depend_miss	-.0221649	.0057543	-3.85	0.000	-.0334432	-.0108866
tsd_vrpr	.0152857	.0034248	4.46	0.000	.0085732	.0219982
tsd_vrpr_miss	-.0004521	.0031021	-0.15	0.884	-.006532	.0056279
pdcgrou2	.0022758	.0025658	0.89	0.375	-.0027531	.0073047
pdcgrou3	-.0041725	.0031638	-1.32	0.187	-.0103734	.0020284
pdcgrou4	-.002857	.0023155	-1.23	0.217	-.0073953	.0016813
pdcgrou5	.0373291	.0247625	1.51	0.132	-.0112044	.0858627
cohort2000	-.0099964	.0033314	-3.00	0.003	-.0165258	-.003467
cohort2001	-.0083095	.0057078	-1.46	0.145	-.0194965	.0028775
cohort2002	-.0083778	.0083356	-1.01	0.315	-.0247153	.0079598

cohort2003	-.0234299	.0133781	-1.75	0.080	-.0496505	.0027907
cohort2004	-.023834	.0136908	-1.74	0.082	-.0506675	.0029995
award_b4_tsd	-.0045632	.0054998	-0.83	0.407	-.0153426	.0062162
diaward_tsd	-.0008544	.0002532	-3.37	0.001	-.0013506	-.0003582
epeb4twp_flag	.2890713	.0451169	6.41	0.000	.2006438	.3774989
ldwb4twp_flag	-.0356051	.0438913	-0.81	0.417	-.1216306	.0504203
ldwb4epe_flag	.0954323	.0191663	4.98	0.000	.0578671	.1329974
twpb4tsd	.2344886	.0033112	70.82	0.000	.2279987	.2409785
epeb4tsd	-.0928376	.0043973	-21.11	0.000	-.1014561	-.0842191
ldwb4tsd	-.0455925	.0064855	-7.03	0.000	-.0583038	-.0328812
st_AL	.0407991	.0423088	0.96	0.335	-.0421246	.1237228
st_AR	.0534063	.0448141	1.19	0.233	-.0344278	.1412403
st_AZ	.014718	.0236522	0.62	0.534	-.0316395	.0610755
st_CA	.0210481	.028713	0.73	0.464	-.0352283	.0773244
st_CO	.0092683	.0237952	0.39	0.697	-.0373694	.055906
st_CT	.0717192	.0361047	1.99	0.047	.0009553	.1424831
st_DC	-.0135497	.0938278	-0.14	0.885	-.1974489	.1703494
st_DE	.0140768	.024244	0.58	0.561	-.0334406	.0615943
st_FL	.0118803	.0235581	0.50	0.614	-.0342927	.0580534
st_GA	.0073486	.0308628	0.24	0.812	-.0531413	.0678385
st_HI	-.0106606	.0741818	-0.14	0.886	-.1560541	.134733
st_IA	.0171242	.0237867	0.72	0.472	-.0294968	.0637452
st_ID	.1048802	.0639333	1.64	0.101	-.0204267	.2301871
st_IL	.0205977	.023574	0.87	0.382	-.0256065	.066802
st_IN	-.0047385	.0383373	-0.12	0.902	-.0798782	.0704011
st_KS	.0020248	.0415908	0.05	0.961	-.0794918	.0835413
st_KY	.025868	.0439004	0.59	0.556	-.0601753	.1119112
st_LA	-.0600479	.0550298	-1.09	0.275	-.1679042	.0478085
st_MA	.0190604	.0236187	0.81	0.420	-.0272313	.0653522
st_MD	-.0361855	.0448172	-0.81	0.419	-.1240257	.0516547
st_ME	.0048646	.0574689	0.08	0.933	-.1077723	.1175016
st_MI	.0186416	.0349369	0.53	0.594	-.0498334	.0871167
st_MN	.0439444	.0392721	1.12	0.263	-.0330274	.1209162
st_MO	.0379375	.0335891	1.13	0.259	-.027896	.103771
st_MS	-.0204666	.0495591	-0.41	0.680	-.1176007	.0766675
st_MT	-.012024	.1590546	-0.08	0.940	-.3237652	.2997172
st_NC	-.0228091	.034693	-0.66	0.511	-.0908062	.045188
st_ND	0	(omitted)				
st_NE	-.0049274	.0430842	-0.11	0.909	-.0893708	.0795161
st_NH	-.0493313	.0448027	-1.10	0.271	-.137143	.0384803
st_NJ	-.0029531	.0319465	-0.09	0.926	-.0655671	.0596609
st_NM	.0048514	.0550345	0.09	0.930	-.1030142	.1127171
st_NV	-.0006392	.0379012	-0.02	0.987	-.0749243	.0736458
st_NY	0	(omitted)				
st_OH	-.0153776	.0354834	-0.43	0.665	-.0849237	.0541685
st_OK	.0128728	.0237289	0.54	0.587	-.033635	.0593805
st_OR	.0124332	.0237913	0.52	0.601	-.034197	.0590633
st_PA	-.0376297	.0328631	-1.15	0.252	-.1020402	.0267807
st_PR	.0069382	.0482847	0.14	0.886	-.0876982	.1015745
st_RI	.1074911	.063947	1.68	0.093	-.0178427	.2328249
st_SC	.0101063	.0236825	0.43	0.670	-.0363105	.0565231
st_SD	.0831055	.0639375	1.30	0.194	-.0422098	.2084208
st_TN	-.0215751	.0397936	-0.54	0.588	-.0995691	.056419
st_TX	.0097701	.0322068	0.30	0.762	-.053354	.0728942
st_UT	-.0242742	.057486	-0.42	0.673	-.1369448	.0883963
st_VA	.0086202	.0387962	0.22	0.824	-.0674191	.0846594
st_VT	.0178097	.0246699	0.72	0.470	-.0305424	.0661619
st_WA	-.0329861	.037104	-0.89	0.374	-.1057086	.0397365
st_WI	.0174794	.0236652	0.74	0.460	-.0289036	.0638623
st_WV	.0008614	.074182	0.01	0.991	-.1445326	.1462554
st_WY	-.0101589	.113656	-0.09	0.929	-.2329207	.2126029
pial	6.20e-08	9.09e-06	0.01	0.995	-.0000178	.0000179
pia_miss	-.0056198	.0078929	-0.71	0.476	-.0210896	.0098499

ime1	1.24e-06	3.01e-06	0.41	0.682	-4.67e-06	7.14e-06
ime_miss	-.0052092	.0045233	-1.15	0.249	-.0140748	.0036563
_cons	.05941	.0254952	2.33	0.020	.0094404	.1093796

eperoll24						
mototkt	-.0003578	.0008418	-0.43	0.671	-.0020077	.001292
male	.0010854	.0021192	0.51	0.609	-.0030681	.005239
gendermiss_flag	-.0165212	.1489871	-0.11	0.912	-.3085306	.2754883
tsd_age	-.0017565	.0002614	-6.72	0.000	-.0022688	-.0012442
doage2	-.000104	.0002376	-0.44	0.662	-.0005696	.0003616
doage2miss_flag	.2940555	.1216712	2.42	0.016	.0555843	.5325268
race_a	.0005844	.0091024	0.06	0.949	-.017256	.0184248
race_b	.0100196	.0029303	3.42	0.001	.0042764	.0157628
race_h	-.0015533	.0040701	-0.38	0.703	-.0095305	.0064239
race_i	-.0084331	.0108055	-0.78	0.435	-.0296116	.0127453
race_o	-.0185591	.0123859	-1.50	0.134	-.0428351	.0057169
race_mis	.0019896	.0086166	0.23	0.817	-.0148986	.0188778
tsd_edu_hs	.0040823	.0029609	1.38	0.168	-.0017208	.0098855
tsd_edu_mrhs	.0179954	.0034774	5.17	0.000	.0111798	.024811
tsd_edu_mis	.0195695	.0034296	5.71	0.000	.0128477	.0262913
tsd_mie_exp	-.0030512	.006446	-0.47	0.636	-.0156852	.0095828
tsd_mie_mis	-.0091769	.0035275	-2.60	0.009	-.0160907	-.0022631
tsd_mie_psbl	-.0094218	.0028583	-3.30	0.001	-.015024	-.0038196
tsd_medicare	-.0120611	.0027971	-4.31	0.000	-.0175432	-.006579
tsd_medicare_miss	-.0324056	.0101449	-3.19	0.001	-.0522892	-.0125221
tsd_depend_1	-.0119184	.0031139	-3.83	0.000	-.0180215	-.0058152
tsd_depend_2	-.0117563	.0027319	-4.30	0.000	-.0171108	-.0064018
tsd_depend_miss	-.0390001	.0077076	-5.06	0.000	-.0541068	-.0238935
tsd_vrpr	.0199114	.0045873	4.34	0.000	.0109204	.0289025
tsd_vrpr_miss	-.0107319	.004155	-2.58	0.010	-.0188756	-.0025881
pdcgrou2	.001455	.0034368	0.42	0.672	-.005281	.0081909
pdcgrou3	-.0064504	.0042377	-1.52	0.128	-.0147562	.0018553
pdcgrou4	-.000448	.0031015	-0.14	0.885	-.0065268	.0056307
pdcgrou5	.0292328	.0331679	0.88	0.378	-.0357751	.0942408
cohort2000	-.0177372	.0044622	-3.97	0.000	-.026483	-.0089914
cohort2001	-.0155332	.0076452	-2.03	0.042	-.0305175	-.0005489
cohort2002	-.0106646	.0111651	-0.96	0.339	-.0325478	.0112187
cohort2003	.0018954	.0179192	0.11	0.916	-.0332256	.0370164
cohort2004	-.0557579	.0183381	-3.04	0.002	-.0916999	-.0198158
award_b4_tsd	.011925	.0073667	1.62	0.105	-.0025134	.0263635
diaward_tsd	-.0012561	.0003391	-3.70	0.000	-.0019207	-.0005914
epeb4twp_flag	.302579	.0604316	5.01	0.000	.1841352	.4210227
ldwb4twp_flag	-.0761061	.05879	-1.29	0.195	-.1913324	.0391201
ldwb4epe_flag	.2869059	.0256721	11.18	0.000	.2365894	.3372223
twpb4tsd	.2822843	.0044352	63.65	0.000	.2735914	.2909771
epeb4tsd	-.1311781	.0058899	-22.27	0.000	-.1427221	-.1196341
ldwb4tsd	-.0643801	.0086869	-7.41	0.000	-.0814062	-.0473539
st_AL	.0870289	.0566702	1.54	0.125	-.0240427	.1981006
st_AR	.055176	.060026	0.92	0.358	-.0624728	.1728248
st_AZ	.0338194	.0316808	1.07	0.286	-.0282739	.0959127
st_CA	.0622667	.0384594	1.62	0.105	-.0131123	.1376457
st_CO	.0310251	.0318723	0.97	0.330	-.0314435	.0934936
st_CT	.0572638	.0483602	1.18	0.236	-.0375205	.1520481
st_DC	-.0326287	.1256771	-0.26	0.795	-.2789513	.2136939
st_DE	.0367955	.0324735	1.13	0.257	-.0268515	.1004424
st_FL	.0316568	.0315548	1.00	0.316	-.0301894	.093503
st_GA	.002785	.0413389	0.07	0.946	-.0782378	.0838078
st_HI	-.0126711	.0993623	-0.13	0.899	-.2074176	.1820754
st_IA	.0405628	.0318609	1.27	0.203	-.0218834	.103009
st_ID	.099237	.085635	1.16	0.247	-.0686045	.2670785
st_IL	.0415682	.0315761	1.32	0.188	-.0203199	.1034562
st_IN	.0232061	.0513506	0.45	0.651	-.0774393	.1238514
st_KS	.0000998	.0557086	0.00	0.999	-.109087	.1092866

st_KY	.0774054	.0588022	1.32	0.188	-.0378448	.1926555
st_LA	.0285382	.0737093	0.39	0.699	-.1159293	.1730058
st_MA	.042003	.0316359	1.33	0.184	-.0200021	.1040082
st_MD	-.0462506	.0600302	-0.77	0.441	-.1639076	.0714064
st_ME	.0034519	.0769764	0.04	0.964	-.147419	.1543228
st_MI	.0350149	.046796	0.75	0.454	-.0567035	.1267334
st_MN	.0717101	.0526027	1.36	0.173	-.0313893	.1748096
st_MO	.0292472	.0449908	0.65	0.516	-.0589331	.1174275
st_MS	.1254452	.0663817	1.89	0.059	-.0046605	.2555509
st_MT	-.0515085	.2130447	-0.24	0.809	-.4690684	.3660513
st_NC	-.0282524	.0464694	-0.61	0.543	-.1193307	.0628258
st_ND	0	(omitted)				
st_NE	-.0009021	.0577088	-0.02	0.988	-.1140094	.1122051
st_NH	-.0554199	.0600107	-0.92	0.356	-.1730387	.0621989
st_NJ	.0107195	.0427905	0.25	0.802	-.0731484	.0945874
st_NM	.0058981	.0737156	0.08	0.936	-.1385818	.1503781
st_NV	-.012156	.0507666	-0.24	0.811	-.1116567	.0873447
st_NY	0	(omitted)				
st_OH	.0077252	.047528	0.16	0.871	-.0854279	.1008783
st_OK	.0217918	.0317835	0.69	0.493	-.0405027	.0840863
st_OR	.028337	.0318671	0.89	0.374	-.0341215	.0907955
st_PA	-.0260412	.0440183	-0.59	0.554	-.1123154	.060233
st_PR	-.0004034	.0646747	-0.01	0.995	-.1271635	.1263567
st_RI	.0897964	.0856534	1.05	0.294	-.0780812	.2576739
st_SC	.0218285	.0317214	0.69	0.491	-.0403442	.0840013
st_SD	.0765377	.0856407	0.89	0.371	-.091315	.2443905
st_TN	.0126482	.0533013	0.24	0.812	-.0918205	.1171168
st_TX	.025755	.0431391	0.60	0.550	-.0587962	.1103061
st_UT	.0714018	.0769993	0.93	0.354	-.0795141	.2223177
st_VA	.0016688	.0519654	0.03	0.974	-.1001815	.103519
st_VT	.0401485	.033044	1.22	0.224	-.0246164	.1049135
st_WA	-.0454866	.0496988	-0.92	0.360	-.1428944	.0519212
st_WI	.0312499	.0316982	0.99	0.324	-.0308775	.0933772
st_WV	-.0087479	.0993626	-0.09	0.930	-.203495	.1859992
st_WY	-.0178118	.1522359	-0.12	0.907	-.3161887	.2805651
pial	9.04e-06	.0000122	0.74	0.458	-.0000148	.0000329
pia_miss	.0023877	.0105721	0.23	0.821	-.0183332	.0231086
ime1	-1.40e-06	4.04e-06	-0.35	0.729	-9.31e-06	6.51e-06
ime_miss	-.0191735	.0060587	-3.16	0.002	-.0310484	-.0072986
_cons	.1159268	.0341494	3.39	0.001	.0489953	.1828583

eperoll36

mototkt	-.0002843	.0010083	-0.28	0.778	-.0022606	.001692
male	-.0024453	.0025385	-0.96	0.335	-.0074207	.0025301
gendermiss_flag	-.0288239	.178466	-0.16	0.872	-.3786108	.3209631
tsd_age	-.0028249	.0003131	-9.02	0.000	-.0034386	-.0022112
doage2	-.0001285	.0002846	-0.45	0.652	-.0006862	.0004292
doage2miss_flag	.2741655	.1457453	1.88	0.060	-.0114901	.5598211
race_a	.0040349	.0109034	0.37	0.711	-.0173354	.0254052
race_b	.0181155	.0035101	5.16	0.000	.0112359	.0249951
race_h	-.0008384	.0048754	-0.17	0.863	-.010394	.0087172
race_i	-.0065902	.0129435	-0.51	0.611	-.031959	.0187787
race_o	-.0259348	.0148366	-1.75	0.080	-.0550141	.0031444
race_mis	.0018685	.0103215	0.18	0.856	-.0183612	.0220983
tsd_edu_hs	.0038988	.0035467	1.10	0.272	-.0030526	.0108502
tsd_edu_mrhs	.0238305	.0041654	5.72	0.000	.0156664	.0319946
tsd_edu_mis	.0200012	.0041081	4.87	0.000	.0119494	.028053
tsd_mie_exp	-.0083728	.0077215	-1.08	0.278	-.0235065	.006761
tsd_mie_mis	-.0102505	.0042255	-2.43	0.015	-.0185323	-.0019687
tsd_mie_psbl	-.0153737	.0034239	-4.49	0.000	-.0220844	-.008663
tsd_medicare	-.0152334	.0033505	-4.55	0.000	-.0218002	-.0086666
tsd_medicare_miss	-.0480814	.0121521	-3.96	0.000	-.0718991	-.0242636
tsd_depend_1	-.0151385	.00373	-4.06	0.000	-.0224492	-.0078278

tsd_depend_2	-.0118078	.0032725	-3.61	0.000	-.0182218	-.0053939
tsd_depend_miss	-.0416985	.0092327	-4.52	0.000	-.0597942	-.0236028
tsd_vrpr	.0078294	.005495	1.42	0.154	-.0029406	.0185994
tsd_vrpr_miss	-.0408059	.0049772	-8.20	0.000	-.050561	-.0310508
pdcgrou2	-.0035225	.0041168	-0.86	0.392	-.0115912	.0045463
pdcgrou3	-.0086904	.0050762	-1.71	0.087	-.0186396	.0012588
pdcgrou4	-.0060282	.0037151	-1.62	0.105	-.0133098	.0012533
pdcgrou5	.0148497	.0397306	0.37	0.709	-.0630208	.0927203
cohort2000	-.0115745	.0053451	-2.17	0.030	-.0220508	-.0010982
cohort2001	-.0069392	.0091579	-0.76	0.449	-.0248884	.01101
cohort2002	-.001188	.0133743	-0.09	0.929	-.0274011	.025025
cohort2003	.0738771	.0214647	3.44	0.001	.031807	.1159472
cohort2004	-.0096035	.0219665	-0.44	0.662	-.052657	.0334501
award_b4_tsd	.0241062	.0088243	2.73	0.006	.006811	.0414015
diaward_tsd	-.0010941	.0004062	-2.69	0.007	-.0018902	-.0002979
epeb4twp_flag	.3108136	.0723887	4.29	0.000	.1689344	.4526929
ldwb4twp_flag	-.1113666	.0704223	-1.58	0.114	-.2493918	.0266585
ldwb4epe_flag	.4357228	.0307517	14.17	0.000	.3754507	.495995
twpb4tsd	.309482	.0053128	58.25	0.000	.2990692	.3198949
epeb4tsd	-.1657836	.0070553	-23.50	0.000	-.1796117	-.1519555
ldwb4tsd	-.0810135	.0104058	-7.79	0.000	-.1014084	-.0606185
st_AL	.0839523	.0678831	1.24	0.216	-.0490962	.2170008
st_AR	.0521422	.0719028	0.73	0.468	-.0887848	.1930692
st_AZ	.0661192	.0379493	1.74	0.081	-.00826	.1404984
st_CA	.0815128	.046069	1.77	0.077	-.0087808	.1718065
st_CO	.0513128	.0381786	1.34	0.179	-.0235159	.1261415
st_CT	.0453519	.0579289	0.78	0.434	-.0681866	.1588904
st_DC	-.0441438	.1505438	-0.29	0.769	-.3392043	.2509166
st_DE	.0662578	.0388988	1.70	0.089	-.0099824	.142498
st_FL	.0521014	.0377982	1.38	0.168	-.0219818	.1261846
st_GA	.0479425	.0495183	0.97	0.333	-.0491116	.1449967
st_HI	-.0143114	.1190223	-0.12	0.904	-.2475908	.218968
st_IA	.0581156	.038165	1.52	0.128	-.0166863	.1329176
st_ID	.0949281	.1025789	0.93	0.355	-.1061229	.2959791
st_IL	.0644774	.0378238	1.70	0.088	-.0096559	.1386107
st_IN	.0556864	.0615109	0.91	0.365	-.0648728	.1762456
st_KS	.0460216	.0667312	0.69	0.490	-.0847691	.1768123
st_KY	.0762678	.0704369	1.08	0.279	-.0617859	.2143216
st_LA	.0272576	.0882935	0.31	0.758	-.1457946	.2003097
st_MA	.0656479	.0378954	1.73	0.083	-.0086257	.1399215
st_MD	.0038358	.0719079	0.05	0.957	-.1371011	.1447726
st_ME	-.002932	.092207	-0.03	0.975	-.1836545	.1777905
st_MI	.0226788	.0560551	0.40	0.686	-.0871872	.1325449
st_MN	.0610119	.0630108	0.97	0.333	-.062487	.1845108
st_MO	.040879	.0538927	0.76	0.448	-.0647488	.1465068
st_MS	.1139124	.0795161	1.43	0.152	-.0419362	.2697611
st_MT	-.0876085	.2551981	-0.34	0.731	-.5877875	.4125705
st_NC	.0189345	.0556639	0.34	0.734	-.0901648	.1280337
st_ND	0	(omitted)				
st_NE	.0048047	.0691272	0.07	0.945	-.1306822	.1402915
st_NH	-.0009722	.0718845	-0.01	0.989	-.1418633	.1399189
st_NJ	.0647626	.0512571	1.26	0.206	-.0356995	.1652248
st_NM	.007068	.0883011	0.08	0.936	-.1659991	.180135
st_NV	.0511936	.0608113	0.84	0.400	-.0679944	.1703817
st_NY	0	(omitted)				
st_OH	.0058827	.0569319	0.10	0.918	-.1057018	.1174672
st_OK	.0448356	.0380722	1.18	0.239	-.0297846	.1194558
st_OR	.0442113	.0381724	1.16	0.247	-.0306053	.1190279
st_PA	-.0149145	.0527278	-0.28	0.777	-.118259	.0884301
st_PR	-.0151684	.0774713	-0.20	0.845	-.1670095	.1366727
st_RI	.0737176	.1026009	0.72	0.472	-.1273765	.2748117
st_SC	.0376853	.0379978	0.99	0.321	-.036789	.1121597
st_SD	.2179649	.1025858	2.12	0.034	.0169005	.4190293

st_TN	.0472027	.0638476	0.74	0.460	-.0779363	.1723417
st_TX	.0202206	.0516747	0.39	0.696	-.08106	.1215012
st_UT	.0534842	.0922346	0.58	0.562	-.1272922	.2342606
st_VA	-.0054385	.0622473	-0.09	0.930	-.1274411	.116564
st_VT	.0529721	.0395821	1.34	0.181	-.0246074	.1305516
st_WA	-.0222889	.0595323	-0.37	0.708	-.1389699	.0943922
st_WI	.0508265	.0379701	1.34	0.181	-.0235935	.1252464
st_WV	-.0212532	.1190227	-0.18	0.858	-.2545334	.2120269
st_WY	-.0231781	.1823576	-0.13	0.899	-.3805923	.3342362
pial	.0000243	.0000146	1.67	0.095	-4.26e-06	.0000529
pia_miss	-.0022133	.0126639	-0.17	0.861	-.0270341	.0226074
ime1	-6.00e-06	4.84e-06	-1.24	0.215	-.0000155	3.48e-06
ime_miss	-.0375177	.0072575	-5.17	0.000	-.0517422	-.0232932
_cons	.1783686	.0409062	4.36	0.000	.0981939	.2585433

eperoll48

mototkt	.0000569	.0011167	0.05	0.959	-.0021319	.0022456
male	-.0014978	.0028114	-0.53	0.594	-.0070081	.0040124
gendermiss_flag	-.0411837	.1976494	-0.21	0.835	-.4285694	.346202
tsd_age	-.0035473	.0003468	-10.23	0.000	-.004227	-.0028677
doage2	-.0002591	.0003151	-0.82	0.411	-.0008768	.0003586
doage2miss_flag	.2574808	.1614116	1.60	0.111	-.05888	.5738416
race_a	-.0016301	.0120754	-0.13	0.893	-.0252976	.0220373
race_b	.0222919	.0038874	5.73	0.000	.0146728	.0299109
race_h	-.0023769	.0053995	-0.44	0.660	-.0129596	.0082059
race_i	-.0061966	.0143348	-0.43	0.666	-.0342924	.0218991
race_o	-.0373381	.0164314	-2.27	0.023	-.0695431	-.0051331
race_mis	.0004448	.011431	0.04	0.969	-.0219595	.022849
tsd_edu_hs	.0055325	.0039279	1.41	0.159	-.0021661	.0132311
tsd_edu_mrhs	.0278886	.0046132	6.05	0.000	.0188469	.0369303
tsd_edu_mis	.0214967	.0045497	4.72	0.000	.0125794	.0304141
tsd_mie_exp	-.0002432	.0085514	-0.03	0.977	-.0170037	.0165173
tsd_mie_mis	-.0089591	.0046797	-1.91	0.056	-.0181311	.0002129
tsd_mie_psbl	-.0155663	.0037919	-4.11	0.000	-.0229983	-.0081343
tsd_medicare	-.0172682	.0037106	-4.65	0.000	-.0245409	-.0099955
tsd_medicare_miss	-.0632424	.0134584	-4.70	0.000	-.0896203	-.0368645
tsd_depend_1	-.0168206	.004131	-4.07	0.000	-.0249171	-.0087241
tsd_depend_2	-.0081434	.0036242	-2.25	0.025	-.0152468	-.0010401
tsd_depend_miss	-.057707	.0102251	-5.64	0.000	-.0777478	-.0376661
tsd_vrpr	-.0053239	.0060857	-0.87	0.382	-.0172516	.0066037
tsd_vrpr_miss	-.0674564	.0055122	-12.24	0.000	-.0782601	-.0566527
pdcgrou2	-.0086941	.0045593	-1.91	0.057	-.0176302	.0002419
pdcgrou3	-.0113491	.0056218	-2.02	0.044	-.0223677	-.0003305
pdcgrou4	-.010151	.0041145	-2.47	0.014	-.0182153	-.0020868
pdcgrou5	.0258171	.0440013	0.59	0.557	-.0604238	.112058
cohort2000	-.0085174	.0059197	-1.44	0.150	-.0201197	.003085
cohort2001	-.0023681	.0101423	-0.23	0.815	-.0222467	.0175104
cohort2002	-.0048228	.0148119	-0.33	0.745	-.0338535	.024208
cohort2003	.0946685	.023772	3.98	0.000	.0480762	.1412607
cohort2004	.0104362	.0243277	0.43	0.668	-.0372452	.0581176
award_b4_tsd	.0395691	.0097728	4.05	0.000	.0204148	.0587235
diaward_tsd	-.0011766	.0004499	-2.62	0.009	-.0020583	-.0002948
epeb4twp_flag	.3150898	.0801698	3.93	0.000	.1579599	.4722196
ldwb4twp_flag	-.1395123	.077992	-1.79	0.074	-.2923739	.0133492
ldwb4epe_flag	.5467574	.0340572	16.05	0.000	.4800066	.6135083
twpb4tsd	.3209443	.0058838	54.55	0.000	.3094122	.3324764
epeb4tsd	-.1907269	.0078136	-24.41	0.000	-.2060413	-.1754124
ldwb4tsd	-.0919419	.0115243	-7.98	0.000	-.1145291	-.0693547
st_AL	.077107	.0751799	1.03	0.305	-.0702429	.224457
st_AR	.0484706	.0796317	0.61	0.543	-.1076046	.2045459
st_AZ	.0849643	.0420284	2.02	0.043	.0025901	.1673385
st_CA	.079886	.051021	1.57	0.117	-.0201133	.1798854
st_CO	.0655362	.0422825	1.55	0.121	-.0173359	.1484083

st_CT	.128661	.0641557	2.01	0.045	.0029182	.2544038
st_DC	-.0529171	.1667258	-0.32	0.751	-.3796938	.2738595
st_DE	.0802935	.04308	1.86	0.062	-.0041418	.1647288
st_FL	.0702538	.0418612	1.68	0.093	-.0117926	.1523003
st_GA	.0778278	.0548411	1.42	0.156	-.0296588	.1853143
st_HI	-.0144478	.1318161	-0.11	0.913	-.2728025	.243907
st_IA	.0725148	.0422673	1.72	0.086	-.0103277	.1553572
st_ID	.0932978	.1136052	0.82	0.412	-.1293643	.3159598
st_IL	.0799783	.0418895	1.91	0.056	-.0021237	.1620802
st_IN	.0514932	.0681228	0.76	0.450	-.082025	.1850114
st_KS	.0919939	.0739041	1.24	0.213	-.0528556	.2368433
st_KY	.0756479	.0780082	0.97	0.332	-.0772453	.2285412
st_LA	.02862	.0977842	0.29	0.770	-.1630336	.2202736
st_MA	.0874376	.0419688	2.08	0.037	.0051803	.1696949
st_MD	-.0011415	.0796373	-0.01	0.989	-.1572277	.1549447
st_ME	-.0100076	.1021184	-0.10	0.922	-.210156	.1901409
st_MI	.0413247	.0620805	0.67	0.506	-.0803509	.1630003
st_MN	.052845	.0697839	0.76	0.449	-.0839288	.1896189
st_MO	.0560608	.0596857	0.94	0.348	-.060921	.1730426
st_MS	.1037689	.0880633	1.18	0.239	-.0688319	.2763698
st_MT	-.1219069	.2826294	-0.43	0.666	-.6758504	.4320367
st_NC	.0155281	.0616472	0.25	0.801	-.1052982	.1363544
st_ND	0	(omitted)				
st_NE	.0608946	.0765577	0.80	0.426	-.0891558	.210945
st_NH	-.0030709	.0796114	-0.04	0.969	-.1591064	.1529646
st_NJ	.0615379	.0567668	1.08	0.278	-.049723	.1727988
st_NM	.0092241	.0977927	0.09	0.925	-.182446	.2008941
st_NV	.0440633	.067348	0.65	0.513	-.0879363	.176063
st_NY	0	(omitted)				
st_OH	.0028484	.0630516	0.05	0.964	-.1207304	.1264272
st_OK	.0603737	.0421646	1.43	0.152	-.0222674	.1430148
st_OR	.0619789	.0422756	1.47	0.143	-.0208797	.1448376
st_PA	-.0222391	.0583955	-0.38	0.703	-.1366923	.092214
st_PR	-.0164068	.0857988	-0.19	0.848	-.1845693	.1517557
st_RI	.2065865	.1136295	1.82	0.069	-.0161233	.4292963
st_SC	.0500019	.0420822	1.19	0.235	-.0324777	.1324815
st_SD	.2190467	.1136128	1.93	0.054	-.0036302	.4417236
st_TN	.1240588	.0707106	1.75	0.079	-.0145314	.262649
st_TX	.0179342	.0572293	0.31	0.754	-.0942331	.1301015
st_UT	.0428648	.1021489	0.42	0.675	-.1573433	.243073
st_VA	-.0118317	.0689383	-0.17	0.864	-.1469484	.123285
st_VT	.0846869	.0438368	1.93	0.053	-.0012317	.1706054
st_WA	-.0290875	.0659314	-0.44	0.659	-.1583107	.1001356
st_WI	.0693521	.0420515	1.65	0.099	-.0130673	.1517715
st_WV	-.0283301	.1318165	-0.21	0.830	-.2866856	.2300255
st_WY	-.0295521	.2019593	-0.15	0.884	-.425385	.3662808
pial	.0000348	.0000162	2.16	0.031	3.16e-06	.0000665
pia_miss	.0142451	.0140251	1.02	0.310	-.0132437	.0417339
ime1	-.0000105	5.35e-06	-1.96	0.050	-.000021	-1.53e-08
ime_miss	-.055641	.0080376	-6.92	0.000	-.0713945	-.0398875
_cons	.2296685	.0453032	5.07	0.000	.1408758	.3184612

Endogenous variables: eperoll12 eperoll24 eperoll36 eperoll48 mototkt
Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
ebeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd ebeb4tsd ldwb4tsd
st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK

st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
 st_WI st_WV st_WY pial pia_miss ime1 ime_miss imm1 imm3 imm4

(1) 12*[eperoll12]mototkt + 12*[eperoll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0079277	.0162832	-0.49	0.626	-.0398421	.0239867

(1) 12*[eperoll12]mototkt + 12*[eperoll24]mototkt + 12*[eperoll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0113392	.0265481	-0.43	0.669	-.0633725	.040694

(1) 12*[eperoll12]mototkt + 12*[eperoll24]mototkt + 12*[eperoll36]mototkt + 12*[eperoll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0106568	.0380378	-0.28	0.779	-.0852096	.063896

phase 1 NO NY dependent variable: twproll, unemployment: nounemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
twproll12	43080	95	.1992181	0.0263	1163.49	0.0000
twproll24	43080	95	.2528987	0.0426	1914.76	0.0000
twproll36	43080	95	.2861043	0.0544	2477.93	0.0000
twproll48	43080	95	.308311	0.0634	2913.53	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
twproll12						
mototkt	.0005662	.0007962	0.71	0.477	-.0009945	.0021268
male	-.0015867	.0020046	-0.79	0.429	-.0055156	.0023422
gendermiss_flag	-.0322616	.1409279	-0.23	0.819	-.3084751	.243952
tsd_age	-.0016769	.0002472	-6.78	0.000	-.0021615	-.0011923
doage2	.0000172	.0002247	0.08	0.939	-.0004232	.0004576
doage2miss_flag	-.0470789	.1150896	-0.41	0.682	-.2726503	.1784926
race_a	.0006636	.00861	0.08	0.939	-.0162117	.017539
race_b	.0057587	.0027718	2.08	0.038	.0003262	.0111913
race_h	.0023441	.0038499	0.61	0.543	-.0052016	.0098898
race_i	-.0158139	.010221	-1.55	0.122	-.0358467	.0042189
race_o	-.0220241	.0117159	-1.88	0.060	-.0449869	.0009386
race_mis	.0059253	.0081505	0.73	0.467	-.0100494	.0219
tsd_edu_hs	.0019702	.0028007	0.70	0.482	-.003519	.0074595
tsd_edu_mrhs	.0165618	.0032893	5.04	0.000	.0101149	.0230087
tsd_edu_mis	.0065433	.0032441	2.02	0.044	.0001851	.0129015
tsd_mie_exp	.0044051	.0060973	0.72	0.470	-.0075455	.0163557
tsd_mie_mis	-.0093144	.0033367	-2.79	0.005	-.0158542	-.0027746

tsd_mie_psbl	.0030549	.0027037	1.13	0.259	-.0022443	.008354
tsd_medicare	-.0157188	.0026458	-5.94	0.000	-.0209043	-.0105332
tsd_medicare_miss	-.0355939	.0095961	-3.71	0.000	-.0544019	-.016786
tsd_depend_1	-.0088716	.0029455	-3.01	0.003	-.0146445	-.0030986
tsd_depend_2	-.000423	.0025842	-0.16	0.870	-.0054879	.0046418
tsd_depend_miss	-.0301665	.0072907	-4.14	0.000	-.044456	-.0158771
tsd_vrpr	-.0122442	.0043392	-2.82	0.005	-.0207489	-.0037396
tsd_vrpr_miss	-.0355635	.0039303	-9.05	0.000	-.0432667	-.0278603
pdcgrou2	-.0176893	.0032509	-5.44	0.000	-.0240608	-.0113177
pdcgrou3	-.013525	.0040085	-3.37	0.001	-.0213815	-.0056685
pdcgrou4	-.012745	.0029337	-4.34	0.000	-.0184949	-.0069951
pdcgrou5	-.004026	.0313738	-0.13	0.898	-.0655174	.0574655
cohort2000	-.0110078	.0042208	-2.61	0.009	-.0192805	-.0027351
cohort2001	-.0181307	.0072317	-2.51	0.012	-.0323045	-.003957
cohort2002	-.0142875	.0105612	-1.35	0.176	-.0349869	.006412
cohort2003	-.0345773	.0169499	-2.04	0.041	-.0677985	-.0013561
cohort2004	-.0437232	.0173461	-2.52	0.012	-.0777209	-.0097254
award_b4_tsd	.0124183	.0069682	1.78	0.075	-.0012391	.0260757
diaward_tsd	-.0008691	.0003208	-2.71	0.007	-.0014979	-.0002404
epeb4twp_flag	.0255947	.0571626	0.45	0.654	-.086442	.1376313
ldwb4twp_flag	.0044108	.0556098	0.08	0.937	-.1045824	.1134041
ldwb4epe_flag	.1367671	.0242834	5.63	0.000	.0891725	.1843618
twpb4tsd	-.0474404	.0041953	-11.31	0.000	-.055663	-.0392178
epeb4tsd	-.0333051	.0055713	-5.98	0.000	-.0442246	-.0223856
ldwb4tsd	-.0136247	.008217	-1.66	0.097	-.0297298	.0024804
st_AL	.0407079	.0536047	0.76	0.448	-.0643555	.1457713
st_AR	-.0023028	.056779	-0.04	0.968	-.1135875	.1089819
st_AZ	.0371114	.0299671	1.24	0.216	-.021623	.0958459
st_CA	.0462602	.036379	1.27	0.204	-.0250413	.1175617
st_CO	.0375977	.0301482	1.25	0.212	-.0214917	.0966871
st_CT	-.0066138	.0457442	-0.14	0.885	-.0962708	.0830433
st_DC	-.0202339	.1188788	-0.17	0.865	-.253232	.2127641
st_DE	.0476201	.0307169	1.55	0.121	-.012584	.1078241
st_FL	.0399845	.0298478	1.34	0.180	-.0185162	.0984852
st_GA	.0629742	.0391028	1.61	0.107	-.0136658	.1396142
st_HI	-.0152387	.0939874	-0.16	0.871	-.1994506	.1689733
st_IA	.0382923	.0301374	1.27	0.204	-.0207759	.0973606
st_ID	.0065622	.0810027	0.08	0.935	-.1522002	.1653245
st_IL	.0425602	.029868	1.42	0.154	-.0159801	.1011004
st_IN	.0000735	.0485729	0.00	0.999	-.0951276	.0952745
st_KS	-.0004732	.0526951	-0.01	0.993	-.1037537	.1028072
st_KY	.0569124	.0556213	1.02	0.306	-.0521034	.1659282
st_LA	.1114465	.0697221	1.60	0.110	-.0252062	.2480993
st_MA	.0449614	.0299246	1.50	0.133	-.0136896	.1036125
st_MD	-.0069773	.0567829	-0.12	0.902	-.1182698	.1043152
st_ME	-.0059831	.0728124	-0.08	0.935	-.1486928	.1367266
st_MI	.0534477	.0442646	1.21	0.227	-.0333093	.1402048
st_MN	.0333513	.0497572	0.67	0.503	-.0641711	.1308737
st_MO	.0458324	.0425571	1.08	0.281	-.0375779	.1292427
st_MS	.069346	.0627908	1.10	0.269	-.0537218	.1924138
st_MT	-.0691258	.2015203	-0.34	0.732	-.4640983	.3258467
st_NC	.027717	.0439557	0.63	0.528	-.0584345	.1138685
st_ND	0	(omitted)				
st_NE	.0113008	.0545871	0.21	0.836	-.095688	.1182897
st_NH	.0133332	.0567645	0.23	0.814	-.0979232	.1245895
st_NJ	.018089	.0404758	0.45	0.655	-.0612422	.0974202
st_NM	.0922162	.0697281	1.32	0.186	-.0444483	.2288807
st_NV	.0287607	.0480204	0.60	0.549	-.0653576	.122879
st_NY	0	(omitted)				
st_OH	.0233567	.044957	0.52	0.603	-.0647574	.1114708
st_OK	.0317956	.0300642	1.06	0.290	-.0271291	.0907204
st_OR	.0292769	.0301433	0.97	0.331	-.029803	.0883567
st_PA	.0035182	.0416371	0.08	0.933	-.0780891	.0851255

st_PR	.0324095	.0611762	0.53	0.596	-.0874937	.1523126
st_RI	-.0099987	.0810201	-0.12	0.902	-.1687951	.1487977
st_SC	.0247011	.0300054	0.82	0.410	-.0341085	.0835107
st_SD	.0190725	.0810081	0.24	0.814	-.1397004	.1778455
st_TN	.0301302	.050418	0.60	0.550	-.0686873	.1289478
st_TX	.0025435	.0408056	0.06	0.950	-.077434	.0825209
st_UT	.0069185	.0728341	0.09	0.924	-.1358338	.1496708
st_VA	.0035925	.0491544	0.07	0.942	-.0927484	.0999333
st_VT	.0493172	.0312565	1.58	0.115	-.0119444	.1105788
st_WA	-.003969	.0470104	-0.08	0.933	-.0961077	.0881696
st_WI	.031595	.0299835	1.05	0.292	-.0271716	.0903616
st_WV	-.0039162	.0939877	-0.04	0.967	-.1881287	.1802964
st_WY	-.0267357	.1440009	-0.19	0.853	-.3089722	.2555009
pial	.0000321	.0000115	2.79	0.005	9.54e-06	.0000547
pia_miss	.0309878	.0100002	3.10	0.002	.0113878	.0505879
ime1	-.000012	3.82e-06	-3.13	0.002	-.0000195	-4.48e-06
ime_miss	-.0322462	.005731	-5.63	0.000	-.0434787	-.0210137
_cons	.1297654	.0323021	4.02	0.000	.0664545	.1930764

twproll24

mototkt	.0005527	.0010108	0.55	0.585	-.0014284	.0025339
male	-.0031161	.0025447	-1.22	0.221	-.0081037	.0018714
gendermiss_flag	-.0531978	.1789018	-0.30	0.766	-.4038388	.2974433
tsd_age	-.0028021	.0003139	-8.93	0.000	-.0034173	-.002187
doage2	-.000118	.0002852	-0.41	0.679	-.0006771	.0004411
doage2miss_flag	-.0772555	.1461012	-0.53	0.597	-.3636086	.2090976
race_a	.0043966	.0109301	0.40	0.688	-.017026	.0258191
race_b	.0110948	.0035186	3.15	0.002	.0041984	.0179912
race_h	.0014046	.0048873	0.29	0.774	-.0081743	.0109835
race_i	-.0181896	.0129751	-1.40	0.161	-.0436204	.0072411
race_o	-.0276945	.0148729	-1.86	0.063	-.0568448	.0014557
race_mis	.0013521	.0103467	0.13	0.896	-.0189271	.0216312
tsd_edu_hs	.0051459	.0035554	1.45	0.148	-.0018225	.0121143
tsd_edu_mrhs	.0232177	.0041756	5.56	0.000	.0150337	.0314018
tsd_edu_mis	.008265	.0041182	2.01	0.045	.0001935	.0163365
tsd_mie_exp	-.0005352	.0077403	-0.07	0.945	-.0157059	.0146356
tsd_mie_mis	-.0074362	.0042358	-1.76	0.079	-.0157382	.0008658
tsd_mie_psbl	.0026809	.0034322	0.78	0.435	-.0040462	.009408
tsd_medicare	-.0228143	.0033587	-6.79	0.000	-.0293972	-.0162314
tsd_medicare_miss	-.0592969	.0121818	-4.87	0.000	-.0831728	-.035421
tsd_depend_1	-.0083882	.0037391	-2.24	0.025	-.0157167	-.0010596
tsd_depend_2	-.0005364	.0032805	-0.16	0.870	-.006966	.0058932
tsd_depend_miss	-.0485018	.0092552	-5.24	0.000	-.0666417	-.0303619
tsd_vrpr	-.038455	.0055084	-6.98	0.000	-.0492513	-.0276587
tsd_vrpr_miss	-.0751852	.0049893	-15.07	0.000	-.0849641	-.0654063
pdcgrou2	-.0275481	.0041268	-6.68	0.000	-.0356365	-.0194597
pdcgrou3	-.0233588	.0050886	-4.59	0.000	-.0333323	-.0133853
pdcgrou4	-.0221473	.0037242	-5.95	0.000	-.0294466	-.014848
pdcgrou5	.0025464	.0398276	0.06	0.949	-.0755143	.0806071
cohort2000	-.0111197	.0053582	-2.08	0.038	-.0216215	-.0006178
cohort2001	-.0163501	.0091803	-1.78	0.075	-.0343431	.0016429
cohort2002	-.0135065	.0134069	-1.01	0.314	-.0397836	.0127705
cohort2003	.006428	.0215172	0.30	0.765	-.0357448	.0486009
cohort2004	-.0508209	.0220201	-2.31	0.021	-.0939795	-.0076622
award_b4_tsd	.0264383	.0088458	2.99	0.003	.0091008	.0437758
diaward_tsd	-.0009097	.0004072	-2.23	0.025	-.0017079	-.0001116
epeb4twp_flag	.0639458	.0725654	0.88	0.378	-.0782799	.2061714
ldwb4twp_flag	.0128639	.0705942	0.18	0.855	-.1254983	.1512261
ldwb4epe_flag	.2694032	.0308268	8.74	0.000	.2089839	.3298225
twpb4tsd	-.0786196	.0053257	-14.76	0.000	-.0890579	-.0681814
epeb4tsd	-.0560575	.0070725	-7.93	0.000	-.0699193	-.0421956
ldwb4tsd	-.0246154	.0104312	-2.36	0.018	-.0450601	-.0041707
st_AL	.0325486	.0680489	0.48	0.632	-.1008248	.1659219

st_AR	.0557982	.0720784	0.77	0.439	-.0854729	.1970693
st_AZ	.0762343	.0380419	2.00	0.045	.0016735	.1507951
st_CA	.0589368	.0461815	1.28	0.202	-.0315773	.1494509
st_CO	.0633278	.0382718	1.65	0.098	-.0116837	.1383392
st_CT	.0480284	.0580703	0.83	0.408	-.0657873	.1618442
st_DC	-.0290868	.1509114	-0.19	0.847	-.3248678	.2666941
st_DE	.0762204	.0389938	1.95	0.051	-.000206	.1526468
st_FL	.0666978	.0378905	1.76	0.078	-.0075663	.1409619
st_GA	.0935239	.0496392	1.88	0.060	-.0037672	.190815
st_HI	-.0217822	.1193129	-0.18	0.855	-.2556313	.2120668
st_IA	.0595633	.0382581	1.56	0.119	-.0154212	.1345479
st_ID	.0136205	.1028294	0.13	0.895	-.1879214	.2151624
st_IL	.0694825	.0379162	1.83	0.067	-.0048318	.1437968
st_IN	.0386892	.0616611	0.63	0.530	-.0821644	.1595427
st_KS	.0454468	.0668941	0.68	0.497	-.0856632	.1765569
st_KY	.0588249	.0706089	0.83	0.405	-.079566	.1972157
st_LA	.122782	.0885091	1.39	0.165	-.0506927	.2962567
st_MA	.075246	.0379879	1.98	0.048	.000791	.149701
st_MD	-.0100165	.0720834	-0.14	0.889	-.1512974	.1312645
st_ME	-.0104892	.0924322	-0.11	0.910	-.191653	.1706746
st_MI	.0491528	.056192	0.87	0.382	-.0609815	.1592872
st_MN	.0691187	.0631647	1.09	0.274	-.0546818	.1929191
st_MO	.0439572	.0540243	0.81	0.416	-.0619285	.149843
st_MS	.0647831	.0797102	0.81	0.416	-.0914461	.2210122
st_MT	-.1264142	.2558212	-0.49	0.621	-.6278146	.3749862
st_NC	.0543329	.0557998	0.97	0.330	-.0550328	.1636985
st_ND	0	(omitted)				
st_NE	.0204511	.069296	0.30	0.768	-.1153666	.1562688
st_NH	.0214358	.07206	0.30	0.766	-.1197993	.1626709
st_NJ	.0754067	.0513823	1.47	0.142	-.0253008	.1761141
st_NM	.0907143	.0885167	1.02	0.305	-.0827753	.2642039
st_NV	.0232237	.0609598	0.38	0.703	-.0962554	.1427028
st_NY	0	(omitted)				
st_OH	.0215756	.0570709	0.38	0.705	-.0902814	.1334326
st_OK	.0544266	.0381652	1.43	0.154	-.0203758	.129229
st_OR	.05089	.0382656	1.33	0.184	-.0241093	.1258893
st_PA	.0231436	.0528565	0.44	0.661	-.0804533	.1267406
st_PR	.0405864	.0776605	0.52	0.601	-.1116254	.1927982
st_RI	.122089	.1028514	1.19	0.235	-.0794961	.3236741
st_SC	.0447905	.0380906	1.18	0.240	-.0298657	.1194467
st_SD	.0326427	.1028363	0.32	0.751	-.1689127	.234198
st_TN	.108114	.0640035	1.69	0.091	-.0173305	.2335586
st_TX	.0038374	.0518009	0.07	0.941	-.0976905	.1053653
st_UT	.1107809	.0924598	1.20	0.231	-.070437	.2919987
st_VA	.0406523	.0623993	0.65	0.515	-.0816481	.1629528
st_VT	.0682126	.0396788	1.72	0.086	-.0095563	.1459815
st_WA	-.0085656	.0596776	-0.14	0.886	-.1255315	.1084004
st_WI	.0554314	.0380628	1.46	0.145	-.0191703	.1300331
st_WV	-.0160283	.1193133	-0.13	0.893	-.2498781	.2178215
st_WY	-.0385113	.1828028	-0.21	0.833	-.3967983	.3197757
pial	.0000475	.0000146	3.25	0.001	.0000189	.0000762
pia_miss	.0388749	.0126948	3.06	0.002	.0139935	.0637563
ime1	-.0000165	4.85e-06	-3.40	0.001	-.000026	-6.98e-06
ime_miss	-.0509566	.0072752	-7.00	0.000	-.0652159	-.0366974
_cons	.2184829	.0410061	5.33	0.000	.1381124	.2988533

twproll36

mototkt	.0007625	.0011435	0.67	0.505	-.0014787	.0030038
male	-.0028747	.0028788	-1.00	0.318	-.0085171	.0027677
gendermiss_flag	-.0723958	.2023916	-0.36	0.721	-.4690761	.3242845
tsd_age	-.0035557	.0003551	-10.01	0.000	-.0042517	-.0028598
doage2	-.0002288	.0003227	-0.71	0.478	-.0008613	.0004037
doage2miss_flag	-.0992701	.1652843	-0.60	0.548	-.4232214	.2246812

race_a	.0044287	.0123652	0.36	0.720	-.0198066	.028664
race_b	.0153896	.0039806	3.87	0.000	.0075877	.0231914
race_h	.0023488	.005529	0.42	0.671	-.0084879	.0131854
race_i	-.0115742	.0146788	-0.79	0.430	-.0403441	.0171956
race_o	-.0384111	.0168257	-2.28	0.022	-.0713888	-.0054334
race_mis	.0017511	.0117052	0.15	0.881	-.0211907	.0246929
tsd_edu_hs	.0095088	.0040222	2.36	0.018	.0016255	.0173921
tsd_edu_mrhs	.0313415	.0047239	6.63	0.000	.0220829	.0406001
tsd_edu_mis	.0080288	.0046589	1.72	0.085	-.0011025	.0171601
tsd_mie_exp	.0055043	.0087566	0.63	0.530	-.0116583	.022667
tsd_mie_mis	-.006796	.004792	-1.42	0.156	-.0161881	.002596
tsd_mie_psbl	.0058446	.0038829	1.51	0.132	-.0017658	.0134549
tsd_medicare	-.0286725	.0037997	-7.55	0.000	-.0361197	-.0212253
tsd_medicare_miss	-.0765934	.0137813	-5.56	0.000	-.1036042	-.0495826
tsd_depend_1	-.0072348	.0042301	-1.71	0.087	-.0155256	.001056
tsd_depend_2	.0041113	.0037112	1.11	0.268	-.0031625	.0113852
tsd_depend_miss	-.0657539	.0104704	-6.28	0.000	-.0862755	-.0452322
tsd_vrpr	-.0563045	.0062317	-9.04	0.000	-.0685183	-.0440906
tsd_vrpr_miss	-.1061131	.0056444	-18.80	0.000	-.117176	-.0950502
pdcgrou2	-.0347916	.0046687	-7.45	0.000	-.043942	-.0256412
pdcgrou3	-.0261491	.0057567	-4.54	0.000	-.037432	-.0148661
pdcgrou4	-.029916	.0042132	-7.10	0.000	-.0381737	-.0216583
pdcgrou5	.0075382	.045057	0.17	0.867	-.0807719	.0958483
cohort2000	-.0109015	.0060617	-1.80	0.072	-.0227822	.0009792
cohort2001	-.014751	.0103856	-1.42	0.156	-.0351065	.0056045
cohort2002	-.0154667	.0151673	-1.02	0.308	-.045194	.0142605
cohort2003	.0455769	.0243424	1.87	0.061	-.0021333	.0932871
cohort2004	-.0254847	.0249114	-1.02	0.306	-.0743102	.0233407
award_b4_tsd	.0319442	.0100073	3.19	0.001	.0123303	.0515581
diaward_tsd	-.000923	.0004607	-2.00	0.045	-.0018259	-.0000201
epeb4twp_flag	.2270011	.0820933	2.77	0.006	.0661012	.387901
ldwb4twp_flag	.0291739	.0798633	0.37	0.715	-.1273553	.1857031
ldwb4epe_flag	.3514666	.0348743	10.08	0.000	.2831142	.419819
twpb4tsd	-.1036629	.006025	-17.21	0.000	-.1154717	-.0918541
epeb4tsd	-.0735568	.0080011	-9.19	0.000	-.0892387	-.0578748
ldwb4tsd	-.0310005	.0118008	-2.63	0.009	-.0541296	-.0078713
st_AL	.0250564	.0769837	0.33	0.745	-.1258289	.1759417
st_AR	.051571	.0815423	0.63	0.527	-.108249	.2113911
st_AZ	.1001701	.0430368	2.33	0.020	.0158194	.1845207
st_CA	.0913541	.0522452	1.75	0.080	-.0110445	.1937528
st_CO	.0829377	.0432969	1.92	0.055	-.0019227	.1677982
st_CT	.0735468	.065695	1.12	0.263	-.0552129	.2023066
st_DC	-.0336684	.1707261	-0.20	0.844	-.3682854	.3009486
st_DE	.0937139	.0441137	2.12	0.034	.0072527	.1801751
st_FL	.0904416	.0428656	2.11	0.035	.0064266	.1744566
st_GA	.1097341	.0561569	1.95	0.051	-.0003313	.2197996
st_HI	-.0272059	.1349787	-0.20	0.840	-.2917593	.2373476
st_IA	.0810482	.0432814	1.87	0.061	-.0037819	.1658783
st_ID	.0171993	.1163309	0.15	0.882	-.2108051	.2452037
st_IL	.0879931	.0428946	2.05	0.040	.0039213	.1720649
st_IN	.038842	.0697572	0.56	0.578	-.0978797	.1755637
st_KS	.0919507	.0756773	1.22	0.224	-.0563741	.2402756
st_KY	.0597892	.0798798	0.75	0.454	-.0967724	.2163508
st_LA	.1332935	.1001304	1.33	0.183	-.0629585	.3295455
st_MA	.1005362	.0429758	2.34	0.019	.0163053	.1847672
st_MD	-.0122495	.081548	-0.15	0.881	-.1720807	.1475817
st_ME	-.0166687	.1045686	-0.16	0.873	-.2216193	.188282
st_MI	.1254339	.06357	1.97	0.048	.0008389	.2500289
st_MN	.0632687	.0714582	0.89	0.376	-.0767868	.2033241
st_MO	.0392219	.0611177	0.64	0.521	-.0805667	.1590105
st_MS	.0585606	.0901762	0.65	0.516	-.1181815	.2353027
st_MT	.8375061	.2894106	2.89	0.004	.2702718	1.40474
st_NC	.0537881	.0631263	0.85	0.394	-.0699372	.1775135

st_ND	0	(omitted)					
st_NE	.0784043	.0783946	1.00	0.317	-.0752463	.2320548	
st_NH	.0269543	.0815215	0.33	0.741	-.132825	.1867336	
st_NJ	.0922721	.0581288	1.59	0.112	-.0216583	.2062025	
st_NM	.0870595	.100139	0.87	0.385	-.1092093	.2833283	
st_NV	.0906609	.0689639	1.31	0.189	-.0445059	.2258276	
st_NY	0	(omitted)					
st_OH	.0196881	.0645644	0.30	0.760	-.1068558	.1462319	
st_OK	.0767497	.0431763	1.78	0.075	-.0078742	.1613737	
st_OR	.0709953	.0432899	1.64	0.101	-.0138514	.155842	
st_PA	.0194427	.0597966	0.33	0.745	-.0977566	.1366419	
st_PR	.0372332	.0878574	0.42	0.672	-.1349641	.2094305	
st_RI	.114101	.1163559	0.98	0.327	-.1139523	.3421543	
st_SC	.0602637	.0430919	1.40	0.162	-.0241949	.1447222	
st_SD	.0418796	.1163387	0.36	0.719	-.1861401	.2698992	
st_TN	.1865648	.0724072	2.58	0.010	.0446493	.3284802	
st_TX	.0033293	.0586024	0.06	0.955	-.1115292	.1181879	
st_UT	.1018929	.1045998	0.97	0.330	-.1031189	.3069046	
st_VA	.0377583	.0705924	0.53	0.593	-.1006002	.1761168	
st_VT	.0956286	.0448886	2.13	0.033	.0076486	.1836086	
st_WA	-.0118714	.0675133	-0.18	0.860	-.144195	.1204522	
st_WI	.0736743	.0430604	1.71	0.087	-.0107226	.1580711	
st_WV	-.0281841	.1349792	-0.21	0.835	-.2927384	.2363702	
st_WY	-.0472021	.2068049	-0.23	0.819	-.4525323	.358128	
pial	.0000702	.0000165	4.25	0.000	.0000378	.0001027	
pia_miss	.0674075	.0143617	4.69	0.000	.0392592	.0955558	
ime1	-.000023	5.48e-06	-4.19	0.000	-.0000337	-.0000122	
ime_miss	-.0680299	.0082305	-8.27	0.000	-.0841614	-.0518985	
_cons	.2712681	.0463902	5.85	0.000	.180345	.3621912	

twproll48							
mototkt	.0010822	.0012323	0.88	0.380	-.001333	.0034974	
male	-.0046915	.0031023	-1.51	0.130	-.0107718	.0013889	
gendermiss_flag	-.0859881	.2181008	-0.39	0.693	-.5134577	.3414816	
tsd_age	-.0043555	.0003826	-11.38	0.000	-.0051055	-.0036056	
doage2	-5.62e-06	.0003478	-0.02	0.987	-.0006872	.000676	
doage2miss_flag	-.1113202	.1781133	-0.62	0.532	-.4604159	.2377754	
race_a	-.0031643	.0133249	-0.24	0.812	-.0292806	.0295521	
race_b	.0192139	.0042896	4.48	0.000	.0108064	.0276213	
race_h	-.0000222	.0059582	-0.00	0.997	-.0116999	.0116556	
race_i	-.0195797	.0158181	-1.24	0.216	-.0505826	.0114232	
race_o	-.0398309	.0181316	-2.20	0.028	-.0753682	-.0042936	
race_mis	-.0090192	.0126137	-0.72	0.475	-.0337417	.0157032	
tsd_edu_hs	.0092308	.0043344	2.13	0.033	.0007356	.017726	
tsd_edu_mrhs	.0345525	.0050905	6.79	0.000	.0245752	.0445297	
tsd_edu_mis	.0086469	.0050205	1.72	0.085	-.0011931	.0184869	
tsd_mie_exp	.0036145	.0094363	0.38	0.702	-.0148803	.0221092	
tsd_mie_mis	-.0058163	.0051639	-1.13	0.260	-.0159373	.0043048	
tsd_mie_psbl	.0053448	.0041843	1.28	0.201	-.0028563	.0135458	
tsd_medicare	-.0321942	.0040946	-7.86	0.000	-.0402194	-.024169	
tsd_medicare_miss	-.0889219	.0148509	-5.99	0.000	-.1180292	-.0598146	
tsd_depend_1	-.0052923	.0045584	-1.16	0.246	-.0142265	.003642	
tsd_depend_2	.0074402	.0039993	1.86	0.063	-.0003982	.0152786	
tsd_depend_miss	-.0712439	.0112831	-6.31	0.000	-.0933584	-.0491295	
tsd_vrpr	-.082094	.0067154	-12.22	0.000	-.0952559	-.0689321	
tsd_vrpr_miss	-.1362531	.0060825	-22.40	0.000	-.1481747	-.1243316	
pdcgrou2	-.0389145	.005031	-7.73	0.000	-.0487751	-.0290538	
pdcgrou3	-.0260774	.0062035	-4.20	0.000	-.0382361	-.0139186	
pdcgrou4	-.0337937	.0045402	-7.44	0.000	-.0426923	-.024895	
pdcgrou5	-.0040933	.0485542	-0.08	0.933	-.0992578	.0910712	
cohort2000	-.0111394	.0065322	-1.71	0.088	-.0239423	.0016635	
cohort2001	-.0194284	.0111917	-1.74	0.083	-.0413638	.002507	
cohort2002	-.0235013	.0163445	-1.44	0.150	-.0555359	.0085334	

cohort2003	.0608586	.0262318	2.32	0.020	.0094453	.1122719
cohort2004	-.0081361	.026845	-0.30	0.762	-.0607513	.044479
award_b4_tsd	.042048	.010784	3.90	0.000	.0209117	.0631843
diaward_tsd	-.0009213	.0004964	-1.86	0.063	-.0018943	.0000517
epeb4twp_flag	.4287185	.0884652	4.85	0.000	.25533	.6021071
ldwb4twp_flag	-.0273189	.0860621	-0.32	0.751	-.1959974	.1413597
ldwb4epe_flag	.4099484	.0375812	10.91	0.000	.3362907	.4836062
twpb4tsd	-.1239904	.0064927	-19.10	0.000	-.1367158	-.111265
epeb4tsd	-.0877508	.0086222	-10.18	0.000	-.1046499	-.0708517
ldwb4tsd	-.038464	.0127167	-3.02	0.002	-.0633883	-.0135396
st_AL	-.0256554	.082959	-0.31	0.757	-.1882521	.1369413
st_AR	.0051596	.0878714	0.06	0.953	-.1670653	.1773844
st_AZ	.0762025	.0463772	1.64	0.100	-.0146952	.1671003
st_CA	.0464361	.0563003	0.82	0.409	-.0639105	.1567827
st_CO	.0492967	.0466575	1.06	0.291	-.0421504	.1407438
st_CT	.0554593	.070794	0.78	0.433	-.0832944	.1942131
st_DC	.254706	.1839774	1.38	0.166	-.1058832	.6152951
st_DE	.0590093	.0475377	1.24	0.214	-.0341628	.1521814
st_FL	.0598599	.0461927	1.30	0.195	-.0306761	.1503959
st_GA	.061603	.0605156	1.02	0.309	-.0570055	.1802115
st_HI	-.0733131	.1454555	-0.50	0.614	-.3584005	.2117744
st_IA	.0578393	.0466408	1.24	0.215	-.0335751	.1492537
st_ID	-.0251927	.1253602	-0.20	0.841	-.2708943	.2205088
st_IL	.0591141	.0462239	1.28	0.201	-.0314832	.1497113
st_IN	-.0044797	.0751716	-0.06	0.952	-.1518134	.142854
st_KS	.0459126	.0815512	0.56	0.573	-.1139249	.2057501
st_KY	.0168688	.0860799	0.20	0.845	-.1518447	.1855823
st_LA	.0951026	.1079023	0.88	0.378	-.116382	.3065872
st_MA	.0815101	.0463114	1.76	0.078	-.0092586	.1722788
st_MD	.0002901	.0878776	0.00	0.997	-.1719468	.172527
st_ME	-.0646632	.1126849	-0.57	0.566	-.2855216	.1561951
st_MI	.0779443	.0685042	1.14	0.255	-.0563215	.21221
st_MN	.0169497	.0770046	0.22	0.826	-.1339766	.1678759
st_MO	.0380199	.0658615	0.58	0.564	-.0910663	.1671062
st_MS	.0075387	.0971755	0.08	0.938	-.1829217	.1979991
st_MT	.7596165	.3118739	2.44	0.015	.1483548	1.370878
st_NC	.0338937	.068026	0.50	0.618	-.0994349	.1672223
st_ND	0	(omitted)				
st_NE	.0376834	.0844794	0.45	0.656	-.1278931	.20326
st_NH	.0456546	.087849	0.52	0.603	-.1265264	.2178356
st_NJ	.0844288	.0626406	1.35	0.178	-.0383446	.2072021
st_NM	.0415845	.1079115	0.39	0.700	-.1699183	.2530872
st_NV	.0806825	.0743167	1.09	0.278	-.0649755	.2263405
st_NY	0	(omitted)				
st_OH	.0027115	.0695757	0.04	0.969	-.1336544	.1390774
st_OK	.0497887	.0465275	1.07	0.285	-.0414035	.140981
st_OR	.0521322	.04665	1.12	0.264	-.0393001	.1435645
st_PA	-.0271598	.0644379	-0.42	0.673	-.1534557	.0991362
st_PR	.0667024	.0946766	0.70	0.481	-.1188604	.2522652
st_RI	.0640257	.1253871	0.51	0.610	-.1817286	.3097799
st_SC	.0264319	.0464366	0.57	0.569	-.0645821	.117446
st_SD	.0031083	.1253686	0.02	0.980	-.2426097	.2488262
st_TN	.1380755	.0780272	1.77	0.077	-.0148551	.291006
st_TX	-.0425893	.063151	-0.67	0.500	-.1663629	.0811843
st_UT	.0524482	.1127185	0.47	0.642	-.1684761	.2733725
st_VA	-.0098363	.0760716	-0.13	0.897	-.1589339	.1392612
st_VT	.0834782	.0483727	1.73	0.084	-.0113306	.178287
st_WA	.0063815	.0727535	0.09	0.930	-.1362128	.1489758
st_WI	.04551	.0464027	0.98	0.327	-.0454375	.1364576
st_WV	-.0807189	.1454559	-0.55	0.579	-.3658072	.2043695
st_WY	-.0989216	.2228566	-0.44	0.657	-.5357125	.3378693
pial	.0000846	.0000178	4.75	0.000	.0000497	.0001196
pia_miss	.0796358	.0154764	5.15	0.000	.0493027	.1099689

ime1		-.0000278	5.91e-06	-4.70	0.000	-.0000394	-.0000162
ime_miss		-.0832249	.0088693	-9.38	0.000	-.1006084	-.0658413
_cons		.369752	.0499909	7.40	0.000	.2717716	.4677323

Endogenous variables: twproll12 twproll24 twproll36 twproll48 mototkt
Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd
st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
st_WI st_WV st_WY pial pia_miss ime1 ime_miss imm1 imm3 imm4

(1) 12*[twproll12]mototkt + 12*[twproll24]mototkt = 0

		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		.0134266	.0203064	0.66	0.508	-.0263732 .0532264

(1) 12*[twproll12]mototkt + 12*[twproll24]mototkt + 12*[twproll36]mototkt = 0

		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		.0225771	.0324145	0.70	0.486	-.0409543 .0861084

(1) 12*[twproll12]mototkt + 12*[twproll24]mototkt + 12*[twproll36]mototkt + 12*[twproll48]mototkt = 0

		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)		.0355633	.0455006	0.78	0.434	-.0536162 .1247428

phase 1 NO NY dependent variable: srvroll, unemployment: nounemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
srvroll12	43080	95	.1579197	0.2522	14524.41	0.0000
srvroll24	43080	95	.1785152	0.4010	28843.56	0.0000
srvroll36	43080	95	.179465	0.5208	46828.45	0.0000
srvroll48	43080	95	.1788244	0.5901	62012.72	0.0000

		Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
srvroll12						
mototkt		-.0005197	.0006312	-0.82	0.410	-.0017568 .0007174
male		.0016034	.001589	1.01	0.313	-.001511 .0047178

gendermiss_flag	.0002691	.1117132	0.00	0.998	-.2186847	.2192228
tsd_age	-.0003466	.000196	-1.77	0.077	-.0007307	.0000375
doage2	-.0001241	.0001781	-0.70	0.486	-.0004733	.000225
doage2miss_flag	-.0187086	.0912312	-0.21	0.838	-.1975185	.1601013
race_a	-.0008113	.0068251	-0.12	0.905	-.0141883	.0125658
race_b	.0005218	.0021972	0.24	0.812	-.0037846	.0048281
race_h	-.0063256	.0030518	-2.07	0.038	-.0123071	-.0003441
race_i	-.0046851	.0081022	-0.58	0.563	-.0205651	.0111949
race_o	-.006743	.0092872	-0.73	0.468	-.0249456	.0114595
race_mis	-.0039171	.0064609	-0.61	0.544	-.0165802	.008746
tsd_edu_hs	.0027316	.0022201	1.23	0.219	-.0016197	.0070829
tsd_edu_mrhs	.0084593	.0026074	3.24	0.001	.0033488	.0135697
tsd_edu_mis	.0016532	.0025716	0.64	0.520	-.0033869	.0066934
tsd_mie_exp	-.004835	.0048333	-1.00	0.317	-.0143082	.0046382
tsd_mie_mis	-.0063417	.002645	-2.40	0.017	-.0115258	-.0011576
tsd_mie_psbl	-.0054573	.0021432	-2.55	0.011	-.0096579	-.0012566
tsd_medicare	-.0021864	.0020973	-1.04	0.297	-.006297	.0019242
tsd_medicare_mis	-.0089233	.0076068	-1.17	0.241	-.0238324	.0059857
tsd_depend_1	-.0014487	.0023349	-0.62	0.535	-.0060249	.0031275
tsd_depend_2	-.0024522	.0020485	-1.20	0.231	-.0064671	.0015627
tsd_depend_miss	-.0094308	.0057793	-1.63	0.103	-.0207581	.0018964
tsd_vrpr	-.3371188	.0034397	-98.01	0.000	-.3438604	-.3303772
tsd_vrpr_miss	-.3649208	.0031155	-117.13	0.000	-.3710272	-.3588145
pdcgrou2	.000556	.0025769	0.22	0.829	-.0044947	.0056068
pdcgrou3	.0011654	.0031775	0.37	0.714	-.0050624	.0073932
pdcgrou4	.0056212	.0023255	2.42	0.016	.0010632	.0101792
pdcgrou5	.0122937	.0248699	0.49	0.621	-.0364504	.0610378
cohort2000	-.0065423	.0033459	-1.96	0.051	-.0131001	.0000154
cohort2001	-.0122016	.0057325	-2.13	0.033	-.0234371	-.0009661
cohort2002	-.0174603	.0083718	-2.09	0.037	-.0338687	-.0010519
cohort2003	-.0424741	.0134361	-3.16	0.002	-.0688085	-.0161398
cohort2004	-.0480887	.0137502	-3.50	0.000	-.0750387	-.0211388
award_b4_tsd	-.0009416	.0055237	-0.17	0.865	-.0117678	.0098846
diaward_tsd	-.0006129	.0002543	-2.41	0.016	-.0011113	-.0001145
epeb4twp_flag	-.0218085	.0453127	-0.48	0.630	-.1106196	.0670027
ldwb4twp_flag	-.0956643	.0440818	-2.17	0.030	-.1820629	-.0092656
ldwb4epe_flag	.0240064	.0192494	1.25	0.212	-.0137218	.0617345
twpb4tsd	.008278	.0033256	2.49	0.013	.0017599	.014796
epeb4tsd	-.0009023	.0044163	-0.20	0.838	-.0095582	.0077535
ldwb4tsd	.0021202	.0065136	0.33	0.745	-.0106462	.0148867
st_AL	-.0818547	.0424923	-1.93	0.054	-.1651382	.0014287
st_AR	-.0131604	.0450085	-0.29	0.770	-.1013756	.0750547
st_AZ	.012288	.0237548	0.52	0.605	-.0342706	.0588466
st_CA	.0040619	.0288375	0.14	0.888	-.0524586	.0605824
st_CO	.0120088	.0238984	0.50	0.615	-.0348312	.0588488
st_CT	.000487	.0362613	0.01	0.989	-.070584	.0715579
st_DC	-.0042193	.0942349	-0.04	0.964	-.1889163	.1804777
st_DE	.0326232	.0243492	1.34	0.180	-.0151004	.0803468
st_FL	.0179684	.0236603	0.76	0.448	-.0284049	.0643418
st_GA	.0080441	.0309967	0.26	0.795	-.0527082	.0687965
st_HI	.00571	.0745036	0.08	0.939	-.1403143	.1517344
st_IA	.0162613	.0238899	0.68	0.496	-.030562	.0630846
st_ID	.0114674	.0642106	0.18	0.858	-.1143831	.1373179
st_IL	.0268638	.0236763	1.13	0.257	-.0195409	.0732685
st_IN	.0435192	.0385036	1.13	0.258	-.0319464	.1189849
st_KS	-.0094355	.0417713	-0.23	0.821	-.0913057	.0724346
st_KY	.0076939	.0440909	0.17	0.861	-.0787226	.0941105
st_LA	.0085092	.0552685	0.15	0.878	-.0998151	.1168335
st_MA	.0120289	.0237211	0.51	0.612	-.0344636	.0585215
st_MD	.0234299	.0450117	0.52	0.603	-.0647914	.1116511
st_ME	.0102615	.0577182	0.18	0.859	-.1028642	.1233871
st_MI	.0507884	.0350885	1.45	0.148	-.0179838	.1195605
st_MN	-.0074071	.0394424	-0.19	0.851	-.0847129	.0698986

st_MO	-.0408667	.0337349	-1.21	0.226	-.1069858	.0252525
st_MS	-.0178631	.0497741	-0.36	0.720	-.1154186	.0796924
st_MT	-.3549691	.1597446	-2.22	0.026	-.6680628	-.0418754
st_NC	.0067944	.0348435	0.19	0.845	-.0614977	.0750865
st_ND	0	(omitted)				
st_NE	.010107	.0432711	0.23	0.815	-.0747028	.0949168
st_NH	-.0142903	.0449971	-0.32	0.751	-.102483	.0739023
st_NJ	.0580703	.0320851	1.81	0.070	-.0048153	.120956
st_NM	.0099063	.0552733	0.18	0.858	-.0984273	.1182399
st_NV	.0007954	.0380657	0.02	0.983	-.0738119	.0754028
st_NY	0	(omitted)				
st_OH	-.0131144	.0356373	-0.37	0.713	-.0829622	.0567335
st_OK	.0285292	.0238318	1.20	0.231	-.0181802	.0752387
st_OR	.0110517	.0238945	0.46	0.644	-.0357807	.0578842
st_PA	-.0252919	.0330057	-0.77	0.444	-.0899818	.039398
st_PR	.029191	.0484942	0.60	0.547	-.0658559	.1242379
st_RI	-.0385542	.0642244	-0.60	0.548	-.1644317	.0873234
st_SC	.0219187	.0237852	0.92	0.357	-.0246995	.0685369
st_SD	.010873	.0642149	0.17	0.866	-.1149859	.136732
st_TN	-.02507	.0399663	-0.63	0.530	-.1034025	.0532624
st_TX	.0231581	.0323465	0.72	0.474	-.0402399	.086556
st_UT	-.062911	.0577354	-1.09	0.276	-.1760704	.0502484
st_VA	.0240136	.0389646	0.62	0.538	-.0523555	.1003827
st_VT	.0285227	.0247769	1.15	0.250	-.0200392	.0770846
st_WA	-.037833	.037265	-1.02	0.310	-.1108711	.0352051
st_WI	.039296	.0237679	1.65	0.098	-.0072882	.0858801
st_WV	-.060386	.0745038	-0.81	0.418	-.2064108	.0856389
st_WY	.0114958	.1141491	0.10	0.920	-.2122324	.235224
pial	.0000165	9.13e-06	1.81	0.071	-1.39e-06	.0000344
pia_miss	.0141245	.0079271	1.78	0.075	-.0014124	.0296614
ime1	-4.84e-06	3.03e-06	-1.60	0.110	-.0000108	1.09e-06
ime_miss	-.0084633	.0045429	-1.86	0.062	-.0173673	.0004407
_cons	.3799553	.0256058	14.84	0.000	.3297688	.4301417

srvroll24

mototkt	-.0002102	.0007135	-0.29	0.768	-.0016086	.0011883
male	.0018972	.0017963	1.06	0.291	-.0016234	.0054178
gendermiss	-.0047229	.1262826	-0.04	0.970	-.2522322	.2427864
tsd_age	-.0007466	.0002216	-3.37	0.001	-.0011808	-.0003124
doage2	-.0001054	.0002014	-0.52	0.601	-.0005001	.0002892
doage2miss_flag	-.0252461	.1031294	-0.24	0.807	-.227376	.1768838
race_a	.0015389	.0077153	0.20	0.842	-.0135827	.0166606
race_b	-.0028102	.0024837	-1.13	0.258	-.0076782	.0020578
race_h	-.0073197	.0034498	-2.12	0.034	-.0140813	-.0005582
race_i	-.0023653	.0091588	-0.26	0.796	-.0203163	.0155857
race_o	-.0004044	.0104984	-0.04	0.969	-.0209809	.0201721
race_mis	.0001414	.0073035	0.02	0.985	-.0141732	.014456
tsd_edu_hs	.0029787	.0025096	1.19	0.235	-.0019401	.0078975
tsd_edu_mrhs	.0123064	.0029475	4.18	0.000	.0065295	.0180834
tsd_edu_mis	.0017083	.0029069	0.59	0.557	-.0039891	.0074058
tsd_mie_exp	-.004099	.0054637	-0.75	0.453	-.0148076	.0066097
tsd_mie_mis	-.0056225	.0029899	-1.88	0.060	-.0114827	.0002377
tsd_mie_psbl	-.0038956	.0024227	-1.61	0.108	-.0086441	.0008529
tsd_medicare	-.001647	.0023708	-0.69	0.487	-.0062937	.0029997
tsd_medicare_miss	-.0063549	.0085988	-0.74	0.460	-.0232083	.0104985
tsd_depend_1	-.0019156	.0026394	-0.73	0.468	-.0070887	.0032574
tsd_depend_2	-.0015178	.0023156	-0.66	0.512	-.0060563	.0030208
tsd_depend_miss	-.004566	.006533	-0.70	0.485	-.0173705	.0082386
tsd_vrpr	-.5341524	.0038883	-137.38	0.000	-.5417732	-.5265315
tsd_vrpr_miss	-.5842739	.0035218	-165.90	0.000	-.5911766	-.5773712
pdcgrou2	-.0000601	.002913	-0.02	0.984	-.0057695	.0056494
pdcgrou3	.0049527	.0035919	1.38	0.168	-.0020873	.0119928
pdcgrou4	.0078198	.0026288	2.97	0.003	.0026674	.0129722

pdgroup5	-.0002626	.0281134	-0.01	0.993	-.0553639	.0548386
cohort2000	-.0057353	.0037822	-1.52	0.129	-.0131483	.0016777
cohort2001	-.0111977	.0064801	-1.73	0.084	-.0238985	.0015031
cohort2002	-.0147033	.0094636	-1.55	0.120	-.0332517	.0038451
cohort2003	-.0531393	.0151885	-3.50	0.000	-.0829081	-.0233705
cohort2004	-.0768008	.0155435	-4.94	0.000	-.1072655	-.0463361
award_b4_tsd	.0000454	.0062441	0.01	0.994	-.0121927	.0122835
diaward_tsd	-.0006168	.0002874	-2.15	0.032	-.0011802	-.0000534
epeb4twp_flag	-.0390316	.0512222	-0.76	0.446	-.1394254	.0613621
ldwb4twp_flag	-.1483458	.0498308	-2.98	0.003	-.2460124	-.0506792
ldwb4epe_flag	.0121553	.0217599	0.56	0.576	-.0304933	.0548039
twpb4tsd	.0103298	.0037593	2.75	0.006	.0029617	.0176979
epeb4tsd	-.0055525	.0049923	-1.11	0.266	-.0153372	.0042323
ldwb4tsd	.0090819	.0073631	1.23	0.217	-.0053495	.0235134
st_AL	-.0633848	.0480341	-1.32	0.187	-.1575299	.0307603
st_AR	-.008638	.0508785	-0.17	0.865	-.1083579	.0910819
st_AZ	.0391423	.0268529	1.46	0.145	-.0134884	.091773
st_CA	.0258068	.0325985	0.79	0.429	-.038085	.0896986
st_CO	.0446253	.0270152	1.65	0.099	-.0083235	.0975741
st_CT	.0432781	.0409905	1.06	0.291	-.0370618	.1236179
st_DC	.0022693	.1065248	0.02	0.983	-.2065155	.2110541
st_DE	.0533761	.0275248	1.94	0.052	-.0005715	.1073237
st_FL	.0471976	.026746	1.76	0.078	-.0052237	.0996188
st_GA	.0470486	.0350392	1.34	0.179	-.021627	.1157241
st_HI	.0255123	.0842202	0.30	0.762	-.1395562	.1905809
st_IA	.0489949	.0270055	1.81	0.070	-.003935	.1019247
st_ID	.0332884	.0725849	0.46	0.647	-.1089753	.175552
st_IL	.0563021	.0267641	2.10	0.035	.0038454	.1087588
st_IN	.0997597	.0435251	2.29	0.022	.014452	.1850675
st_KS	-.0013215	.047219	-0.03	0.978	-.093869	.0912261
st_KY	.0280873	.0498411	0.56	0.573	-.0695995	.1257742
st_LA	.0320143	.0624765	0.51	0.608	-.0904374	.154466
st_MA	.0352636	.0268148	1.32	0.188	-.0172925	.0878196
st_MD	.0179964	.050882	0.35	0.724	-.0817306	.1177233
st_ME	.0294633	.0652457	0.45	0.652	-.0984159	.1573426
st_MI	.0732541	.0396646	1.85	0.065	-.0044872	.1509953
st_MN	.0014876	.0445864	0.03	0.973	-.0859002	.0888754
st_MO	.0184047	.0381345	0.48	0.629	-.0563376	.0931469
st_MS	-.0128767	.0562656	-0.23	0.819	-.1231553	.0974018
st_MT	-.5518573	.1805782	-3.06	0.002	-.9057841	-.1979306
st_NC	.0366823	.0393878	0.93	0.352	-.0405163	.1138809
st_ND	0	(omitted)				
st_NE	.0324885	.0489144	0.66	0.507	-.063382	.128359
st_NH	.0481137	.0508655	0.95	0.344	-.0515808	.1478082
st_NJ	.1075028	.0362696	2.96	0.003	.0364157	.1785898
st_NM	.0283665	.0624819	0.45	0.650	-.0940958	.1508287
st_NV	-.0046107	.0430301	-0.11	0.915	-.0889482	.0797268
st_NY	0	(omitted)				
st_OH	.0528332	.040285	1.31	0.190	-.026124	.1317905
st_OK	.0592419	.0269399	2.20	0.028	.0064407	.1120432
st_OR	.0349883	.0270108	1.30	0.195	-.0179519	.0879285
st_PA	-.0039745	.0373102	-0.11	0.915	-.0771011	.0691522
st_PR	.053352	.0548187	0.97	0.330	-.0540907	.1607948
st_RI	-.0506628	.0726004	-0.70	0.485	-.192957	.0916314
st_SC	.0494279	.0268873	1.84	0.066	-.0032701	.102126
st_SD	.0315295	.0725897	0.43	0.664	-.1107437	.1738027
st_TN	.0155656	.0451786	0.34	0.730	-.0729828	.104114
st_TX	.0277403	.036565	0.76	0.448	-.0439259	.0994064
st_UT	-.0897108	.0652652	-1.37	0.169	-.2176282	.0382066
st_VA	.0293597	.0440462	0.67	0.505	-.0569693	.1156888
st_VT	.072615	.0280083	2.59	0.010	.0177197	.1275102
st_WA	-.0463242	.042125	-1.10	0.271	-.1288877	.0362394
st_WI	.0661919	.0268676	2.46	0.014	.0135324	.1188515

st_WV	-.0858451	.0842205	-1.02	0.308	-.2509141	.079224
st_WY	.0334948	.1290362	0.26	0.795	-.2194116	.2864012
pial	.000028	.0000103	2.71	0.007	7.78e-06	.0000482
pia_miss	.0182112	.008961	2.03	0.042	.000648	.0357743
ime1	-.0000102	3.42e-06	-2.98	0.003	-.0000169	-3.48e-06
ime_miss	-.0160851	.0051354	-3.13	0.002	-.0261503	-.0060198
_cons	.5805906	.0289452	20.06	0.000	.523859	.6373222

srvroll36						
mototkt	-.0005616	.0007173	-0.78	0.434	-.0019675	.0008443
male	.001376	.0018058	0.76	0.446	-.0021633	.0049153
gendermiss_flag	-.0043813	.1269545	-0.03	0.972	-.2532075	.2444449
tsd_age	-.0009695	.0002227	-4.35	0.000	-.001406	-.0005329
doage2	-.0001339	.0002024	-0.66	0.508	-.0005307	.0002628
doage2miss_flag	-.0301354	.1036781	-0.29	0.771	-.2333408	.17307
race_a	.0038488	.0077563	0.50	0.620	-.0113533	.0190509
race_b	-.0029534	.0024969	-1.18	0.237	-.0078473	.0019405
race_h	-.0075435	.0034682	-2.18	0.030	-.014341	-.000746
race_i	-.0082255	.0092076	-0.89	0.372	-.026272	.009821
race_o	-.0100716	.0105543	-0.95	0.340	-.0307576	.0106143
race_mis	-.0071205	.0073423	-0.97	0.332	-.0215112	.0072703
tsd_edu_hs	.0019618	.002523	0.78	0.437	-.0029832	.0069068
tsd_edu_mrhs	.0149478	.0029632	5.04	0.000	.0091401	.0207555
tsd_edu_mis	-.0019074	.0029224	-0.65	0.514	-.0076352	.0038204
tsd_mie_exp	-.0074271	.0054928	-1.35	0.176	-.0181927	.0033385
tsd_mie_mis	-.0071741	.0030059	-2.39	0.017	-.0130655	-.0012828
tsd_mie_psbl	-.0043211	.0024356	-1.77	0.076	-.0090949	.0004526
tsd_medicare	.0012126	.0023834	0.51	0.611	-.0034589	.005884
tsd_medicare_miss	-.0123317	.0086446	-1.43	0.154	-.0292748	.0046114
tsd_depend_1	-.0034288	.0026534	-1.29	0.196	-.0086293	.0017718
tsd_depend_2	-.0021413	.0023279	-0.92	0.358	-.0067039	.0024214
tsd_depend_miss	.0002454	.0065678	0.04	0.970	-.0126272	.0131181
tsd_vrpr	-.6869375	.003909	-175.73	0.000	-.6945989	-.6792761
tsd_vrpr_miss	-.7496026	.0035406	-211.72	0.000	-.7565421	-.7426632
pdcgrou2	-.0007649	.0029285	-0.26	0.794	-.0065047	.0049749
pdcgrou3	.0042056	.003611	1.16	0.244	-.0028719	.0112831
pdcgrou4	.0067846	.0026428	2.57	0.010	.0016047	.0119644
pdcgrou5	.0127941	.028263	0.45	0.651	-.0426002	.0681885
cohort2000	-.0032842	.0038023	-0.86	0.388	-.0107367	.0041682
cohort2001	-.0055222	.0065146	-0.85	0.397	-.0182906	.0072462
cohort2002	-.0081882	.009514	-0.86	0.389	-.0268353	.0104589
cohort2003	-.0296624	.0152693	-1.94	0.052	-.0595896	.0002648
cohort2004	-.0470385	.0156262	-3.01	0.003	-.0776653	-.0164117
award_b4_tsd	-.004959	.0062773	-0.79	0.430	-.0172623	.0073442
diaward_tsd	-.000542	.000289	-1.88	0.061	-.0011084	.0000244
epeb4twp_flag	-.0833858	.0514948	-1.62	0.105	-.1843137	.0175421
ldwb4twp_flag	.0009647	.050096	0.02	0.985	-.0972216	.0991509
ldwb4epe_flag	.0124207	.0218757	0.57	0.570	-.0304548	.0552962
twpb4tsd	.0074479	.0037793	1.97	0.049	.0000406	.0148552
epeb4tsd	-.0077068	.0050189	-1.54	0.125	-.0175436	.00213
ldwb4tsd	.0112777	.0074023	1.52	0.128	-.0032305	.0257859
st_AL	-.1325634	.0482897	-2.75	0.006	-.2272094	-.0379174
st_AR	-.0506032	.0511492	-0.99	0.323	-.1508537	.0496473
st_AZ	.0184225	.0269958	0.68	0.495	-.0344883	.0713332
st_CA	.0094073	.0327719	0.29	0.774	-.0548244	.0736391
st_CO	.018438	.0271589	0.68	0.497	-.0347925	.0716686
st_CT	.0098809	.0412086	0.24	0.811	-.0708864	.0906482
st_DC	.3032905	.1070916	2.83	0.005	.0933949	.5131862
st_DE	.0303258	.0276712	1.10	0.273	-.0239089	.0845604
st_FL	.021428	.0268883	0.80	0.425	-.0312722	.0741282
st_GA	.0123043	.0352256	0.35	0.727	-.0567366	.0813452
st_HI	-.0038038	.0846683	-0.04	0.964	-.1697506	.162143
st_IA	.0273249	.0271492	1.01	0.314	-.0258866	.0805363

st_ID	.0019678	.072971	0.03	0.978	-.1410528	.1449885
st_IL	.033263	.0269065	1.24	0.216	-.0194728	.0859988
st_IN	.0713743	.0437567	1.63	0.103	-.0143873	.1571359
st_KS	.0080773	.0474702	0.17	0.865	-.0849627	.1011172
st_KY	-.0003385	.0501063	-0.01	0.995	-.0985451	.0978681
st_LA	.007302	.0628089	0.12	0.907	-.1158012	.1304053
st_MA	.0106575	.0269575	0.40	0.693	-.0421781	.0634932
st_MD	-.0300538	.0511527	-0.59	0.557	-.1303113	.0702038
st_ME	-.0017078	.0655929	-0.03	0.979	-.1302674	.1268519
st_MI	.0520261	.0398757	1.30	0.192	-.0261288	.1301809
st_MN	.0423403	.0448237	0.94	0.345	-.0455125	.1301931
st_MO	-.0351969	.0383374	-0.92	0.359	-.1103369	.039943
st_MS	-.0559836	.0565649	-0.99	0.322	-.1668489	.0548816
st_MT	.261699	.181539	1.44	0.149	-.0941109	.6175089
st_NC	-.0054049	.0395973	-0.14	0.891	-.0830142	.0722045
st_ND	0	(omitted)				
st_NE	.0036502	.0491747	0.07	0.941	-.0927305	.1000308
st_NH	.0673555	.0511361	1.32	0.188	-.0328694	.1675805
st_NJ	.0592072	.0364625	1.62	0.104	-.012258	.1306725
st_NM	.0007223	.0628143	0.01	0.991	-.1223915	.1238361
st_NV	-.0520366	.0432591	-1.20	0.229	-.1368228	.0327496
st_NY	0	(omitted)				
st_OH	.042635	.0404994	1.05	0.292	-.0367424	.1220123
st_OK	.0318526	.0270832	1.18	0.240	-.0212295	.0849348
st_OR	.0106841	.0271545	0.39	0.694	-.0425378	.063906
st_PA	-.0286885	.0375087	-0.76	0.444	-.1022043	.0448272
st_PR	.0190812	.0551104	0.35	0.729	-.0889332	.1270956
st_RI	.0392014	.0729867	0.54	0.591	-.1038499	.1822528
st_SC	.0245464	.0270303	0.91	0.364	-.0284321	.0775248
st_SD	.0041111	.0729759	0.06	0.955	-.1389191	.1471413
st_TN	.0132072	.0454189	0.29	0.771	-.0758123	.1022267
st_TX	-.0151824	.0367596	-0.41	0.680	-.0872299	.0568651
st_UT	-.1542767	.0656124	-2.35	0.019	-.2828747	-.0256787
st_VA	-.010749	.0442806	-0.24	0.808	-.0975373	.0760394
st_VT	.0583093	.0281573	2.07	0.038	.003122	.1134966
st_WA	-.0967574	.0423492	-2.28	0.022	-.1797603	-.0137546
st_WI	.049014	.0270106	1.81	0.070	-.0039257	.1019538
st_WV	-.1509429	.0846686	-1.78	0.075	-.3168903	.0150044
st_WY	.0052022	.1297228	0.04	0.968	-.2490498	.2594542
pial	.0000162	.0000104	1.56	0.119	-4.18e-06	.0000365
pia_miss	.0067533	.0090087	0.75	0.453	-.0109033	.02441
ime1	-5.40e-06	3.44e-06	-1.57	0.117	-.0000121	1.34e-06
ime_miss	-.0107722	.0051627	-2.09	0.037	-.020891	-.0006534
_cons	.7806981	.0290993	26.83	0.000	.7236647	.8377316

srvroll48

mototkt	-.000204	.0007147	-0.29	0.775	-.0016049	.0011968
male	.0002197	.0017994	0.12	0.903	-.003307	.0037464
gendermiss_flag	-.011433	.1265012	-0.09	0.928	-.2593709	.2365049
tsd_age	-.0010887	.0002219	-4.91	0.000	-.0015237	-.0006538
doage2	-.0001757	.0002017	-0.87	0.384	-.000571	.0002196
doage2miss_flag	-.0361711	.103308	-0.35	0.726	-.238651	.1663089
race_a	-.0004049	.0077286	-0.05	0.958	-.0155527	.014743
race_b	-.0043107	.002488	-1.73	0.083	-.0091871	.0005657
race_h	-.0074701	.0034558	-2.16	0.031	-.0142434	-.0006968
race_i	-.0077734	.0091747	-0.85	0.397	-.0257555	.0102087
race_o	-.0087238	.0105166	-0.83	0.407	-.0293359	.0118883
race_miss	-.013529	.0073161	-1.85	0.064	-.0278684	.0008104
tsd_edu_hs	.0025048	.002514	1.00	0.319	-.0024225	.0074321
tsd_edu_mrhs	.0163644	.0029526	5.54	0.000	.0105775	.0221514
tsd_edu_mis	.0000704	.002912	0.02	0.981	-.0056369	.0057777
tsd_mie_exp	-.0113573	.0054732	-2.08	0.038	-.0220845	-.0006301
tsd_mie_mis	-.0069872	.0029951	-2.33	0.020	-.0128575	-.0011168

tsd_mie_psbl	-.0066341	.0024269	-2.73	0.006	-.0113908	-.0018774
tsd_medicare	-.0014642	.0023749	-0.62	0.538	-.0061189	.0031905
tsd_medicare_miss	-.0139497	.0086137	-1.62	0.105	-.0308323	.0029329
tsd_depend_1	-.003241	.0026439	-1.23	0.220	-.008423	.001941
tsd_depend_2	-.0035049	.0023196	-1.51	0.131	-.0080512	.0010415
tsd_depend_miss	-.0030474	.0065443	-0.47	0.641	-.0158741	.0097793
tsd_vrpr	-.7845603	.003895	-201.43	0.000	-.7921944	-.7769263
tsd_vrpr_miss	-.8590709	.0035279	-243.50	0.000	-.8659856	-.8521563
pdcgrou2	-.0004807	.0029181	-0.16	0.869	-.0062	.0052386
pdcgrou3	.0032792	.0035981	0.91	0.362	-.003773	.0103315
pdcgrou4	.0075411	.0026334	2.86	0.004	.0023798	.0127024
pdcgrou5	.0289733	.0281621	1.03	0.304	-.0262233	.08417
cohort2000	-.0028026	.0037888	-0.74	0.459	-.0102285	.0046232
cohort2001	-.004622	.0064914	-0.71	0.476	-.0173448	.0081008
cohort2002	-.0023133	.00948	-0.24	0.807	-.0208938	.0162672
cohort2003	-.0053169	.0152148	-0.35	0.727	-.0351373	.0245034
cohort2004	-.0355931	.0155704	-2.29	0.022	-.0661106	-.0050756
award_b4_tsd	-.0080883	.0062549	-1.29	0.196	-.0203476	.004171
diaward_tsd	-.0005135	.0002879	-1.78	0.075	-.0010779	.0000509
epeb4twp_flag	-.0963229	.0513109	-1.88	0.060	-.1968905	.0042447
ldwb4twp_flag	-.0274198	.0499171	-0.55	0.583	-.1252556	.0704159
ldwb4epe_flag	.0187876	.0217976	0.86	0.389	-.0239349	.06151
twpb4tsd	.0073711	.0037658	1.96	0.050	-9.81e-06	.014752
epeb4tsd	-.0050126	.005001	-1.00	0.316	-.0148143	.0047891
ldwb4tsd	.0078047	.0073759	1.06	0.290	-.0066517	.0222612
st_AL	-.0995871	.0481173	-2.07	0.038	-.1938953	-.005279
st_AR	-.0480478	.0509666	-0.94	0.346	-.1479404	.0518448
st_AZ	.0311398	.0268994	1.16	0.247	-.021582	.0838617
st_CA	.0227033	.0326549	0.70	0.487	-.0412992	.0867057
st_CO	.0285745	.027062	1.06	0.291	-.024466	.081615
st_CT	.0133577	.0410614	0.33	0.745	-.0671213	.0938366
st_DC	.3069281	.1067093	2.88	0.004	.0977818	.5160745
st_DE	.0484899	.0275725	1.76	0.079	-.0055511	.1025309
st_FL	.0383163	.0267924	1.43	0.153	-.0141958	.0908283
st_GA	.0060629	.0350999	0.17	0.863	-.0627315	.0748574
st_HI	.0071826	.084366	0.09	0.932	-.1581718	.172537
st_IA	.0438789	.0270523	1.62	0.105	-.0091426	.0969004
st_ID	.0078057	.0727105	0.11	0.915	-.1347044	.1503157
st_IL	.0464031	.0268105	1.73	0.083	-.0061445	.0989507
st_IN	.0804774	.0436005	1.85	0.065	-.0049781	.1659328
st_KS	.0093651	.0473008	0.20	0.843	-.0833427	.1020729
st_KY	.0087614	.0499275	0.18	0.861	-.0890946	.1066174
st_LA	.0187708	.0625847	0.30	0.764	-.103893	.1414345
st_MA	.0246401	.0268612	0.92	0.359	-.0280069	.0772871
st_MD	-.0335674	.0509701	-0.66	0.510	-.133467	.0663322
st_ME	.0052818	.0653587	0.08	0.936	-.1228189	.1333824
st_MI	.0478338	.0397333	1.20	0.229	-.0300421	.1257096
st_MN	.0435205	.0446637	0.97	0.330	-.0440186	.1310597
st_MO	.0036496	.0382005	0.10	0.924	-.0712221	.0785213
st_MS	-.0551946	.056363	-0.98	0.327	-.165664	.0552749
st_MT	.1639082	.1808909	0.91	0.365	-.1906314	.5184478
st_NC	-.0050147	.039456	-0.13	0.899	-.082347	.0723176
st_ND	0	(omitted)				
st_NE	.0115593	.0489991	0.24	0.814	-.0844772	.1075958
st_NH	.0700929	.0509536	1.38	0.169	-.0297742	.1699601
st_NJ	.0740686	.0363324	2.04	0.041	.0028585	.1452787
st_NM	.0095029	.0625901	0.15	0.879	-.1131714	.1321772
st_NV	-.0193655	.0431046	-0.45	0.653	-.103849	.065118
st_NY	0	(omitted)				
st_OH	.0450525	.0403548	1.12	0.264	-.0340415	.1241464
st_OK	.0447139	.0269866	1.66	0.098	-.0081788	.0976065
st_OR	.0241472	.0270576	0.89	0.372	-.0288847	.0771791
st_PA	-.0109303	.0373748	-0.29	0.770	-.0841836	.0623229

st_PR	.0191028	.0549137	0.35	0.728	-.0885261	.1267316
st_RI	.0286197	.0727261	0.39	0.694	-.113921	.1711603
st_SC	.0373055	.0269338	1.39	0.166	-.0154838	.0900948
st_SD	.0139852	.0727154	0.19	0.847	-.1285344	.1565048
st_TN	.0113127	.0452568	0.25	0.803	-.077389	.1000144
st_TX	-.0160591	.0366284	-0.44	0.661	-.0878494	.0557311
st_UT	-.1718181	.0653782	-2.63	0.009	-.299957	-.0436791
st_VA	-.0103672	.0441225	-0.23	0.814	-.0968457	.0761113
st_VT	.0926609	.0280568	3.30	0.001	.0376706	.1476512
st_WA	-.1029338	.042198	-2.44	0.015	-.1856403	-.0202273
st_WI	.068313	.0269141	2.54	0.011	.0155623	.1210638
st_WV	-.1707679	.0843663	-2.02	0.043	-.3361228	-.005413
st_WY	.0176311	.1292597	0.14	0.892	-.2357132	.2709754
pial	6.77e-06	.0000103	0.65	0.513	-.0000135	.000027
pia_miss	.0011682	.0089765	0.13	0.896	-.0164254	.0187618
ime1	-3.93e-06	3.43e-06	-1.15	0.252	-.0000106	2.79e-06
ime_miss	-.0093654	.0051443	-1.82	0.069	-.0194481	.0007173
_cons	.8884116	.0289954	30.64	0.000	.8315818	.9452415

Endogenous variables: srvroll12 srvroll24 srvroll36 srvroll48 mototkt
Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
 race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
 tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
 tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
 epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd
 st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
 st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
 st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
 st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
 st_WI st_WV st_WY pial pia_miss ime1 ime_miss imm1 imm3 imm4

(1) 12*[srvroll12]mototkt + 12*[srvroll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0087583	.0148025	-0.59	0.554	-.0377707 .0202541

(1) 12*[srvroll12]mototkt + 12*[srvroll24]mototkt + 12*[srvroll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0154976	.0218403	-0.71	0.478	-.0583039 .0273086

(1) 12*[srvroll12]mototkt + 12*[srvroll24]mototkt + 12*[srvroll36]mototkt +
12*[srvroll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0179461	.0286282	-0.63	0.531	-.0740563 .0381642

phase 1 NO NY dependent variable: nstw, unemployment: nounemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
nstw12	43080	95	1.125099	0.4052	29347.94	0.0000
nstw24	43080	95	2.616684	0.3285	21079.46	0.0000
nstw36	43080	95	4.381486	0.2716	16060.94	0.0000
nstw48	43080	95	6.342538	0.2332	13104.13	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
nstw12					
mototkt	-.0028069	.0044969	-0.62	0.533	-.0116206 .0060068
male	.0148551	.0113209	1.31	0.189	-.0073336 .0370437
gendermiss_flag	-.0922415	.7959008	-0.12	0.908	-1.652178 1.467695
tsd_age	-.0056453	.0013963	-4.04	0.000	-.0083821 -.0029085
doage2	.0001814	.001269	0.14	0.886	-.0023058 .0026686
doage2miss_flag	.0237473	.6499771	0.04	0.971	-1.250185 1.297679
race_a	.0162717	.0486258	0.33	0.738	-.0790331 .1115765
race_b	.0471942	.0156537	3.01	0.003	.0165134 .0778749
race_h	.0255966	.0217427	1.18	0.239	-.0170183 .0682116
race_i	-.0210339	.0577239	-0.36	0.716	-.1341707 .0921029
race_o	-.0074862	.0661666	-0.11	0.910	-.1371702 .1221979
race_mis	.0521805	.0460305	1.13	0.257	-.0380377 .1423987
tsd_edu_hs	.0168135	.0158171	1.06	0.288	-.0141875 .0478145
tsd_edu_mrhs	.0595147	.0185766	3.20	0.001	.0231053 .0959241
tsd_edu_mis	.0296929	.018321	1.62	0.105	-.0062157 .0656014
tsd_mie_exp	-.0019162	.0344352	-0.06	0.956	-.0694079 .0655755
tsd_mie_mis	.0197406	.0188443	1.05	0.295	-.0171934 .0566747
tsd_mie_psbl	-.0184917	.0152694	-1.21	0.226	-.0484192 .0114358
tsd_medicare	-.0787991	.0149421	-5.27	0.000	-.1080851 -.0495132
tsd_medicare_miss	-.0266399	.0541946	-0.49	0.623	-.1328593 .0795796
tsd_depend_1	-.0295141	.0166347	-1.77	0.076	-.0621175 .0030892
tsd_depend_2	-.0311451	.0145942	-2.13	0.033	-.0597493 -.0025409
tsd_depend_miss	.047863	.0411747	1.16	0.245	-.032838 .1285639
tsd_vrpr	.0765928	.0245059	3.13	0.002	.0285621 .1246235
tsd_vrpr_miss	.11621	.0221966	5.24	0.000	.0727055 .1597146
pdcgroup2	-.0247907	.0183594	-1.35	0.177	-.0607746 .0111931
pdcgroup3	.0264831	.0226382	1.17	0.242	-.017887 .0708531
pdcgroup4	.0442829	.0165683	2.67	0.008	.0118097 .0767561
pdcgroup5	-.0489408	.1771857	-0.28	0.782	-.3962184 .2983367
cohort2000	.0571264	.0238376	2.40	0.017	.0104057 .1038471
cohort2001	.0421864	.0408413	1.03	0.302	-.0378611 .122234
cohort2002	.0289172	.0596449	0.48	0.628	-.0879847 .1458191
cohort2003	.1095059	.0957258	1.14	0.253	-.0781132 .2971251
cohort2004	.2263133	.0979635	2.31	0.021	.0343083 .4183183
award_b4_tsd	-.0065313	.0393534	-0.17	0.868	-.0836625 .0705999
diaward_tsd	.0001461	.0018116	0.08	0.936	-.0034047 .0036968
epeb4twp_flag	-.2221553	.3228302	-0.69	0.491	-.8548909 .4105802
ldwb4twp_flag	1.347795	.3140607	4.29	0.000	.7322475 1.963343
ldwb4epe_flag	.738797	.1371425	5.39	0.000	.4700026 1.007591
twpb4tsd	.9902543	.0236933	41.79	0.000	.9438163 1.036692
epeb4tsd	1.051353	.0314642	33.41	0.000	.9896844 1.113022
ldwb4tsd	5.661216	.0464064	121.99	0.000	5.570261 5.752171
st_AL	.7878014	.3027368	2.60	0.009	.1944481 1.381155
st_AR	.1773461	.3206635	0.55	0.580	-.4511427 .805835
st_AZ	.1507651	.1692414	0.89	0.373	-.1809421 .4824722
st_CA	.3164499	.205453	1.54	0.123	-.0862306 .7191304
st_CO	.1505709	.1702643	0.88	0.377	-.1831411 .4842828
st_CT	.4402132	.258344	1.70	0.088	-.0661318 .9465581
st_DC	2.103053	.6713768	3.13	0.002	.7871789 3.418928
st_DE	.2184707	.1734761	1.26	0.208	-.1215361 .5584776

st_FL	.1681315	.168568	1.00	0.319	-.1622556	.4985187
st_GA	.2753603	.2208358	1.25	0.212	-.1574699	.7081904
st_HI	.0662515	.5308011	0.12	0.901	-.9740994	1.106603
st_IA	.1577922	.1702034	0.93	0.354	-.1758003	.4913847
st_ID	-.0784832	.4574689	-0.17	0.864	-.9751056	.8181393
st_IL	.1729187	.168682	1.03	0.305	-.157692	.5035293
st_IN	-.0438719	.2743189	-0.16	0.873	-.5815271	.4937833
st_KS	.0846774	.2975995	0.28	0.776	-.4986069	.6679618
st_KY	.0118366	.3141258	0.04	0.970	-.6038386	.6275117
st_LA	.7136009	.3937607	1.81	0.070	-.0581559	1.485358
st_MA	.1899265	.1690012	1.12	0.261	-.1413099	.5211628
st_MD	1.71155	.3206859	5.34	0.000	1.083018	2.340083
st_ME	.0052771	.4112137	0.01	0.990	-.8006869	.8112411
st_MI	.688485	.2499879	2.75	0.006	.1985178	1.178452
st_MN	.4060031	.2810078	1.44	0.149	-.1447621	.9567683
st_MO	.2026541	.2403442	0.84	0.399	-.2684119	.6737202
st_MS	.0426888	.354616	0.12	0.904	-.6523458	.7377234
st_MT	.1906174	1.138101	0.17	0.867	-2.04002	2.421255
st_NC	-.07316	.248243	-0.29	0.768	-.5597073	.4133872
st_ND	0	(omitted)				
st_NE	-.1999306	.3082851	-0.65	0.517	-.8041582	.4042971
st_NH	.6855713	.3205818	2.14	0.032	.0572426	1.3139
st_NJ	.18891	.2285903	0.83	0.409	-.2591189	.6369388
st_NM	.0107329	.3937945	0.03	0.978	-.7610902	.7825559
st_NV	.7088173	.271199	2.61	0.009	.177277	1.240358
st_NY	0	(omitted)				
st_OH	1.23017	.253898	4.85	0.000	.7325395	1.727801
st_OK	.1541815	.1697898	0.91	0.364	-.1786004	.4869634
st_OR	.1219267	.1702368	0.72	0.474	-.2117312	.4555847
st_PA	.4145631	.2351489	1.76	0.078	-.0463203	.8754466
st_PR	-.029829	.3454972	-0.09	0.931	-.7069911	.6473331
st_RI	1.333442	.457567	2.91	0.004	.4366272	2.230257
st_SC	.1531623	.169458	0.90	0.366	-.1789692	.4852938
st_SD	1.550955	.4574994	3.39	0.001	.6542721	2.447637
st_TN	.5867014	.2847397	2.06	0.039	.0286219	1.144781
st_TX	.4907671	.2304526	2.13	0.033	.0390883	.942446
st_UT	1.351991	.4113364	3.29	0.001	.5457863	2.158195
st_VA	.5334735	.2776031	1.92	0.055	-.0106185	1.077566
st_VT	.1020345	.1765234	0.58	0.563	-.243945	.448014
st_WA	.4301502	.2654947	1.62	0.105	-.0902097	.9505102
st_WI	.1667763	.1693342	0.98	0.325	-.1651127	.4986653
st_WV	.2002542	.5308027	0.38	0.706	-.8401	1.240608
st_WY	.0718513	.8132559	0.09	0.930	-1.522101	1.665804
pial	-.0001874	.0000651	-2.88	0.004	-.0003149	-.0000599
pia_miss	-.3238095	.0564769	-5.73	0.000	-.4345022	-.2131168
ime1	.0000922	.0000216	4.27	0.000	.0000499	.0001344
ime_miss	.1620253	.0323662	5.01	0.000	.0985886	.2254619
_cons	-.0592778	.1824285	-0.32	0.745	-.4168311	.2982756

nstw24

mototkt	-.005102	.0104586	-0.49	0.626	-.0256004	.0153964
male	.0314288	.0263295	1.19	0.233	-.0201762	.0830337
gendermiss_flag	-.258057	1.851056	-0.14	0.889	-3.886059	3.369945
tsd_age	-.0219906	.0032475	-6.77	0.000	-.0283556	-.0156256
doage2	.001324	.0029514	0.45	0.654	-.0044607	.0071087
doage2miss_flag	-.0018591	1.511676	-0.00	0.999	-2.964689	2.96097
race_a	.1811898	.1130908	1.60	0.109	-.040464	.4028437
race_b	.1156637	.0364064	3.18	0.001	.0443085	.187019
race_h	.1239569	.0505678	2.45	0.014	.0248458	.2230679
race_i	-.0845377	.1342506	-0.63	0.529	-.3476642	.1785887
race_o	-.0981291	.153886	-0.64	0.524	-.39974	.2034819
race_mis	.0864353	.1070549	0.81	0.419	-.1233883	.296259
tsd_edu_hs	.0475629	.0367864	1.29	0.196	-.0245372	.119663

tsd_edu_mrhs	.2162356	.0432042	5.00	0.000	.1315569	.3009142
tsd_edu_mis	.1495129	.0426099	3.51	0.000	.0659991	.2330267
tsd_mie_exp	.0289997	.0800872	0.36	0.717	-.1279683	.1859676
tsd_mie_mis	.0281948	.0438268	0.64	0.520	-.0577041	.1140937
tsd_mie_psbl	-.0493591	.0355126	-1.39	0.165	-.1189626	.0202444
tsd_medicare	-.1960029	.0347513	-5.64	0.000	-.2641143	-.1278916
tsd_medicare_miss	-.1763038	.1260423	-1.40	0.162	-.4233422	.0707346
tsd_depend_1	-.1139719	.0386878	-2.95	0.003	-.1897986	-.0381452
tsd_depend_2	-.1025211	.0339423	-3.02	0.003	-.1690468	-.0359954
tsd_depend_miss	.0857663	.0957615	0.90	0.370	-.1019229	.2734554
tsd_vrpr	.2716089	.0569943	4.77	0.000	.159902	.3833157
tsd_vrpr_miss	.3251291	.0516234	6.30	0.000	.2239491	.2263092
pdcgrou2	-.0768432	.0426992	-1.80	0.072	-.1605322	.0068457
pdcgrou3	.0691993	.0526505	1.31	0.189	-.0339938	.1723924
pdcgrou4	.1276409	.0385334	3.31	0.001	.0521168	.2031649
pdcgrou5	.1250274	.4120872	0.30	0.762	-.6826487	.9327035
cohort2000	.0835866	.0554399	1.51	0.132	-.0250735	.1922468
cohort2001	.0304536	.0949861	0.32	0.749	-.1557158	.2166231
cohort2002	.0266582	.1387184	0.19	0.848	-.2452249	.2985413
cohort2003	.1476821	.222633	0.66	0.507	-.2886706	.5840349
cohort2004	.4447196	.2278374	1.95	0.051	-.0018335	.8912726
award_b4_tsd	.0130116	.0915256	0.14	0.887	-.1663753	.1923985
diaward_tsd	-.0045944	.0042134	-1.09	0.276	-.0128525	.0036637
epeb4twp_flag	.3164909	.7508179	0.42	0.673	-1.155085	1.788067
ldwb4twp_flag	2.998925	.7304224	4.11	0.000	1.567323	4.430526
ldwb4epe_flag	2.993969	.3189574	9.39	0.000	2.368824	3.619114
twpb4tsd	3.011432	.0551043	54.65	0.000	2.903429	3.119434
epeb4tsd	1.813628	.0731775	24.78	0.000	1.670203	1.957054
ldwb4tsd	10.1024	.1079289	93.60	0.000	9.890862	10.31394
st_AL	.976385	.7040861	1.39	0.166	-.4035984	2.356368
st_AR	.8925676	.7457787	1.20	0.231	-.5691319	2.354267
st_AZ	.4227784	.393611	1.07	0.283	-.348685	1.194242
st_CA	.775507	.4778296	1.62	0.105	-.1610218	1.712036
st_CO	.3832717	.3959899	0.97	0.333	-.3928543	1.159398
st_CT	1.245115	.6008401	2.07	0.038	.0674897	2.42274
st_DC	6.096447	1.561446	3.90	0.000	3.03607	9.156824
st_DE	.5222412	.4034596	1.29	0.196	-.2685251	1.313008
st_FL	.4117549	.3920447	1.05	0.294	-.3566385	1.180148
st_GA	.5548495	.5136058	1.08	0.280	-.4517994	1.561498
st_HI	.0252224	1.234503	0.02	0.984	-2.39436	2.444805
st_IA	.3344072	.3958482	0.84	0.398	-.4414411	1.110255
st_ID	-.3807273	1.063952	-0.36	0.720	-2.466035	1.70458
st_IL	.4576295	.3923098	1.17	0.243	-.3112836	1.226543
st_IN	-.177411	.6379935	-0.28	0.781	-1.427855	1.073033
st_KS	.1628873	.692138	0.24	0.814	-1.193678	1.519453
st_KY	-.1038707	.7305737	-0.14	0.887	-1.535769	1.328027
st_LA	.1104768	.9157836	0.12	0.904	-1.684426	1.90538
st_MA	.5509906	.3930524	1.40	0.161	-.2193779	1.321359
st_MD	3.108536	.7458309	4.17	0.000	1.646734	4.570338
st_ME	1.319977	.9563747	1.38	0.168	-.5544829	3.194437
st_MI	1.3027	.5814059	2.24	0.025	.1631657	2.442235
st_MN	.9236298	.6535502	1.41	0.158	-.357305	2.204565
st_MO	.25087	.5589773	0.45	0.654	-.8447055	1.346445
st_MS	-.0323039	.8247434	-0.04	0.969	-1.648771	1.584163
st_MT	.297179	2.646923	0.11	0.911	-4.890695	5.485053
st_NC	-.3609686	.5773477	-0.63	0.532	-1.492549	.7706121
st_ND	0	(omitted)				
st_NE	-.4212529	.7169898	-0.59	0.557	-1.826527	.9840214
st_NH	1.372929	.7455887	1.84	0.066	-.0883984	2.834256
st_NJ	.0518481	.5316409	0.10	0.922	-.9901489	1.093845
st_NM	-.032606	.9158623	-0.04	0.972	-1.827663	1.762451
st_NV	1.335594	.6307374	2.12	0.034	.099371	2.571816
st_NY	0	(omitted)				

st_OH	2.552403	.5904999	4.32	0.000	1.395045	3.709762
st_OK	.3849529	.3948863	0.97	0.330	-.38901	1.158916
st_OR	.2826143	.3959259	0.71	0.475	-.4933862	1.058615
st_PA	1.102427	.5468945	2.02	0.044	.030534	2.174321
st_PR	-.1192486	.8035355	-0.15	0.882	-1.694149	1.455652
st_RI	3.925448	1.06418	3.69	0.000	1.839693	6.011203
st_SC	.3659864	.3941146	0.93	0.353	-.4064639	1.138437
st_SD	4.231745	1.064023	3.98	0.000	2.146298	6.317192
st_TN	.7665442	.6622295	1.16	0.247	-.5314018	2.06449
st_TX	.8898845	.5359721	1.66	0.097	-.1606014	1.94037
st_UT	2.571724	.95666	2.69	0.007	.6967046	4.446743
st_VA	1.489225	.6456316	2.31	0.021	.2238102	2.75464
st_VT	.291946	.4105469	0.71	0.477	-.5127112	1.096603
st_WA	1.482732	.6174706	2.40	0.016	.2725123	2.692953
st_WI	.4078661	.3938268	1.04	0.300	-.3640203	1.179752
st_WV	.4410553	1.234507	0.36	0.721	-1.978534	2.860645
st_WY	-.006148	1.891419	-0.00	0.997	-3.713261	3.700965
pial	-.000408	.0001513	-2.70	0.007	-.0007046	-.0001115
pia_miss	-.8339248	.1313504	-6.35	0.000	-1.091367	-.5764828
ime1	.0002193	.0000502	4.37	0.000	.000121	.0003176
ime_miss	.3297444	.0752753	4.38	0.000	.1822076	.4772813
_cons	.2470585	.4242807	0.58	0.560	-.5845163	1.078633

nstw36						
mototkt	-.0042513	.0175122	-0.24	0.808	-.0385747	.0300721
male	.0657308	.0440873	1.49	0.136	-.0206787	.1521403
gendermiss_flag	-.4576446	3.099486	-0.15	0.883	-6.532525	5.617235
tsd_age	-.0453599	.0054378	-8.34	0.000	-.0560177	-.034702
doage2	.0029712	.004942	0.60	0.548	-.0067149	.0126573
doage2miss_flag	-.1441434	2.531213	-0.06	0.955	-5.10523	4.816943
race_a	.3157062	.189364	1.67	0.095	-.0554403	.6868528
race_b	.2303282	.0609604	3.78	0.000	.1108479	.3498085
race_h	.2740041	.0846729	3.24	0.001	.1080483	.4399599
race_i	-.1030414	.2247949	-0.46	0.647	-.5436314	.3375486
race_o	-.2414597	.2576732	-0.94	0.349	-.7464898	.2635704
race_mis	.1231095	.1792572	0.69	0.492	-.2282281	.4744471
tsd_edu_hs	.1037218	.0615968	1.68	0.092	-.0170056	.2244493
tsd_edu_mrhs	.4754528	.0723429	6.57	0.000	.3336632	.6172423
tsd_edu_mis	.3266586	.0713478	4.58	0.000	.1868196	.4664976
tsd_mie_exp	.021513	.1341013	0.16	0.873	-.2413208	.2843468
tsd_mie_mis	-.0098851	.0733854	-0.13	0.893	-.1537178	.1339476
tsd_mie_psbl	-.1111108	.0594639	-1.87	0.062	-.2276551	.005439
tsd_medicare	-.3033444	.0581891	-5.21	0.000	-.4173929	-.1892958
tsd_medicare_miss	-.4966441	.2110505	-2.35	0.019	-.9102955	-.0829926
tsd_depend_1	-.2147848	.0647805	-3.32	0.001	-.3417523	-.0878173
tsd_depend_2	-.1816688	.0568345	-3.20	0.001	-.2930623	-.0702753
tsd_depend_miss	.0784281	.1603472	0.49	0.625	-.2358466	.3927027
tsd_vrpr	.4796997	.0954337	5.03	0.000	.2926531	.6667463
tsd_vrpr_miss	.4553413	.0864404	5.27	0.000	.2859211	.6247614
pdcgrou2	-.1667291	.0714974	-2.33	0.020	-.3068614	-.0265968
pdcgrou3	.1207721	.0881602	1.37	0.171	-.0520188	.293563
pdcgrou4	.2356612	.064522	3.65	0.000	.1092005	.3621219
pdcgrou5	.0083896	.6900162	0.01	0.990	-1.344017	1.360797
cohort2000	.0601162	.0928308	0.65	0.517	-.1218289	.2420613
cohort2001	-.0388402	.1590488	-0.24	0.807	-.3505701	.2728897
cohort2002	-.0061722	.2322759	-0.03	0.979	-.4614247	.4490802
cohort2003	.4395483	.3727862	1.18	0.238	-.2910992	1.170196
cohort2004	.6037214	.3815005	1.58	0.114	-.1440058	1.351449
award_b4_tsd	.0789283	.1532543	0.52	0.607	-.2214447	.3793013
diaward_tsd	-.0138073	.0070551	-1.96	0.050	-.027635	.0000204
epeb4twp_flag	.8518044	1.257201	0.68	0.498	-1.612265	3.315874
ldwb4twp_flag	4.569701	1.22305	3.74	0.000	2.172567	6.966835
ldwb4epe_flag	6.445819	.5340757	12.07	0.000	5.39905	7.492588

twpb4tsd	5.026721	.0922689	54.48	0.000	4.845877	5.207565
epeb4tsd	2.450549	.1225316	20.00	0.000	2.210392	2.690706
ldwb4tsd	13.74978	.1807208	76.08	0.000	13.39557	14.10399
st_AL	.8667255	1.178951	0.74	0.462	-1.443977	3.177428
st_AR	1.618681	1.248763	1.30	0.195	-.8288504	4.066212
st_AZ	.7507223	.6590788	1.14	0.255	-.5410485	2.042493
st_CA	1.24435	.800098	1.56	0.120	-.3238135	2.812513
st_CO	.666445	.6630622	1.01	0.315	-.6331331	1.966023
st_CT	2.366661	1.006072	2.35	0.019	.3947958	4.338526
st_DC	9.877087	2.61455	3.78	0.000	4.752663	15.00151
st_DE	.9045373	.6755698	1.34	0.181	-.4195552	2.22863
st_FL	.7136233	.6564561	1.09	0.277	-.5730071	2.000254
st_GA	.9132957	.8600032	1.06	0.288	-.7722797	2.598871
st_HI	-.0874054	2.067105	-0.04	0.966	-4.138856	3.964045
st_IA	.5263067	.6628249	0.79	0.427	-.7728063	1.82542
st_ID	-.7502964	1.781526	-0.42	0.674	-4.242023	2.741431
st_IL	.7799794	.6569001	1.19	0.235	-.5075212	2.06748
st_IN	.4392636	1.068283	0.41	0.681	-1.654533	2.53306
st_KS	.152728	1.158945	0.13	0.895	-2.118763	2.424219
st_KY	-.2821028	1.223303	-0.23	0.818	-2.679734	2.115528
st_LA	.2018741	1.533427	0.13	0.895	-2.803587	3.207335
st_MA	.975285	.6581434	1.48	0.138	-.3146524	2.265222
st_MD	4.022728	1.248851	3.22	0.001	1.575026	6.47043
st_ME	2.964633	1.601394	1.85	0.064	-.1740417	6.103308
st_MI	2.074514	.9735305	2.13	0.033	.1664291	3.982599
st_MN	1.695073	1.094332	1.55	0.121	-.449778	3.839924
st_MO	.3163464	.9359752	0.34	0.735	-1.518131	2.150824
st_MS	.6300559	1.380985	0.46	0.648	-2.076625	3.336737
st_MT	.1137413	4.43212	0.03	0.980	-8.573054	8.800537
st_NC	-.5981287	.9667354	-0.62	0.536	-2.492895	1.296638
st_ND	0	(omitted)				
st_NE	-.7592559	1.200558	-0.63	0.527	-3.112306	1.593795
st_NH	2.462089	1.248445	1.97	0.049	.015181	4.908996
st_NJ	.1909153	.8902019	0.21	0.830	-1.553848	1.935679
st_NM	-.2093971	1.533558	-0.14	0.891	-3.215116	2.796322
st_NV	1.983595	1.056133	1.88	0.060	-.0863881	4.053578
st_NY	0	(omitted)				
st_OH	4.029083	.9887579	4.07	0.000	2.091153	5.967013
st_OK	.6260238	.6612143	0.95	0.344	-.6699324	1.92198
st_OR	.4476643	.6629549	0.68	0.500	-.8517035	1.747032
st_PA	1.710692	.9157431	1.87	0.062	-.0841317	3.505515
st_PR	-.3705007	1.345474	-0.28	0.783	-3.007581	2.266579
st_RI	6.485624	1.781908	3.64	0.000	2.993148	9.9781
st_SC	.5563885	.659922	0.84	0.399	-.7370349	1.849812
st_SD	7.870777	1.781645	4.42	0.000	4.378817	11.36274
st_TN	1.3477	1.108865	1.22	0.224	-.8256359	3.521035
st_TX	1.068402	.8974542	1.19	0.234	-.6905756	2.82738
st_UT	3.631434	1.601872	2.27	0.023	.4918228	6.771045
st_VA	2.80728	1.081073	2.60	0.009	.6884162	4.926144
st_VT	.6207428	.6874371	0.90	0.367	-.726609	1.968095
st_WA	2.78716	1.033919	2.70	0.007	.7607162	4.813603
st_WI	.6275441	.6594402	0.95	0.341	-.664935	1.920023
st_WV	.5639777	2.067111	0.27	0.785	-3.487485	4.615441
st_WY	-.2378083	3.167072	-0.08	0.940	-6.445155	5.969538
pial	-.0005345	.0002533	-2.11	0.035	-.0010311	-.000038
pia_miss	-1.262081	.2199386	-5.74	0.000	-1.693153	-.8310092
imel	.0003187	.000084	3.80	0.000	.0001541	.0004833
ime_miss	.3468745	.1260441	2.75	0.006	.0998326	.5939164
_cons	.9793284	.7104334	1.38	0.168	-.4130956	2.371752

nstw48

mototkt	-.0055229	.0253503	-0.22	0.828	-.0552087	.0441628
male	.1206416	.0638197	1.89	0.059	-.0044428	.245726

gendermiss_flag	-.7231076	4.486743	-0.16	0.872	-9.516963	8.070747
tsd_age	-.075229	.0078716	-9.56	0.000	-.0906571	-.0598009
doage2	.0042872	.0071539	0.60	0.549	-.0097342	.0183085
doage2miss_flag	-.0583844	3.664125	-0.02	0.987	-7.239938	7.123169
race_a	.47854	.2741189	1.75	0.081	-.0587232	1.015803
race_b	.3695515	.0882449	4.19	0.000	.1965947	.5425083
race_h	.4195819	.1225705	3.42	0.001	.1793482	.6598156
race_i	-.071493	.3254079	-0.22	0.826	-.7092809	.5662948
race_o	-.4046239	.3730017	-1.08	0.278	-1.135694	.326446
race_mis	.1177967	.2594885	0.45	0.650	-.3907915	.6263848
tsd_edu_hs	.1854004	.089166	2.08	0.038	.0106381	.3601626
tsd_edu_mrhs	.8151487	.1047219	7.78	0.000	.6098975	1.0204
tsd_edu_mis	.5307174	.1032813	5.14	0.000	.3282897	.7331451
tsd_mie_exp	.0497276	.194122	0.26	0.798	-.3307444	.4301997
tsd_mie_mis	-.0445314	.106231	-0.42	0.675	-.2527404	.1636775
tsd_mie_psbl	-.1985172	.0860785	-2.31	0.021	-.367228	-.0298064
tsd_medicare	-.4133144	.0842332	-4.91	0.000	-.5784084	-.2482205
tsd_medicare_mis	-.8787396	.3055119	-2.88	0.004	-1.477532	-.2799473
tsd_depend_1	-.3425121	.0937748	-3.65	0.000	-.5263073	-.158717
tsd_depend_2	-.2522673	.0822722	-3.07	0.002	-.4135179	-.0910166
tsd_depend_mis	.0089068	.2321148	0.04	0.969	-.4460299	.4638435
tsd_vrpr	.6344398	.1381476	4.59	0.000	.3636754	.9052041
tsd_vrpr_mis	.4720008	.1251292	3.77	0.000	.2267521	.7172495
pdcgrou2	-.3252058	.103498	-3.14	0.002	-.5280581	-.1223536
pdcgrou3	.2147055	.1276187	1.68	0.092	-.0354225	.4648335
pdcgrou4	.3252883	.0934005	3.48	0.000	.1422267	.5083499
pdcgrou5	-.2128596	.9988514	-0.21	0.831	-2.170572	1.744853
cohort2000	.1006476	.1343798	0.75	0.454	-.1627319	.3640271
cohort2001	.030804	.2302354	0.13	0.894	-.420449	.482057
cohort2002	.1057837	.3362372	0.31	0.753	-.5532292	.7647965
cohort2003	1.1893	.5396366	2.20	0.028	.1316322	2.246969
cohort2004	.9551655	.5522512	1.73	0.084	-.1272271	2.037558
award_b4_tsd	.1902305	.2218474	0.86	0.391	-.2445825	.6250434
diaward_tsd	-.0183235	.0102128	-1.79	0.073	-.0383402	.0016931
epeb4twp_flag	.6999503	1.819895	0.38	0.701	-2.866979	4.266879
ldwb4twp_flag	4.801849	1.770459	2.71	0.007	1.331814	8.271885
ldwb4epe_flag	10.2171	.7731155	13.22	0.000	8.701826	11.73238
twpb4tsd	6.988673	.1335663	52.32	0.000	6.726888	7.250458
epeb4tsd	2.959617	.1773739	16.69	0.000	2.611971	3.307263
ldwb4tsd	17.09365	.2616072	65.34	0.000	16.58091	17.60639
st_AL	.6423482	1.706623	0.38	0.707	-2.702571	3.987267
st_AR	2.352246	1.807681	1.30	0.193	-1.190743	5.895235
st_AZ	1.004835	.9540672	1.05	0.292	-.8651026	2.874772
st_CA	1.857323	1.158203	1.60	0.109	-.4127134	4.12736
st_CO	.9059263	.9598334	0.94	0.345	-.9753126	2.787165
st_CT	3.322518	1.456366	2.28	0.023	.4680923	6.176944
st_DC	13.43465	3.784762	3.55	0.000	6.016655	20.85265
st_DE	1.305927	.9779391	1.34	0.182	-.6107987	3.222652
st_FL	.9743877	.9502706	1.03	0.305	-.8881084	2.836884
st_GA	1.268998	1.244921	1.02	0.308	-1.171001	3.708998
st_HI	-.3613392	2.992292	-0.12	0.904	-6.226125	5.503446
st_IA	.6924424	.9594899	0.72	0.470	-1.188123	2.573008
st_ID	-.2290518	2.578896	-0.09	0.929	-5.283595	4.825491
st_IL	1.065437	.9509133	1.12	0.263	-.7983188	2.929193
st_IN	.9337498	1.546422	0.60	0.546	-2.097181	3.964681
st_KS	-.0066523	1.677662	-0.00	0.997	-3.294809	3.281505
st_KY	.1452125	1.770826	0.08	0.935	-3.325542	3.615967
st_LA	.2162084	2.219753	0.10	0.922	-4.134427	4.566844
st_MA	1.354148	.9527131	1.42	0.155	-.5131353	3.221432
st_MD	4.387186	1.807807	2.43	0.015	.8439494	7.930423
st_ME	3.101131	2.318141	1.34	0.181	-1.442341	7.644604
st_MI	2.531157	1.40926	1.80	0.072	-.2309421	5.293256
st_MN	2.059264	1.584129	1.30	0.194	-1.045573	5.1641

st_MO	.5905258	1.354896	0.44	0.663	-2.065022	3.246073
st_MS	.8100389	1.999082	0.41	0.685	-3.10809	4.728167
st_MT	-.3579401	6.415834	-0.06	0.956	-12.93274	12.21686
st_NC	-.7828792	1.399424	-0.56	0.576	-3.525699	1.959941
st_ND	0	(omitted)				
st_NE	-1.206343	1.7379	-0.69	0.488	-4.612564	2.199878
st_NH	2.738024	1.80722	1.52	0.130	-.8040629	6.28011
st_NJ	.5267917	1.288636	0.41	0.683	-1.998888	3.052471
st_NM	-.5544783	2.219943	-0.25	0.803	-4.905487	3.796531
st_NV	2.634379	1.528834	1.72	0.085	-.3620809	5.630838
st_NY	0	(omitted)				
st_OH	5.537519	1.431303	3.87	0.000	2.732217	8.342822
st_OK	.8336317	.9571585	0.87	0.384	-1.042364	2.709628
st_OR	.5356146	.9596781	0.56	0.577	-1.34532	2.416549
st_PA	2.429898	1.325608	1.83	0.067	-.1682472	5.028042
st_PR	-.8124152	1.947676	-0.42	0.677	-4.629791	3.004961
st_RI	8.89792	2.579449	3.45	0.001	3.842292	13.95355
st_SC	.662229	.9552878	0.69	0.488	-1.210101	2.534559
st_SD	10.84535	2.579068	4.21	0.000	5.790473	15.90023
st_TN	1.974567	1.605167	1.23	0.219	-1.171503	5.120637
st_TX	1.282396	1.299134	0.99	0.324	-1.26386	3.828651
st_UT	4.453443	2.318832	1.92	0.055	-.0913851	8.998271
st_VA	4.051178	1.564936	2.59	0.010	.9839606	7.118396
st_VT	.8422137	.9951179	0.85	0.397	-1.108181	2.792609
st_WA	4.359143	1.496677	2.91	0.004	1.425711	7.292576
st_WI	.802875	.9545903	0.84	0.400	-1.068088	2.673838
st_WV	.4985697	2.992302	0.17	0.868	-5.366234	6.363373
st_WY	-.6785227	4.584579	-0.15	0.882	-9.664133	8.307088
pial	-.0006304	.0003667	-1.72	0.086	-.0013491	.0000884
pia_miss	-1.615612	.318378	-5.07	0.000	-2.239621	-.9916023
ime1	.000411	.0001216	3.38	0.001	.0001728	.0006493
ime_miss	.2287927	.1824585	1.25	0.210	-.1288194	.5864048
_cons	2.040031	1.028407	1.98	0.047	.0243907	4.055672

Endogenous variables: nstw12 nstw24 nstw36 nstw48 mototkt

Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
epb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epb4tsd ldwb4tsd
st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
st_WI st_WV st_WY pial pia_miss ime1 ime_miss imm1 imm3 imm4

(1) 12*[nstw12]mototkt + 12*[nstw24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.094907	.1741047	-0.55	0.586	-.4361459 .246332

(1) 12*[nstw12]mototkt + 12*[nstw24]mototkt + 12*[nstw36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.1459225	.3749428	-0.39	0.697	-.8807969 .5889518

(1) 12*[nstw12]mototkt + 12*[nstw24]mototkt + 12*[nstw36]mototkt + 12*[nstw48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.2121979	.6655974	-0.32	0.750	-1.516745	1.092349

phase 2 dependent variable: ldwroll, unemployment: nounemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
ldwroll12	77161	97	.1250292	0.1125	9785.58	0.0000
ldwroll24	77161	97	.1716669	0.1140	9928.14	0.0000
ldwroll36	77161	97	.204299	0.1084	9378.68	0.0000
ldwroll48	77161	97	.2284286	0.1047	9024.34	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
ldwroll12						
mototkt	-1.37e-06	.0001584	-0.01	0.993	-.0003118	.0003091
male	.00333	.0009511	3.50	0.000	.0014658	.0051941
gendermiss_flag	-.0108486	.1251332	-0.09	0.931	-.2561052	.2344079
tsd_age	-.0007085	.0001188	-5.97	0.000	-.0009413	-.0004757
doage2	3.03e-06	.0001076	0.03	0.978	-.0002079	.000214
doage2miss_flag	-.0145908	.1251984	-0.12	0.907	-.2599752	.2307936
race_a	-.0022982	.0048996	-0.47	0.639	-.0119013	.0073049
race_b	.0050794	.001185	4.29	0.000	.0027568	.0074021
race_h	.0073282	.0027103	2.70	0.007	.0020161	.0126404
race_i	.0052056	.0058194	0.89	0.371	-.0062003	.0166115
race_o	-.0001762	.0071473	-0.02	0.980	-.0141846	.0138322
race_mis	.0008036	.0041621	0.19	0.847	-.007354	.0089612
tsd_edu_hs	.0036916	.0013072	2.82	0.005	.0011296	.0062536
tsd_edu_mrhs	.0091627	.0015692	5.84	0.000	.0060871	.0122383
tsd_edu_mis	.0056329	.0014844	3.79	0.000	.0027235	.0085423
tsd_mie_exp	.0027095	.0026004	1.04	0.297	-.0023872	.0078061
tsd_mie_mis	.000781	.0015491	0.50	0.614	-.0022551	.0038171
tsd_mie_psbl	.000548	.0013006	0.42	0.673	-.0020011	.0030971
tsd_medicare	-.0041949	.0013941	-3.01	0.003	-.0069273	-.0014625
tsd_medicare_miss	-.0078105	.0054741	-1.43	0.154	-.0185395	.0029184
tsd_depend_1	-.0027587	.0013298	-2.07	0.038	-.0053651	-.0001522
tsd_depend_2	-.0021758	.0011765	-1.85	0.064	-.0044817	.0001301
tsd_depend_miss	.0015974	.0037795	0.42	0.673	-.0058104	.0090051
tsd_vrpr	.0136194	.0023211	5.87	0.000	.0090701	.0181688
tsd_vrpr_miss	.0089117	.0021513	4.14	0.000	.0046953	.0131282
pdcgrou2	-.0023151	.001574	-1.47	0.141	-.0054002	.0007699
pdcgrou3	.0027369	.0017961	1.52	0.128	-.0007835	.0062572
pdcgrou4	.0032396	.0013849	2.34	0.019	.0005253	.005954
pdcgrou5	-.0013024	.0136881	-0.10	0.924	-.0281306	.0255259
cohort2000	.0013366	.002119	0.63	0.528	-.0028166	.0054899
cohort2001	.0078484	.0034957	2.25	0.025	.0009971	.0146998
cohort2002	.0061261	.0049104	1.25	0.212	-.0034981	.0157503
cohort2003	.0079647	.0090193	0.88	0.377	-.0097127	.0256422
cohort2004	.0048172	.0095612	0.50	0.614	-.0139224	.0235567
award_b4_tsd	.0009053	.0043464	0.21	0.835	-.0076136	.0094241

diaward_tsd	-.0000964	.0001485	-0.65	0.516	-.0003874	.0001946
epeb4twp_flag	-.0010826	.0441428	-0.02	0.980	-.0876008	.0854356
ldwb4twp_flag	.2677329	.0321377	8.33	0.000	.2047442	.3307217
ldwb4epe_flag	.0921922	.0132482	6.96	0.000	.0662262	.1181583
twpb4tsd	.1586831	.0019706	80.53	0.000	.1548208	.1625454
epeb4tsd	.073219	.002702	27.10	0.000	.0679232	.0785149
ldwb4tsd	-.1000655	.0037938	-26.38	0.000	-.1075012	-.0926297
st_AL	-.0041791	.0174496	-0.24	0.811	-.0383797	.0300216
st_AR	-.0110963	.0063057	-1.76	0.078	-.0234553	.0012627
st_AZ	-.0201278	.0113069	-1.78	0.075	-.0422891	.0020334
st_CA	-.0376697	.0134482	-2.80	0.005	-.0640278	-.0113116
st_CO	-.0203792	.0141976	-1.44	0.151	-.048206	.0074477
st_CT	-.0114094	.0063216	-1.80	0.071	-.0237995	.0009807
st_DC	-.0030359	.0088865	-0.34	0.733	-.0204532	.0143813
st_DE	-.0276771	.0173327	-1.60	0.110	-.0616485	.0062943
st_FL	-.012087	.0081456	-1.48	0.138	-.0280519	.003878
st_GA	-.0077967	.0060927	-1.28	0.201	-.0197381	.0041447
st_HI	-.01445	.0513898	-0.28	0.779	-.1151723	.0862722
st_IA	-.016761	.0151166	-1.11	0.268	-.046389	.0128671
st_ID	-.0025696	.0421047	-0.06	0.951	-.0850933	.079954
st_IL	-.0210402	.0094557	-2.23	0.026	-.039573	-.0025074
st_IN	-.0104279	.006113	-1.71	0.088	-.0224091	.0015533
st_KS	-.0158302	.0065305	-2.42	0.015	-.0286299	-.0030306
st_KY	-.0112242	.0061358	-1.83	0.067	-.0232501	.0008016
st_LA	-.0082549	.0062214	-1.33	0.185	-.0204486	.0039388
st_MA	-.0143363	.0089571	-1.60	0.109	-.031892	.0032193
st_MD	.0370736	.01719	2.16	0.031	.0033817	.0707654
st_ME	-.0151651	.0318188	-0.48	0.634	-.0775287	.0471986
st_MI	-.0073073	.0060239	-1.21	0.225	-.0191139	.0044993
st_MN	.0008236	.0239586	0.03	0.973	-.0461344	.0477816
st_MO	-.011901	.0061204	-1.94	0.052	-.0238968	.0000948
st_MS	-.0054779	.0062611	-0.87	0.382	-.0177495	.0067936
st_MT	-.0154817	.0078676	-1.97	0.049	-.0309019	-.0000614
st_NC	-.0344812	.0158721	-2.17	0.030	-.0655899	-.0033724
st_ND	-.0209553	.0088178	-2.38	0.017	-.0382379	-.0036727
st_NE	-.0352495	.0421048	-0.84	0.402	-.1177734	.0472744
st_NH	-.0132022	.0067365	-1.96	0.050	-.0264054	1.09e-06
st_NJ	-.0060655	.0061002	-0.99	0.320	-.0180217	.0058908
st_NM	-.0035001	.0068579	-0.51	0.610	-.0169414	.0099411
st_NV	-.0101867	.0067072	-1.52	0.129	-.0233326	.0029591
st_NY	-.0131232	.007589	-1.73	0.084	-.0279973	.001751
st_OH	.0027712	.0154214	0.18	0.857	-.0274543	.0329966
st_OK	.0043323	.0148671	0.29	0.771	-.0248067	.0334712
st_OR	-.0140865	.0137352	-1.03	0.305	-.041007	.012834
st_PA	-.0152726	.0149424	-1.02	0.307	-.0445593	.014014
st_PR	-.0088764	.031883	-0.28	0.781	-.0713659	.0536131
st_RI	-.0997354	.0562992	-1.77	0.076	-.2100798	.0106089
st_SC	-.016455	.0098465	-1.67	0.095	-.0357538	.0028437
st_SD	-.0167946	.0082776	-2.03	0.042	-.0330183	-.00005709
st_TN	-.0084086	.0061153	-1.38	0.169	-.0203943	.0035772
st_TX	-.0169261	.0132546	-1.28	0.202	-.0429047	.0090525
st_UT	-.028204	.0446077	-0.63	0.527	-.1156334	.0592255
st_VA	-.00734	.0061021	-1.20	0.229	-.0192999	.0046198
st_VT	-.0388735	.0243782	-1.59	0.111	-.0866538	.0089069
st_WA	.0004518	.021939	0.02	0.984	-.0425478	.0434513
st_WI	-.0212942	.0121333	-1.76	0.079	-.0450751	.0024866
st_WV	-.0238048	.0300599	-0.79	0.428	-.0827211	.0351114
st_WY	-.0146403	.0724397	-0.20	0.840	-.1566196	.127339
pial	-5.61e-06	5.52e-06	-1.02	0.310	-.0000164	5.22e-06
pia_miss	-.0177965	.0050938	-3.49	0.000	-.0277802	-.0078129
ime1	3.31e-06	1.80e-06	1.83	0.067	-2.31e-07	6.84e-06
ime_miss	.0016018	.0027264	0.59	0.557	-.0037418	.0069454
_cons	.0238925	.00904	2.64	0.008	.0061744	.0416105

ldwroll24						
mototkt	-.0003071	.0002175	-1.41	0.158	-.0007334	.0001191
male	.0069563	.0013059	5.33	0.000	.0043968	.0095158
gendermiss_flag	-.048614	.1718096	-0.28	0.777	-.3853546	.2881266
tsd_age	-.0013146	.0001631	-8.06	0.000	-.0016342	-.000995
doage2	-.0000639	.0001478	-0.43	0.666	-.0003535	.0002257
doage2miss_flag	-.0188009	.1718992	-0.11	0.913	-.355717	.3181153
race_a	-.003554	.0067273	-0.53	0.597	-.0167392	.0096312
race_b	.0099808	.0016271	6.13	0.000	.0067918	.0131698
race_h	.0046355	.0037213	1.25	0.213	-.0026582	.0119291
race_i	.0162857	.0079902	2.04	0.042	.0006252	.0319461
race_o	.0152787	.0098133	1.56	0.119	-.003955	.0345124
race_mis	.0042433	.0057146	0.74	0.458	-.0069572	.0154437
tsd_edu_hs	.0041878	.0017948	2.33	0.020	.0006702	.0077055
tsd_edu_mrhs	.015834	.0021545	7.35	0.000	.0116112	.0200569
tsd_edu_mis	.0085732	.0020381	4.21	0.000	.0045785	.0125679
tsd_mie_exp	.0030875	.0035703	0.86	0.387	-.0039102	.0100853
tsd_mie_mis	-.0029393	.0021269	-1.38	0.167	-.0071079	.0012293
tsd_mie_psbl	.0000487	.0017857	0.03	0.978	-.0034512	.0035487
tsd_medicare	-.0082361	.0019141	-4.30	0.000	-.0119877	-.0044845
tsd_medicare_miss	-.0205005	.007516	-2.73	0.006	-.0352314	-.0057695
tsd_depend_1	-.0052757	.0018259	-2.89	0.004	-.0088544	-.001697
tsd_depend_2	-.0022574	.0016154	-1.40	0.162	-.0054235	.0009087
tsd_depend_miss	-.0058858	.0051893	-1.13	0.257	-.0160567	.0042851
tsd_vrpr	.0194191	.003187	6.09	0.000	.0131728	.0256654
tsd_vrpr_miss	.0056954	.0029538	1.93	0.054	-.0000939	.0114846
pdcgrou2	-.0044638	.0021612	-2.07	0.039	-.0086996	-.000228
pdcgrou3	.005207	.0024661	2.11	0.035	.0003735	.0100405
pdcgrou4	.0065202	.0019015	3.43	0.001	.0027934	.0102471
pdcgrou5	-.0121764	.018794	-0.65	0.517	-.049012	.0246592
cohort2000	-.0004165	.0029095	-0.14	0.886	-.0061189	.005286
cohort2001	.0075495	.0047996	1.57	0.116	-.0018576	.0169565
cohort2002	.0047059	.0067421	0.70	0.485	-.0085083	.0179201
cohort2003	.0169936	.0123836	1.37	0.170	-.0072778	.041265
cohort2004	.0083075	.0131276	0.63	0.527	-.0174222	.0340372
award_b4_tsd	.0107874	.0059677	1.81	0.071	-.0009091	.0224839
diaward_tsd	-.000309	.0002039	-1.52	0.130	-.0007085	.0000905
epeb4twp_flag	-.0883083	.0606086	-1.46	0.145	-.207099	.0304824
ldwb4twp_flag	.417309	.0441255	9.46	0.000	.3308246	.5037934
ldwb4epe_flag	.2367396	.01819	13.01	0.000	.2010878	.2723913
twpb4tsd	.218204	.0027057	80.65	0.000	.2129011	.223507
epeb4tsd	.0692978	.0037099	18.68	0.000	.0620266	.076569
ldwb4tsd	-.14199	.005209	-27.26	0.000	-.1521994	-.1317806
st_AL	.0253886	.0239586	1.06	0.289	-.0215693	.0723466
st_AR	-.006176	.0086579	-0.71	0.476	-.0231451	.0107931
st_AZ	.0043834	.0155246	0.28	0.778	-.0260443	.034811
st_CA	-.0200473	.0184646	-1.09	0.278	-.0562373	.0161427
st_CO	-.0281992	.0194936	-1.45	0.148	-.0664058	.0100075
st_CT	-.0019717	.0086796	-0.23	0.820	-.0189835	.0150401
st_DC	.027606	.0122013	2.26	0.024	.0036919	.0515201
st_DE	.0321985	.023798	1.35	0.176	-.0144447	.0788417
st_FL	.0058851	.011184	0.53	0.599	-.016035	.0278053
st_GA	.0040617	.0083653	0.49	0.627	-.012334	.0204574
st_HI	-.0162611	.070559	-0.23	0.818	-.1545541	.1220319
st_IA	-.0163447	.0207553	-0.79	0.431	-.0570244	.024335
st_ID	.1097998	.0578103	1.90	0.058	-.0035063	.2231059
st_IL	-.0146985	.0129828	-1.13	0.258	-.0401442	.0107473
st_IN	-.0021084	.0083932	-0.25	0.802	-.0185587	.0143419
st_KS	-.0039226	.0089665	-0.44	0.662	-.0214967	.0136514
st_KY	-.0058353	.0084245	-0.69	0.489	-.022347	.0106764
st_LA	.0049944	.0085421	0.58	0.559	-.0117477	.0217366
st_MA	.0078763	.0122982	0.64	0.522	-.0162278	.0319804

st_MD	.0468144	.0236021	1.98	0.047	.0005551	.0930738
st_ME	-.0173322	.0436876	-0.40	0.692	-.1029584	.068294
st_MI	.0043109	.0082709	0.52	0.602	-.0118998	.0205215
st_MN	-.0077926	.0328955	-0.24	0.813	-.0722665	.0566814
st_MO	-.0019323	.0084034	-0.23	0.818	-.0184027	.0145381
st_MS	.0040567	.0085966	0.47	0.637	-.0127923	.0209056
st_MT	-.0092006	.0108023	-0.85	0.394	-.0303728	.0119716
st_NC	-.0326646	.0217926	-1.50	0.134	-.0753774	.0100481
st_ND	-.0130183	.012107	-1.08	0.282	-.0367475	.0107109
st_NE	-.0483122	.0578105	-0.84	0.403	-.1616187	.0649943
st_NH	.0060119	.0092493	0.65	0.516	-.0121164	.0241401
st_NJ	.008605	.0083757	1.03	0.304	-.0078111	.0250211
st_NM	.0071634	.009416	0.76	0.447	-.0112916	.0256184
st_NV	.0043481	.0092091	0.47	0.637	-.0137014	.0223975
st_NY	-.0029025	.0104198	-0.28	0.781	-.0233248	.0175199
st_OH	-.0077679	.0211738	-0.37	0.714	-.0492678	.033732
st_OK	.0007944	.0204127	0.04	0.969	-.0392138	.0408026
st_OR	.0090874	.0188586	0.48	0.630	-.0278748	.0460495
st_PA	-.0207619	.0205162	-1.01	0.312	-.0609729	.0194491
st_PR	-.0022891	.0437758	-0.05	0.958	-.088088	.0835099
st_RI	-.1317012	.0772995	-1.70	0.088	-.2832055	.0198031
st_SC	-.0136906	.0135193	-1.01	0.311	-.040188	.0128068
st_SD	-.0067211	.0113652	-0.59	0.554	-.0289965	.0155543
st_TN	-.0007465	.0083964	-0.09	0.929	-.0172031	.0157101
st_TX	-.018287	.0181988	-1.00	0.315	-.053956	.0173819
st_UT	-.030812	.061247	-0.50	0.615	-.1508539	.0892298
st_VA	.0043412	.0083782	0.52	0.604	-.0120798	.0207622
st_VT	-.015237	.0334716	-0.46	0.649	-.08084	.0503661
st_WA	-.0097546	.0301225	-0.32	0.746	-.0687936	.0492843
st_WI	-.0214949	.0166592	-1.29	0.197	-.0541464	.0111565
st_WV	.0260785	.0412726	0.63	0.527	-.0548143	.1069713
st_WY	-.0185619	.0994608	-0.19	0.852	-.2135014	.1763776
pial	-.0000121	7.58e-06	-1.60	0.111	-.000027	2.76e-06
pia_miss	-.0249348	.0069939	-3.57	0.000	-.0386425	-.0112271
ime1	6.64e-06	2.48e-06	2.68	0.007	1.79e-06	.0000115
ime_miss	-.0029523	.0037433	-0.79	0.430	-.0102891	.0043845
_cons	.0578733	.012412	4.66	0.000	.0335461	.0822004

ldwroll136

mototkt	-.0002368	.0002588	-0.91	0.360	-.0007441	.0002705
male	.0089824	.0015541	5.78	0.000	.0059363	.0120284
gendermiss_flag	-.0890888	.2044689	-0.44	0.663	-.4898405	.311663
tsd_age	-.0018676	.0001941	-9.62	0.000	-.0022479	-.0014872
doage2	-.0002068	.0001758	-1.18	0.239	-.0005515	.0001378
doage2miss_flag	-.042164	.2045755	-0.21	0.837	-.4431246	.3587966
race_a	-.0049857	.0080061	-0.62	0.533	-.0206772	.0107059
race_b	.0154129	.0019364	7.96	0.000	.0116176	.0192081
race_h	.0080081	.0044287	1.81	0.071	-.000672	.0166882
race_i	.0180511	.009509	1.90	0.058	-.0005863	.0366884
race_o	.0074432	.0116787	0.64	0.524	-.0154467	.030333
race_mis	.0020628	.0068009	0.30	0.762	-.0112668	.0153923
tsd_edu_hs	.0043303	.0021359	2.03	0.043	.000144	.0085166
tsd_edu_mrhs	.022997	.0025641	8.97	0.000	.0179715	.0280226
tsd_edu_mis	.0127873	.0024256	5.27	0.000	.0080333	.0175413
tsd_mie_exp	.0024998	.004249	0.59	0.556	-.0058281	.0108278
tsd_mie_mis	-.0050107	.0025312	-1.98	0.048	-.0099717	-.0000497
tsd_mie_psbl	-.0011404	.0021252	-0.54	0.592	-.0053056	.0030249
tsd_medicare	-.0094306	.002278	-4.14	0.000	-.0138954	-.0049659
tsd_medicare_miss	-.0309065	.0089447	-3.46	0.001	-.0484377	-.0133753
tsd_depend_1	-.0087259	.002173	-4.02	0.000	-.0129849	-.0044669
tsd_depend_2	-.0027662	.0019224	-1.44	0.150	-.0065341	.0010017
tsd_depend_miss	-.0160641	.0061758	-2.60	0.009	-.0281684	-.0039598
tsd_vrpr	.0112188	.0037928	2.96	0.003	.0037851	.0186524

tsd_vrpr_miss	-.0092356	.0035152	-2.63	0.009	-.0161253	-.0023458
pdcgroup2	-.008149	.002572	-3.17	0.002	-.01319	-.003108
pdcgroup3	.0044139	.0029349	1.50	0.133	-.0013384	.0101662
pdcgroup4	.0052621	.0022629	2.33	0.020	.0008268	.0096974
pdcgroup5	-.0013298	.0223666	-0.06	0.953	-.0451675	.0425079
cohort2000	-.0003431	.0034625	-0.10	0.921	-.0071295	.0064434
cohort2001	.0081732	.0057119	1.43	0.152	-.003022	.0193684
cohort2002	.0043453	.0080237	0.54	0.588	-.0113809	.0200714
cohort2003	.035161	.0147376	2.39	0.017	.0062758	.0640462
cohort2004	.0292886	.015623	1.87	0.061	-.001332	.0599092
award_b4_tsd	.0140691	.0071021	1.98	0.048	.0001492	.027989
diaward_tsd	-.0005049	.0002426	-2.08	0.037	-.0009803	-.0000294
epeb4twp_flag	.1241432	.0721297	1.72	0.085	-.0172284	.2655149
ldwb4twp_flag	.426797	.0525133	8.13	0.000	.3238727	.5297212
ldwb4epe_flag	.3656169	.0216477	16.89	0.000	.3231881	.4080457
twpb4tsd	.2456566	.00322	76.29	0.000	.2393456	.2519677
epeb4tsd	.054287	.0044151	12.30	0.000	.0456336	.0629405
ldwb4tsd	-.1637232	.0061991	-26.41	0.000	-.1758733	-.1515731
st_AL	.0369355	.0285129	1.30	0.195	-.0189488	.0928197
st_AR	-.0153706	.0103036	-1.49	0.136	-.0355654	.0048242
st_AZ	.0011436	.0184757	0.06	0.951	-.035068	.0373553
st_CA	-.01805	.0219746	-0.82	0.411	-.0611193	.0250194
st_CO	-.0305022	.0231991	-1.31	0.189	-.0759716	.0149672
st_CT	-.0093186	.0103296	-0.90	0.367	-.0295641	.010927
st_DC	.0108847	.0145206	0.75	0.453	-.0175753	.0393446
st_DE	.0095994	.0283217	0.34	0.735	-.0459102	.065109
st_FL	.0018265	.0133099	0.14	0.891	-.0242604	.0279135
st_GA	-.0010146	.0099555	-0.10	0.919	-.0205269	.0184978
st_HI	-.0358623	.0839715	-0.43	0.669	-.2004434	.1287189
st_IA	-.0394835	.0247007	-1.60	0.110	-.087896	.0089291
st_ID	.0925927	.0687995	1.35	0.178	-.0422518	.2274372
st_IL	-.0231048	.0154507	-1.50	0.135	-.0533876	.007178
st_IN	-.010667	.0099886	-1.07	0.286	-.0302444	.0089103
st_KS	-.0059268	.010671	-0.56	0.579	-.0268415	.0149879
st_KY	-.0174875	.0100259	-1.74	0.081	-.0371379	.0021629
st_LA	-.0028939	.0101658	-0.28	0.776	-.0228186	.0170307
st_MA	.0192501	.014636	1.32	0.188	-.009436	.0479361
st_MD	.0558592	.0280887	1.99	0.047	.0008064	.110912
st_ME	-.0383836	.0519922	-0.74	0.460	-.1402865	.0635193
st_MI	-.0051104	.0098431	-0.52	0.604	-.0244025	.0141817
st_MN	-.0329138	.0391486	-0.84	0.400	-.1096436	.0438161
st_MO	-.0140863	.0100008	-1.41	0.159	-.0336876	.005515
st_MS	-.0049839	.0102307	-0.49	0.626	-.0250357	.0150679
st_MT	-.0082682	.0128558	-0.64	0.520	-.0334651	.0169286
st_NC	-.019069	.0259352	-0.74	0.462	-.069901	.0317631
st_ND	-.0236451	.0144084	-1.64	0.101	-.051885	.0045948
st_NE	-.0773227	.0687997	-1.12	0.261	-.2121676	.0575222
st_NH	.0035657	.0110075	0.32	0.746	-.0180085	.02514
st_NJ	.0018142	.0099678	0.18	0.856	-.0177224	.0213508
st_NM	-.0025478	.0112059	-0.23	0.820	-.024511	.0194153
st_NV	-.0026356	.0109596	-0.24	0.810	-.0241161	.0188448
st_NY	-.0094444	.0124005	-0.76	0.446	-.0337489	.0148601
st_OH	.0047279	.0251988	0.19	0.851	-.0446607	.0541166
st_OK	.0519186	.024293	2.14	0.033	.0043053	.099532
st_OR	.007359	.0224434	0.33	0.743	-.0366293	.0513474
st_PA	-.0415956	.0244161	-1.70	0.088	-.0894503	.006259
st_PR	-.0222489	.0520971	-0.43	0.669	-.1243574	.0798596
st_RI	-.1688983	.0919934	-1.84	0.066	-.3492021	.0114054
st_SC	-.0311629	.0160892	-1.94	0.053	-.0626972	.0003714
st_SD	-.0213096	.0135256	-1.58	0.115	-.0478193	.0052002
st_TN	-.0108559	.0099925	-1.09	0.277	-.0304408	.0087289
st_TX	-.0086275	.0216582	-0.40	0.690	-.0510768	.0338218
st_UT	-.0477068	.0728894	-0.65	0.513	-.1905674	.0951538

st_VA	-.0028072	.0099708	-0.28	0.778	-.0223497	.0167352
st_VT	-.0386085	.0398342	-0.97	0.332	-.1166821	.0394651
st_WA	-.0075676	.0358485	-0.21	0.833	-.0778293	.0626941
st_WI	-.0311614	.019826	-1.57	0.116	-.0700196	.0076968
st_WV	.0582181	.0491181	1.19	0.236	-.0380516	.1544879
st_WY	.2890802	.1183673	2.44	0.015	.0570846	.5210758
pial	-8.63e-06	9.02e-06	-0.96	0.339	-.0000263	9.05e-06
pia_miss	-.0235928	.0083233	-2.83	0.005	-.0399062	-.0072794
ime1	6.60e-06	2.95e-06	2.24	0.025	8.23e-07	.0000124
ime_miss	-.0109593	.0044549	-2.46	0.014	-.0196908	-.0022279
_cons	.1180945	.0147714	7.99	0.000	.089143	.147046

ldwroll48						
mototkt	-.000469	.0002894	-1.62	0.105	-.0010363	.0000982
male	.0107742	.0017377	6.20	0.000	.0073684	.01418
gendermiss_flag	-.1272036	.2286185	-0.56	0.578	-.5752876	.3208805
tsd_age	-.0025286	.000217	-11.65	0.000	-.0029538	-.0021033
doage2	-.0001445	.0001966	-0.74	0.462	-.0005299	.0002408
doage2miss_flag	-.0705843	.2287377	-0.31	0.758	-.5189019	.3777333
race_a	-.0018084	.0089516	-0.20	0.840	-.0193533	.0157365
race_b	.0215569	.0021651	9.96	0.000	.0173134	.0258004
race_h	.0109257	.0049518	2.21	0.027	.0012204	.020631
race_i	.0189048	.0106321	1.78	0.075	-.0019338	.0397434
race_o	.0019563	.0130581	0.15	0.881	-.023637	.0275496
race_mis	.00362	.0076042	0.48	0.634	-.0112839	.0185239
tsd_edu_hs	.0050602	.0023882	2.12	0.034	.0003794	.009741
tsd_edu_mrhs	.029104	.0028669	10.15	0.000	.0234849	.0347231
tsd_edu_mis	.0141294	.0027121	5.21	0.000	.0088138	.0194449
tsd_mie_exp	.0028001	.0047509	0.59	0.556	-.0065115	.0121116
tsd_mie_mis	-.0064558	.0028301	-2.28	0.023	-.0120028	-.0009089
tsd_mie_psbl	-.0029036	.0023762	-1.22	0.222	-.0075608	.0017536
tsd_medicare	-.0106137	.002547	-4.17	0.000	-.0156058	-.0056216
tsd_medicare_miss	-.0410493	.0100011	-4.10	0.000	-.0606511	-.0214475
tsd_depend_1	-.0084005	.0024296	-3.46	0.001	-.0131625	-.0036385
tsd_depend_2	-.0008516	.0021495	-0.40	0.692	-.0050645	.0033613
tsd_depend_miss	-.0283345	.0069052	-4.10	0.000	-.0418685	-.0148006
tsd_vrpr	-.0052359	.0042407	-1.23	0.217	-.0135475	.0030758
tsd_vrpr_miss	-.032677	.0039304	-8.31	0.000	-.0403805	-.0249735
pdcgrou2	-.0129017	.0028758	-4.49	0.000	-.018538	-.0072653
pdcgrou3	.0034821	.0032815	1.06	0.289	-.0029496	.0099138
pdcgrou4	.0042533	.0025302	1.68	0.093	-.0007058	.0092124
pdcgrou5	-.0132012	.0250083	-0.53	0.598	-.0622165	.0358141
cohort2000	-.0031691	.0038715	-0.82	0.413	-.0107571	.0044189
cohort2001	.0020702	.0063866	0.32	0.746	-.0104473	.0145877
cohort2002	-.0042851	.0089713	-0.48	0.633	-.0218686	.0132984
cohort2003	.0380497	.0164782	2.31	0.021	.0057529	.0703464
cohort2004	.037339	.0174683	2.14	0.033	.0031018	.0715761
award_b4_tsd	.0132084	.007941	1.66	0.096	-.0023556	.0287723
diaward_tsd	-.0007757	.0002713	-2.86	0.004	-.0013074	-.0002441
epeb4twp_flag	.089353	.0806489	1.11	0.268	-.0687159	.247422
ldwb4twp_flag	.4913837	.0587156	8.37	0.000	.3763032	.6064642
ldwb4epe_flag	.4982238	.0242045	20.58	0.000	.4507838	.5456638
twpb4tsd	.2570489	.0036003	71.40	0.000	.2499924	.2641053
epeb4tsd	.0424125	.0049366	8.59	0.000	.032737	.052088
ldwb4tsd	-.1806264	.0069313	-26.06	0.000	-.1942115	-.1670413
st_AL	.0268205	.0318805	0.84	0.400	-.0356641	.0893052
st_AR	-.0278045	.0115206	-2.41	0.016	-.0503844	-.0052245
st_AZ	-.006685	.0206578	-0.32	0.746	-.0471736	.0338035
st_CA	-.0276143	.0245699	-1.12	0.261	-.0757705	.0205419
st_CO	-.0465152	.0259391	-1.79	0.073	-.0973549	.0043245
st_CT	-.0245013	.0115496	-2.12	0.034	-.0471381	-.0018646
st_DC	.0056688	.0162357	0.35	0.727	-.0261525	.0374901
st_DE	-.0003729	.0316668	-0.01	0.991	-.0624386	.0616929

st_FL	.0020708	.0148819	0.14	0.889	-.0270973	.0312388
st_GA	-.0132596	.0111313	-1.19	0.234	-.0350765	.0085573
st_HI	-.0601299	.0938893	-0.64	0.522	-.2441496	.1238897
st_IA	-.0288941	.0276181	-1.05	0.295	-.0830246	.0252364
st_ID	.1817755	.0769253	2.36	0.018	.0310047	.3325464
st_IL	-.047798	.0172755	-2.77	0.006	-.0816574	-.0139386
st_IN	-.0261062	.0111684	-2.34	0.019	-.0479958	-.0042166
st_KS	-.0151129	.0119313	-1.27	0.205	-.0384978	.008272
st_KY	-.0316706	.011121	-2.83	0.005	-.0536419	-.0096993
st_LA	-.0136908	.0113665	-1.20	0.228	-.0359687	.0085871
st_MA	.0074259	.0163647	0.45	0.650	-.0246482	.0395
st_MD	.0620923	.0314062	1.98	0.048	.0005373	.1236473
st_ME	-.0618457	.058133	-1.06	0.287	-.1757842	.0520928
st_MI	-.0177036	.0110056	-1.61	0.108	-.0392743	.003867
st_MN	-.0263085	.0437724	-0.60	0.548	-.1121008	.0594838
st_MO	-.0268422	.011182	-2.40	0.016	-.0487586	-.0049259
st_MS	-.0180684	.011439	-1.58	0.114	-.0404886	.0043517
st_MT	-.0308727	.0143742	-2.15	0.032	-.0590455	-.0026998
st_NC	.0067531	.0289984	0.23	0.816	-.0500827	.0635889
st_ND	-.0313143	.0161101	-1.94	0.052	-.0628896	.000261
st_NE	-.1102277	.0769255	-1.43	0.152	-.260999	.0405436
st_NH	.0013975	.0123076	0.11	0.910	-.0227249	.0255199
st_NJ	-.0109756	.0111451	-0.98	0.325	-.0328197	.0108685
st_NM	-.0121522	.0125294	-0.97	0.332	-.0367094	.012405
st_NV	-.0128065	.012254	-1.05	0.296	-.036824	.0112109
st_NY	-.0145028	.0138651	-1.05	0.296	-.0416778	.0126723
st_OH	-.0108794	.028175	-0.39	0.699	-.0661013	.0443425
st_OK	.0278828	.0271622	1.03	0.305	-.0253541	.0811197
st_OR	-.008894	.0250942	-0.35	0.723	-.0580777	.0402897
st_PA	-.0551166	.0272999	-2.02	0.043	-.1086233	-.0016098
st_PR	-.0431625	.0582503	-0.74	0.459	-.1573309	.0710059
st_RI	-.1991165	.1028586	-1.94	0.053	-.4007157	.0024828
st_SC	-.0545428	.0179895	-3.03	0.002	-.0898016	-.0192839
st_SD	-.0383173	.0151231	-2.53	0.011	-.0679581	-.0086765
st_TN	-.0266437	.0111727	-2.38	0.017	-.0485417	-.0047457
st_TX	-.0099163	.0242162	-0.41	0.682	-.0573792	.0375466
st_UT	-.0677486	.0814983	-0.83	0.406	-.2274823	.0919851
st_VA	-.0162786	.0111485	-1.46	0.144	-.0381292	.0055721
st_VT	-.0658542	.044539	-1.48	0.139	-.153149	.0214405
st_WA	-.0077996	.0400825	-0.19	0.846	-.0863598	.0707607
st_WI	-.0451873	.0221676	-2.04	0.042	-.088635	-.0017397
st_WV	.0316183	.0549194	0.58	0.565	-.0760217	.1392584
st_WY	.2551071	.1323475	1.93	0.054	-.0042893	.5145034
pial	-6.19e-06	.0000101	-0.61	0.539	-.000026	.0000136
pia_miss	-.0138198	.0093064	-1.48	0.138	-.0320599	.0044204
ime1	4.70e-06	3.30e-06	1.43	0.154	-1.76e-06	.0000112
ime_miss	-.0210045	.0049811	-4.22	0.000	-.0307672	-.0112418
_cons	.1983946	.0165161	12.01	0.000	.1660237	.2307655

Endogenous variables: ldwroll12 ldwroll24 ldwroll36 ldwroll48 mototkt
Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
epb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epb4tsd ldwb4tsd
st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
st_WI st_WV st_WY pial pia_miss ime1 ime_miss imm10 imm12 imm13 imm14
imm15 imm16 imm17 imm18 imm19

(1) 12*[ldwroll112]mototkt + 12*[ldwroll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0037021	.0041453	-0.89	0.372	-.0118268	.0044227

(1) 12*[ldwroll112]mototkt + 12*[ldwroll24]mototkt + 12*[ldwroll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0065436	.0068154	-0.96	0.337	-.0199015	.0068142

(1) 12*[ldwroll112]mototkt + 12*[ldwroll24]mototkt + 12*[ldwroll36]mototkt + 12*[ldwroll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0121721	.0098174	-1.24	0.215	-.0314139	.0070697

phase 2 dependent variable: eperoll, unemployment: nounemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
eperoll12	77161	97	.1402856	0.1171	10229.88	0.0000
eperoll24	77161	97	.1940401	0.1190	10420.10	0.0000
eperoll36	77161	97	.2325803	0.1172	10246.47	0.0000
eperoll48	77161	97	.2564158	0.1148	10006.67	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
eperoll12						
mototkt	.0000577	.0001777	0.32	0.745	-.0002906	.000406
male	.0025768	.0010672	2.41	0.016	.0004852	.0046684
gendermiss_flag	-.0231006	.1404022	-0.16	0.869	-.2982839	.2520827
tsd_age	-.0006339	.0001333	-4.76	0.000	-.0008951	-.0003728
doage2	-.0000948	.0001207	-0.78	0.433	-.0003314	.0001419
doage2miss_flag	-.0115905	.1404754	-0.08	0.934	-.2869172	.2637363
race_a	-.00025	.0054975	-0.05	0.964	-.0110249	.0105249
race_b	.0041057	.0013296	3.09	0.002	.0014996	.0067118
race_h	-.0044538	.0030411	-1.46	0.143	-.0104142	.0015065
race_i	-.0016589	.0065295	-0.25	0.799	-.0144566	.0111387
race_o	-.0095491	.0080194	-1.19	0.234	-.0252668	.0061687
race_mis	.0008531	.00467	0.18	0.855	-.0082998	.0100061
tsd_edu_hs	.0022225	.0014667	1.52	0.130	-.0006521	.0050971
tsd_edu_mrhs	.0059492	.0017607	3.38	0.001	.0024984	.0094001
tsd_edu_mis	.0083568	.0016656	5.02	0.000	.0050924	.0116213
tsd_mie_exp	-.0068185	.0029177	-2.34	0.019	-.012537	-.0010999
tsd_mie_mis	-.0084727	.0017381	-4.87	0.000	-.0118793	-.0050661
tsd_mie_psbl	-.0073919	.0014593	-5.07	0.000	-.010252	-.0045318
tsd_medicare	-.0060324	.0015642	-3.86	0.000	-.0090982	-.0029665

tsd_medicare_miss	-.0118052	.006142	-1.92	0.055	-.0238433	.0002329
tsd_depend_1	-.0041029	.0014921	-2.75	0.006	-.0070274	-.0011784
tsd_depend_2	-.001893	.0013201	-1.43	0.152	-.0044803	.0006943
tsd_depend_miss	-.0116269	.0042407	-2.74	0.006	-.0199386	-.0033153
tsd_vrpr	.0175756	.0026044	6.75	0.000	.0124711	.02268
tsd_vrpr_miss	.0053939	.0024138	2.23	0.025	.0006629	.0101248
pdcgrou2	.0025587	.0017661	1.45	0.147	-.0009028	.0060202
pdcgrou3	.0025335	.0020153	1.26	0.209	-.0014164	.0064835
pdcgrou4	.0029966	.0015539	1.93	0.054	-.0000449	.0060421
pdcgrou5	-.0026541	.0153584	-0.17	0.863	-.0327561	.0274478
cohort2000	-.0016435	.0023776	-0.69	0.489	-.0063036	.0030165
cohort2001	.0002441	.0039222	0.06	0.950	-.0074433	.0079315
cohort2002	.0042717	.0055096	0.78	0.438	-.0065269	.0150703
cohort2003	.01639	.0101198	1.62	0.105	-.0034445	.0362245
cohort2004	-.0099208	.0107278	-0.92	0.355	-.030947	.0111054
award_b4_tsd	.0003787	.0048768	0.08	0.938	-.0091796	.0099371
diaward_tsd	-.0003098	.0001666	-1.86	0.063	-.0006363	.0000167
epeb4twp_flag	-.0163034	.0495292	-0.33	0.742	-.1133787	.080772
ldwb4twp_flag	.0346383	.0360592	0.96	0.337	-.0360365	.1053131
ldwb4epe_flag	.0962438	.0148648	6.47	0.000	.0671093	.1253783
twpb4tsd	.2086507	.0022111	94.37	0.000	.2043171	.2129843
epeb4tsd	-.0744726	.0030317	-24.56	0.000	-.0804146	-.0685305
ldwb4tsd	-.0490705	.0042567	-11.53	0.000	-.0574136	-.0407275
st_AL	-.015993	.0195789	-0.82	0.414	-.0543669	.0223809
st_AR	-.0087518	.0070752	-1.24	0.216	-.0226189	.0051153
st_AZ	-.0059507	.0126866	-0.47	0.639	-.030816	.0189147
st_CA	-.0271926	.0150892	-1.80	0.072	-.0567669	.0023818
st_CO	-.0145267	.0159301	-0.91	0.362	-.0457491	.0166956
st_CT	.0026611	.007093	0.38	0.708	-.0112409	.0165631
st_DC	.0101037	.0099709	1.01	0.311	-.0094388	.0296463
st_DE	-.0240943	.0194476	-1.24	0.215	-.062211	.0140223
st_FL	-.0018543	.0091395	-0.20	0.839	-.0197673	.0160588
st_GA	-.0042442	.0068361	-0.62	0.535	-.0176427	.0091543
st_HI	-.0110158	.0576605	-0.19	0.848	-.1240284	.1019968
st_IA	-.0154083	.0169612	-0.91	0.364	-.0486517	.017835
st_ID	-.0110847	.0472424	-0.23	0.814	-.1036781	.0815086
st_IL	-.0128496	.0106095	-1.21	0.226	-.0336438	.0079446
st_IN	-.0029054	.0068589	-0.42	0.672	-.0163486	.0105377
st_KS	.0021955	.0073274	0.30	0.764	-.0121659	.016557
st_KY	-.0115413	.0068845	-1.68	0.094	-.0250346	.001952
st_LA	-.0009704	.0069805	-0.14	0.889	-.014652	.0127112
st_MA	.011939	.0100501	1.19	0.235	-.0077588	.0316368
st_MD	.0261814	.0192876	1.36	0.175	-.0116216	.0639843
st_ME	-.0148744	.0357014	-0.42	0.677	-.0848478	.0550991
st_MI	.0029318	.0067589	0.43	0.664	-.0103155	.016179
st_MN	.0058113	.0268821	0.22	0.829	-.0468766	.0584992
st_MO	-.0026687	.0068672	-0.39	0.698	-.0161282	.0107909
st_MS	-.0015304	.0070251	-0.22	0.828	-.0152993	.0122385
st_MT	.002691	.0088276	0.30	0.760	-.0146109	.0199928
st_NC	-.0373613	.0178089	-2.10	0.036	-.072266	-.0024566
st_ND	.0074556	.0098938	0.75	0.451	-.0119358	.026847
st_NE	-.0400832	.0472425	-0.85	0.396	-.1326768	.0525105
st_NH	.010155	.0075585	1.34	0.179	-.0046594	.0249693
st_NJ	.0034941	.0068446	0.51	0.610	-.009921	.0169093
st_NM	.0038457	.0076947	0.50	0.617	-.0112357	.018927
st_NV	-.0013754	.0075256	-0.18	0.855	-.0161254	.0133745
st_NY	-.0017283	.008515	-0.20	0.839	-.0184174	.0149608
st_OH	-.014605	.0173032	-0.84	0.399	-.0485186	.0193086
st_OK	-.0175942	.0166812	-1.05	0.292	-.0502887	.0151004
st_OR	-.0128252	.0154112	-0.83	0.405	-.0430306	.0173801
st_PA	-.0093628	.0167657	-0.56	0.577	-.0422231	.0234975
st_PR	-.0020724	.0357734	-0.06	0.954	-.072187	.0680422
st_RI	-.0891439	.0631689	-1.41	0.158	-.2129526	.0346649

st_SC	.0083391	.011048	0.75	0.450	-.0133145	.0299927
st_SD	-.0027693	.0092876	-0.30	0.766	-.0209727	.015434
st_TN	-.0018307	.0068615	-0.27	0.790	-.015279	.0116176
st_TX	-.0247616	.014872	-1.66	0.096	-.0539101	.004387
st_UT	.0915588	.0500508	1.83	0.067	-.006539	.1896566
st_VA	-.0002835	.0068467	-0.04	0.967	-.0137027	.0131357
st_VT	-.0371906	.0273529	-1.36	0.174	-.0908012	.01642
st_WA	.0842757	.024616	3.42	0.001	.0360292	.1325221
st_WI	-.0121772	.0136139	-0.89	0.371	-.0388598	.0145055
st_WV	.0310702	.0337278	0.92	0.357	-.0350352	.0971755
st_WY	-.01339	.081279	-0.16	0.869	-.1726939	.1459139
pial	-6.86e-06	6.20e-06	-1.11	0.268	-.000019	5.28e-06
pia_miss	-.0155468	.0057154	-2.72	0.007	-.0267487	-.0043449
ime1	2.75e-06	2.03e-06	1.36	0.175	-1.22e-06	6.72e-06
ime_miss	.0000141	.003059	0.00	0.996	-.0059815	.0060097
_cons	.0436311	.0101431	4.30	0.000	.0237511	.0635111

eperoll24						
mototkt	-9.41e-06	.0002458	-0.04	0.969	-.0004912	.0004724
male	.003578	.0014761	2.42	0.015	.0006849	.006471
gendermiss_flag	-.0861033	.1942014	-0.44	0.657	-.4667311	.2945246
tsd_age	-.0014425	.0001843	-7.83	0.000	-.0018037	-.0010812
doage2	-.0000604	.000167	-0.36	0.718	-.0003877	.0002669
doage2miss_flag	-.0358857	.1943027	-0.18	0.853	-.416712	.3449406
race_a	.005836	.007604	0.77	0.443	-.0090676	.0207396
race_b	.0098716	.0018391	5.37	0.000	.006267	.0134762
race_h	-.0069525	.0042063	-1.65	0.098	-.0151967	.0012918
race_i	-.0021791	.0090315	-0.24	0.809	-.0198806	.0155223
race_o	-.0035015	.0110923	-0.32	0.752	-.0252419	.018239
race_mis	.0019863	.0064594	0.31	0.758	-.0106739	.0146465
tsd_edu_hs	.0034072	.0020287	1.68	0.093	-.0005689	.0073833
tsd_edu_mrhs	.0168154	.0024353	6.90	0.000	.0120422	.0215886
tsd_edu_mis	.0133385	.0023038	5.79	0.000	.0088232	.0178538
tsd_mie_exp	-.0106677	.0040357	-2.64	0.008	-.0185775	-.002758
tsd_mie_mis	-.0127713	.0024041	-5.31	0.000	-.0174832	-.0080594
tsd_mie_psbl	-.0097866	.0020185	-4.85	0.000	-.0137427	-.0058305
tsd_medicare	-.0110008	.0021636	-5.08	0.000	-.0152414	-.0067602
tsd_medicare_miss	-.0308922	.0084955	-3.64	0.000	-.0475431	-.0142414
tsd_depend_1	-.0076619	.0020639	-3.71	0.000	-.011707	-.0036168
tsd_depend_2	-.0035154	.0018259	-1.93	0.054	-.0070941	.0000633
tsd_depend_miss	-.0208061	.0058657	-3.55	0.000	-.0323026	-.0093096
tsd_vrpr	.0132888	.0036023	3.69	0.000	.0062284	.0203492
tsd_vrpr_miss	-.0159575	.0033387	-4.78	0.000	-.0225012	-.0094137
pdcgrou2	.0007509	.0024428	0.31	0.759	-.0040369	.0055388
pdcgrou3	.0012686	.0027875	0.46	0.649	-.0041949	.006732
pdcgrou4	.0013509	.0021493	0.63	0.530	-.0028616	.0055635
pdcgrou5	-.0205531	.0212434	-0.97	0.333	-.0621894	.0210833
cohort2000	-.0051774	.0032887	-1.57	0.115	-.011623	.0012683
cohort2001	-.0050344	.0054251	-0.93	0.353	-.0156674	.0055987
cohort2002	-.0008954	.0076208	-0.12	0.906	-.0158318	.014041
cohort2003	.0361894	.0139975	2.59	0.010	.0087548	.0636241
cohort2004	-.0059514	.0148385	-0.40	0.688	-.0350344	.0231316
award_b4_tsd	.0077294	.0067455	1.15	0.252	-.0054916	.0209503
diaward_tsd	-.0006518	.0002304	-2.83	0.005	-.0011035	-.0002002
epeb4twp_flag	-.0118428	.0685077	-0.17	0.863	-.1461155	.1224298
ldwb4twp_flag	.0359556	.0498764	0.72	0.471	-.0618002	.1337115
ldwb4epe_flag	.2257391	.0205607	10.98	0.000	.1854409	.2660374
twpb4tsd	.2736578	.0030583	89.48	0.000	.2676637	.2796519
epeb4tsd	-.1216749	.0041934	-29.02	0.000	-.1298938	-.113456
ldwb4tsd	-.0724229	.0058878	-12.30	0.000	-.0839629	-.0608829
st_AL	.0348583	.0270811	1.29	0.198	-.0182197	.0879363
st_AR	-.009915	.0097862	-1.01	0.311	-.0290957	.0092657
st_AZ	-.0041422	.0175479	-0.24	0.813	-.0385354	.0302511

st_CA	.0123894	.0208711	0.59	0.553	-.0285172	.053296
st_CO	-.0354017	.0220341	-1.61	0.108	-.0785879	.0077844
st_CT	.0155478	.0098109	1.58	0.113	-.0036812	.0347767
st_DC	.0292649	.0137915	2.12	0.034	.0022341	.0562957
st_DE	.0071646	.0268996	0.27	0.790	-.0455576	.0598867
st_FL	.0062373	.0126416	0.49	0.622	-.0185397	.0310143
st_GA	-.004868	.0094556	-0.51	0.607	-.0234005	.0136646
st_HI	-.0257095	.0797549	-0.32	0.747	-.1820262	.1306072
st_IA	-.0025503	.0234604	-0.11	0.913	-.0485318	.0434312
st_ID	-.02458	.0653447	-0.38	0.707	-.1526532	.1034933
st_IL	.0006933	.0146748	0.05	0.962	-.0280688	.0294554
st_IN	-.0003594	.0094871	-0.04	0.970	-.0189536	.0182349
st_KS	.0104931	.0101351	1.04	0.301	-.0093714	.0303576
st_KY	-.01408	.0095224	-1.48	0.139	-.0327437	.0045836
st_LA	.0023013	.0096553	0.24	0.812	-.0166229	.0212254
st_MA	.0342049	.0139011	2.46	0.014	.0069593	.0614504
st_MD	.0559264	.0266782	2.10	0.036	.0036381	.1082147
st_ME	-.0316233	.0493814	-0.64	0.522	-.1284091	.0651625
st_MI	.0059176	.0093488	0.63	0.527	-.0124058	.0242409
st_MN	.0517559	.0371827	1.39	0.164	-.021121	.1246327
st_MO	-.0039543	.0094986	-0.42	0.677	-.0225713	.0146626
st_MS	-.0020057	.009717	-0.21	0.836	-.0210506	.0170392
st_MT	-.0001343	.0122102	-0.01	0.991	-.0240659	.0237972
st_NC	.0044695	.0246328	0.18	0.856	-.04381	.052749
st_ND	.0091802	.0136849	0.67	0.502	-.0176416	.036002
st_NE	-.0723165	.0653449	-1.11	0.268	-.2003901	.0557572
st_NH	.0179976	.0104547	1.72	0.085	-.0024933	.0384885
st_NJ	.0065724	.0094673	0.69	0.488	-.0119832	.025128
st_NM	.0090948	.0106432	0.85	0.393	-.0117655	.029955
st_NV	.0021921	.0104093	0.21	0.833	-.0182097	.0225939
st_NY	.003848	.0117778	0.33	0.744	-.019236	.026932
st_OH	-.0423666	.0239334	-1.77	0.077	-.0892752	.004542
st_OK	.0018643	.0230731	0.08	0.936	-.0433582	.0470867
st_OR	-.0218954	.0213164	-1.03	0.304	-.0636748	.019884
st_PA	-.0268097	.02319	-1.16	0.248	-.0722613	.018642
st_PR	-.0103044	.049481	-0.21	0.835	-.1072855	.0866766
st_RI	-.1259671	.0873739	-1.44	0.149	-.2972169	.0452826
st_SC	-.0049871	.0152813	-0.33	0.744	-.034938	.0249637
st_SD	.0089044	.0128464	0.69	0.488	-.0162741	.034083
st_TN	-.002045	.0094907	-0.22	0.829	-.0206464	.0165564
st_TX	-.0402173	.0205706	-1.96	0.051	-.080535	.0001004
st_UT	.0729742	.0692293	1.05	0.292	-.0627126	.2086611
st_VA	.0049805	.0094702	0.53	0.599	-.0135806	.0235417
st_VT	-.0626823	.0378339	-1.66	0.098	-.1368354	.0114708
st_WA	.0873103	.0340483	2.56	0.010	.0205768	.1540438
st_WI	-.005557	.0188304	-0.30	0.768	-.0424639	.0313499
st_WV	.01235	.0466516	0.26	0.791	-.0790855	.1037855
st_WY	.2961408	.1124234	2.63	0.008	.0757949	.5164866
pial	-9.85e-06	8.57e-06	-1.15	0.250	-.0000266	6.95e-06
pia_miss	-.0185438	.0079054	-2.35	0.019	-.034038	-.0030496
ime1	3.66e-06	2.80e-06	1.31	0.191	-1.83e-06	9.15e-06
ime_miss	-.0099478	.0042312	-2.35	0.019	-.0182408	-.0016548
_cons	.1220409	.0140297	8.70	0.000	.0945432	.1495385

eperoll36						
mototkt	-.0000349	.0002947	-0.12	0.906	-.0006124	.0005427
male	.00506	.0017693	2.86	0.004	.0015924	.0085277
gendermiss_flag	-.1505808	.2327737	-0.65	0.518	-.6068088	.3056472
tsd_age	-.0022823	.0002209	-10.33	0.000	-.0027153	-.0018493
doage2	-.0000469	.0002002	-0.23	0.815	-.0004393	.0003455
doage2miss_flag	-.0743047	.232895	-0.32	0.750	-.5307706	.3821612
race_a	.003329	.0091143	0.37	0.715	-.0145348	.0211927
race_b	.0164799	.0022044	7.48	0.000	.0121593	.0208005

race_h	-.0081827	.0050418	-1.62	0.105	-.0180644	.001699
race_i	-.0021701	.0108254	-0.20	0.841	-.0233874	.0190472
race_o	-.0085007	.0132954	-0.64	0.523	-.0345592	.0175578
race_mis	.0019281	.0077424	0.25	0.803	-.0132467	.0171029
tsd_edu_hs	.0054107	.0024316	2.23	0.026	.0006449	.0101765
tsd_edu_mrhs	.0243405	.0029191	8.34	0.000	.0186193	.0300618
tsd_edu_mis	.0156885	.0027613	5.68	0.000	.0102764	.0211007
tsd_mie_exp	-.01185	.0048372	-2.45	0.014	-.0213308	-.0023692
tsd_mie_mis	-.0166937	.0028816	-5.79	0.000	-.0223415	-.011046
tsd_mie_psbl	-.0131991	.0024194	-5.46	0.000	-.017941	-.0084573
tsd_medicare	-.0150762	.0025933	-5.81	0.000	-.0201591	-.0099934
tsd_medicare_miss	-.0470272	.0101829	-4.62	0.000	-.0669853	-.0270691
tsd_depend_1	-.0108658	.0024738	-4.39	0.000	-.0157144	-.0060173
tsd_depend_2	-.0033	.0021886	-1.51	0.132	-.0075895	.0009894
tsd_depend_miss	-.0277177	.0070307	-3.94	0.000	-.0414977	-.0139378
tsd_vrpr	-.0088233	.0043178	-2.04	0.041	-.017286	-.0003606
tsd_vrpr_miss	-.0520783	.0040019	-13.01	0.000	-.0599219	-.0442348
pdgroup2	-.00482	.002928	-1.65	0.100	-.0105588	.0009188
pdgroup3	-.0002787	.0033412	-0.08	0.934	-.0068273	.0062698
pdgroup4	-.001431	.0025762	-0.56	0.579	-.0064803	.0036182
pdgroup5	-.01795	.0254628	-0.70	0.481	-.0678561	.0319562
cohort2000	-.0078276	.0039419	-1.99	0.047	-.0155535	-.0001017
cohort2001	-.0069388	.0065027	-1.07	0.286	-.0196838	.0058062
cohort2002	-.0029171	.0091344	-0.32	0.749	-.0208202	.0149859
cohort2003	.0622101	.0167777	3.71	0.000	.0293263	.0950938
cohort2004	.0370109	.0177858	2.08	0.037	.0021515	.0718703
award_b4_tsd	.0052191	.0080853	0.65	0.519	-.0106278	.0210659
diaward_tsd	-.0008747	.0002762	-3.17	0.002	-.001416	-.0003334
epeb4twp_flag	-.0050935	.0821147	-0.06	0.951	-.1660353	.1558483
ldwb4twp_flag	.0283521	.0597828	0.47	0.635	-.0888201	.1455242
ldwb4epe_flag	.3605201	.0246445	14.63	0.000	.3122179	.4088224
twpb4tsd	.3023306	.0036657	82.48	0.000	.2951459	.3095153
epeb4tsd	-.1542395	.0050263	-30.69	0.000	-.1640908	-.1443882
ldwb4tsd	-.0900408	.0070573	-12.76	0.000	-.1038728	-.0762087
st_AL	.0136736	.0324599	0.42	0.674	-.0499467	.0772939
st_AR	-.0275142	.01173	-2.35	0.019	-.0505046	-.0045238
st_AZ	-.0256868	.0210333	-1.22	0.222	-.0669113	.0155376
st_CA	-.0014525	.0250165	-0.06	0.954	-.0504839	.047579
st_CO	-.0619447	.0264105	-2.35	0.019	-.1137085	-.010181
st_CT	.0037726	.0117595	0.32	0.748	-.0192756	.0268208
st_DC	.0074199	.0165307	0.45	0.654	-.0249798	.0398196
st_DE	-.029448	.0322423	-0.91	0.361	-.0926419	.0337458
st_FL	-.0049738	.0151524	-0.33	0.743	-.034672	.0247244
st_GA	-.020333	.0113336	-1.79	0.073	-.0425465	.0018805
st_HI	-.0588563	.0955958	-0.62	0.538	-.2462206	.128508
st_IA	-.0031868	.0281201	-0.11	0.910	-.0583011	.0519276
st_ID	.0552586	.0783234	0.71	0.480	-.0982525	.2087697
st_IL	-.0219931	.0175895	-1.25	0.211	-.0564679	.0124818
st_IN	-.0163727	.0113714	-1.44	0.150	-.0386601	.0059148
st_KS	-.0042896	.0121481	-0.35	0.724	-.0280995	.0195204
st_KY	-.0365458	.0114138	-3.20	0.001	-.0589164	-.0141752
st_LA	-.0157764	.0115731	-1.36	0.173	-.0384592	.0069064
st_MA	.0239034	.0166621	1.43	0.151	-.0087537	.0565605
st_MD	.0326294	.031977	1.02	0.308	-.0300444	.0953032
st_ME	-.0673472	.0591895	-1.14	0.255	-.1833566	.0486622
st_MI	-.0115055	.0112057	-1.03	0.305	-.0334682	.0104572
st_MN	.0103536	.044568	0.23	0.816	-.076998	.0977052
st_MO	-.0233718	.0113853	-2.05	0.040	-.0456864	-.0010571
st_MS	-.0226105	.0116469	-1.94	0.052	-.0454381	.0002171
st_MT	-.016924	.0146354	-1.16	0.248	-.0456088	.0117609
st_NC	-.012461	.0295254	-0.42	0.673	-.0703298	.0454077
st_ND	-.0093101	.0164029	-0.57	0.570	-.0414592	.0228391
st_NE	-.0115045	.0783237	-0.15	0.883	-.1650161	.1420071

st_NH	.0180201	.0125312	1.44	0.150	-.0065407	.0425809
st_NJ	-.0085347	.0113477	-0.75	0.452	-.0307758	.0137064
st_NM	-.005705	.0127571	-0.45	0.655	-.0307085	.0192986
st_NV	-.007559	.0124768	-0.61	0.545	-.032013	.016895
st_NY	-.0043984	.0141171	-0.31	0.755	-.0320673	.0232706
st_OH	-.060082	.028687	-2.09	0.036	-.1163076	-.0038564
st_OK	.0148674	.0276559	0.54	0.591	-.0393371	.0690719
st_OR	-.0280314	.0255503	-1.10	0.273	-.078109	.0220463
st_PA	-.0503976	.027796	-1.81	0.070	-.1048768	.0040816
st_PR	-.0430519	.059309	-0.73	0.468	-.1592953	.0731916
st_RI	.0269515	.1047281	0.26	0.797	-.1783119	.2322148
st_SC	-.0335781	.0183165	-1.83	0.067	-.0694778	.0023215
st_SD	-.0186978	.015398	-1.21	0.225	-.0488773	.0114817
st_TN	-.0229526	.0113757	-2.02	0.044	-.0452486	-.0006566
st_TX	-.0195647	.0246564	-0.79	0.427	-.0678902	.0287609
st_UT	.0404399	.0829795	0.49	0.626	-.1221971	.2030768
st_VA	-.0097066	.0113511	-0.86	0.392	-.0319544	.0125412
st_VT	-.0659239	.0453485	-1.45	0.146	-.1548053	.0229574
st_WA	.0726696	.040811	1.78	0.075	-.0073185	.1526577
st_WI	-.0456636	.0225705	-2.02	0.043	-.0899009	-.0014262
st_WV	.0286563	.0559176	0.51	0.608	-.0809401	.1382527
st_WY	.2464188	.1347529	1.83	0.067	-.017692	.5105297
pial	1.99e-06	.0000103	0.19	0.846	-.0000181	.0000221
pia_miss	-.0140025	.0094755	-1.48	0.139	-.0325742	.0045692
ime1	-1.32e-06	3.36e-06	-0.39	0.694	-7.90e-06	5.26e-06
ime_miss	-.0246621	.0050716	-4.86	0.000	-.0346023	-.014722
_cons	.2298716	.0168162	13.67	0.000	.1969124	.2628309

eperoll48

mototkt	-.0000671	.0003249	-0.21	0.836	-.0007038	.0005696
male	.0047548	.0019506	2.44	0.015	.0009317	.0085778
gendermiss_flag	-.1986754	.256629	-0.77	0.439	-.7016591	.3043082
tsd_age	-.0030535	.0002436	-12.54	0.000	-.0035308	-.0025761
doage2	.0000785	.0002207	0.36	0.722	-.000354	.0005111
doage2miss_flag	-.0937658	.2567628	-0.37	0.715	-.5970117	.40948
race_a	.0036699	.0100484	0.37	0.715	-.0160246	.0233644
race_b	.0170447	.0024303	7.01	0.000	.0122814	.0218081
race_h	-.0047783	.0055585	-0.86	0.390	-.0156727	.0061161
race_i	-.002118	.0119348	-0.18	0.859	-.0255097	.0212737
race_o	-.0068544	.014658	-0.47	0.640	-.0355834	.0218747
race_mis	-.0030449	.0085358	-0.36	0.721	-.0197749	.013685
tsd_edu_hs	.007708	.0026808	2.88	0.004	.0024537	.0129622
tsd_edu_mrhs	.0302831	.0032182	9.41	0.000	.0239755	.0365907
tsd_edu_mis	.0181995	.0030443	5.98	0.000	.0122327	.0241663
tsd_mie_exp	-.0125154	.005333	-2.35	0.019	-.0229678	-.002063
tsd_mie_mis	-.0170288	.0031769	-5.36	0.000	-.0232554	-.0108022
tsd_mie_psbl	-.0118149	.0026673	-4.43	0.000	-.0170427	-.0065871
tsd_medicare	-.0178145	.0028591	-6.23	0.000	-.0234182	-.0122107
tsd_medicare_miss	-.0589287	.0112264	-5.25	0.000	-.0809321	-.0369252
tsd_depend_1	-.0099258	.0027273	-3.64	0.000	-.0152713	-.0045804
tsd_depend_2	-.0002116	.0024128	-0.09	0.930	-.0049407	.0045174
tsd_depend_miss	-.0375768	.0077512	-4.85	0.000	-.0527689	-.0223846
tsd_vrpr	-.0287414	.0047603	-6.04	0.000	-.0380714	-.0194113
tsd_vrpr_miss	-.0823479	.004412	-18.66	0.000	-.0909953	-.0737006
pdcgrou2	-.0077529	.0032281	-2.40	0.016	-.0140798	-.0014259
pdcgrou3	-.0006633	.0036836	-0.18	0.857	-.007883	.0065564
pdcgrou4	-.0026479	.0028402	-0.93	0.351	-.0082146	.0029188
pdcgrou5	-.0317539	.0280723	-1.13	0.258	-.0867746	.0232668
cohort2000	-.0100524	.0043458	-2.31	0.021	-.0185701	-.0015348
cohort2001	-.0107479	.0071691	-1.50	0.134	-.024799	.0033033
cohort2002	-.0058785	.0100705	-0.58	0.559	-.0256163	.0138593
cohort2003	.0770836	.0184972	4.17	0.000	.0408298	.1133374
cohort2004	.0564331	.0196085	2.88	0.004	.0180011	.094865

award_b4_tsd	.0043674	.0089139	0.49	0.624	-.0131035	.0218383
diaward_tsd	-.0009703	.0003045	-3.19	0.001	-.0015671	-.0003735
epeb4twp_flag	-.0042633	.0905301	-0.05	0.962	-.181699	.1731723
ldwb4twp_flag	.0208108	.0659095	0.32	0.752	-.1083695	.1499911
ldwb4epe_flag	.4931205	.0271701	18.15	0.000	.4398681	.5463729
twpb4tsd	.3083462	.0040414	76.30	0.000	.3004253	.3162672
epeb4tsd	-.1737429	.0055414	-31.35	0.000	-.1846038	-.162882
ldwb4tsd	-.1008166	.0077805	-12.96	0.000	-.1160662	-.085567
st_AL	-.0022736	.0357865	-0.06	0.949	-.0724139	.0678668
st_AR	-.0287781	.0129321	-2.23	0.026	-.0541246	-.0034316
st_AZ	-.0228862	.0231888	-0.99	0.324	-.0683354	.0225631
st_CA	-.0011189	.0275803	-0.04	0.968	-.0551753	.0529374
st_CO	-.0674773	.0291172	-2.32	0.020	-.1245459	-.0104086
st_CT	.0021476	.0129646	0.17	0.868	-.0232626	.0275579
st_DC	.015994	.0182249	0.88	0.380	-.0197261	.0517141
st_DE	-.0112324	.0355466	-0.32	0.752	-.0809026	.0584377
st_FL	-.0012007	.0167053	-0.07	0.943	-.0339425	.031541
st_GA	-.0218725	.0124951	-1.75	0.080	-.0463624	.0026175
st_HI	-.0731752	.1053927	-0.69	0.487	-.2797411	.1333907
st_IA	.0180184	.0310019	0.58	0.561	-.0427442	.078781
st_ID	.042271	.0863502	0.49	0.624	-.1269724	.2115143
st_IL	-.0288416	.0193921	-1.49	0.137	-.0668495	.0091663
st_IN	-.0188735	.0125367	-1.51	0.132	-.043445	.0056981
st_KS	-.0006072	.0133931	-0.05	0.964	-.0268572	.0256429
st_KY	-.0385126	.0125835	-3.06	0.002	-.0631758	-.0138494
st_LA	-.0116205	.0127591	-0.91	0.362	-.036628	.0133869
st_MA	.0321637	.0183697	1.75	0.080	-.0038402	.0681676
st_MD	.0506649	.0352541	1.44	0.151	-.0184318	.1197617
st_ME	-.081756	.0652555	-1.25	0.210	-.2096544	.0461424
st_MI	-.0144298	.0123541	-1.17	0.243	-.0386433	.0097838
st_MN	.025721	.0491354	0.52	0.601	-.0705827	.1220247
st_MO	-.0222654	.012552	-1.77	0.076	-.0468669	.0023362
st_MS	-.0236946	.0128406	-1.85	0.065	-.0488616	.0014724
st_MT	-.0183524	.0161353	-1.14	0.255	-.049977	.0132722
st_NC	-.0041833	.0325513	-0.13	0.898	-.0679826	.059616
st_ND	-.005631	.018084	-0.31	0.756	-.0410749	.0298129
st_NE	-.0387684	.0863505	-0.45	0.653	-.2080123	.1304755
st_NH	.0327942	.0138155	2.37	0.018	.0057164	.0598721
st_NJ	-.0081831	.0125107	-0.65	0.513	-.0327035	.0163373
st_NM	-.0041146	.0140645	-0.29	0.770	-.0316805	.0234514
st_NV	-.0128209	.0137554	-0.93	0.351	-.039781	.0141392
st_NY	-.0048797	.0155638	-0.31	0.754	-.0353843	.0256249
st_OH	-.079445	.031627	-2.51	0.012	-.1414327	-.0174573
st_OK	.0129125	.0304901	0.42	0.672	-.046847	.0726721
st_OR	-.0044436	.0281688	-0.16	0.875	-.0596533	.0507661
st_PA	-.0655272	.0306447	-2.14	0.032	-.1255896	-.0054648
st_PR	-.0560388	.0653871	-0.86	0.391	-.1841952	.0721176
st_RI	.011341	.115461	0.10	0.922	-.2149584	.2376403
st_SC	-.0370327	.0201936	-1.83	0.067	-.0766114	.0025461
st_SD	-.0120436	.016976	-0.71	0.478	-.045316	.0212288
st_TN	-.0249445	.0125415	-1.99	0.047	-.0495255	-.0003636
st_TX	-.028187	.0271832	-1.04	0.300	-.0814651	.0250912
st_UT	.0308684	.0914835	0.34	0.736	-.148436	.2101729
st_VA	-.0079709	.0125144	-0.64	0.524	-.0324987	.0165569
st_VT	-.0111844	.0499959	-0.22	0.823	-.1091745	.0868058
st_WA	.0531391	.0449934	1.18	0.238	-.0350464	.1413246
st_WI	-.0356301	.0248836	-1.43	0.152	-.084401	.0131408
st_WV	.0130023	.0616482	0.21	0.833	-.1078259	.1338305
st_WY	.2208767	.1485628	1.49	0.137	-.0703011	.5120544
pial	6.84e-06	.0000113	0.60	0.546	-.0000154	.000029
pia_miss	-.0042868	.0104466	-0.41	0.682	-.0247617	.0161882
ime1	-4.28e-06	3.70e-06	-1.16	0.247	-.0000115	2.97e-06
ime_miss	-.0354548	.0055914	-6.34	0.000	-.0464136	-.0244959

_cons | .300625 .0185396 16.22 0.000 .264288 .336962

 Endogenous variables: eperoll12 eperoll24 eperoll36 eperoll48 mototkt
 Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
 race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
 tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
 tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
 epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd
 st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
 st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
 st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
 st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
 st_WI st_WV st_WY pial pia_miss ime1 ime_miss imm10 imm12 imm13 imm14
 imm15 imm16 imm17 imm18 imm19

(1) 12*[eperoll12]mototkt + 12*[eperoll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0005795	.0046549	0.12	0.901	-.0085439	.0097029

(1) 12*[eperoll12]mototkt + 12*[eperoll24]mototkt + 12*[eperoll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0001613	.0076608	0.02	0.983	-.0148537	.0151762

(1) 12*[eperoll12]mototkt + 12*[eperoll24]mototkt + 12*[eperoll36]mototkt + 12*[eperoll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0006442	.0110417	-0.06	0.953	-.0222856	.0209971

phase 2 dependent variable: twproll, unemployment: nounemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
twproll12	77161	97	.1788606	0.0197	1548.91	0.0000
twproll24	77161	97	.233837	0.0331	2644.40	0.0000
twproll36	77161	97	.2667369	0.0438	3534.87	0.0000
twproll48	77161	97	.2851531	0.0513	4175.12	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
twproll12						
mototkt	-.0002174	.0002266	-0.96	0.337	-.0006615	.0002268
male	.0024661	.0013606	1.81	0.070	-.0002006	.0051329
gendermiss_flag	-.102428	.1790093	-0.57	0.567	-.4532799	.2484238

tsd_age	-.0011704	.0001699	-6.89	0.000	-.0015034	-.0008374
doage2	-4.23e-06	.0001539	-0.03	0.978	-.000306	.0002975
doage2miss_flag	-.0385061	.1791026	-0.21	0.830	-.3895409	.3125286
race_a	.0039161	.0070092	0.56	0.576	-.0098217	.0176538
race_b	.0082022	.0016953	4.84	0.000	.0048796	.0115249
race_h	-.0033713	.0038773	-0.87	0.385	-.0109706	.004228
race_i	-.0019888	.008325	-0.24	0.811	-.0183055	.0143278
race_o	.0138538	.0102245	1.35	0.175	-.0061859	.0338935
race_mis	.0068239	.0059541	1.15	0.252	-.0048459	.0184937
tsd_edu_hs	.0018757	.00187	1.00	0.316	-.0017894	.0055407
tsd_edu_mrhs	.0115854	.0022448	5.16	0.000	.0071856	.0159852
tsd_edu_mis	.0034496	.0021236	1.62	0.104	-.0007124	.0076117
tsd_mie_exp	.001388	.00372	0.37	0.709	-.0059029	.008679
tsd_mie_mis	-.0044566	.002216	-2.01	0.044	-.0087999	-.0001133
tsd_mie_psbl	.0037966	.0018606	2.04	0.041	.00015	.0074432
tsd_medicare	-.0167092	.0019943	-8.38	0.000	-.020618	-.0128003
tsd_medicare_miss	-.0204494	.0078309	-2.61	0.009	-.0357977	-.0051011
tsd_depend_1	-.0059661	.0019024	-3.14	0.002	-.0096947	-.0022374
tsd_depend_2	-.0012326	.0016831	-0.73	0.464	-.0045314	.0020661
tsd_depend_miss	-.015216	.0054068	-2.81	0.005	-.0258131	-.0046188
tsd_vrpr	-.0101247	.0033205	-3.05	0.002	-.0166328	-.0036167
tsd_vrpr_miss	-.0356767	.0030775	-11.59	0.000	-.0417086	-.0296448
pdcgrou2	-.0061734	.0022517	-2.74	0.006	-.0105867	-.0017601
pdcgrou3	-.0061094	.0025695	-2.38	0.017	-.0111455	-.0010734
pdcgrou4	-.0047696	.0019812	-2.41	0.016	-.0086526	-.0008866
pdcgrou5	-.0057079	.0195816	-0.29	0.771	-.0440871	.0326713
cohort2000	-.0055558	.0030314	-1.83	0.067	-.0114972	.0003857
cohort2001	-.0049493	.0050007	-0.99	0.322	-.0147505	.0048519
cohort2002	-.0063867	.0070246	-0.91	0.363	-.0201546	.0073813
cohort2003	.0013925	.0129025	0.11	0.914	-.023896	.026681
cohort2004	-.0304036	.0136777	-2.22	0.026	-.0572115	-.0035957
award_b4_tsd	.0087493	.0062178	1.41	0.159	-.0034374	.0209359
diaward_tsd	-.0002203	.0002124	-1.04	0.300	-.0006366	.000196
epeb4twp_flag	.105609	.0631484	1.67	0.094	-.0181597	.2293777
ldwb4twp_flag	.014681	.0459746	0.32	0.749	-.0754276	.1047896
ldwb4epe_flag	.1852118	.0189523	9.77	0.000	.148066	.2223575
twpb4tsd	-.0179771	.002819	-6.38	0.000	-.0235023	-.0124518
epeb4tsd	-.0323103	.0038653	-8.36	0.000	-.0398863	-.0247344
ldwb4tsd	-.016553	.0054272	-3.05	0.002	-.0271902	-.0059158
st_AL	-.0019062	.0249626	-0.08	0.939	-.050832	.0470196
st_AR	-.0078011	.0090207	-0.86	0.387	-.0254813	.0098791
st_AZ	-.0040915	.0161752	-0.25	0.800	-.0357942	.0276112
st_CA	.017845	.0192384	0.93	0.354	-.0198615	.0555515
st_CO	-.0312622	.0203104	-1.54	0.124	-.0710699	.0085455
st_CT	.0106659	.0090434	1.18	0.238	-.0070587	.0283906
st_DC	.0046866	.0127126	0.37	0.712	-.0202296	.0296029
st_DE	.0360115	.0247952	1.45	0.146	-.0125863	.0846093
st_FL	.0064921	.0116526	0.56	0.577	-.0163466	.0293308
st_GA	-.0024965	.0087159	-0.29	0.775	-.0195793	.0145862
st_HI	-.0331724	.0735158	-0.45	0.652	-.1772607	.1109158
st_IA	.0204563	.0216251	0.95	0.344	-.0219281	.0628407
st_ID	-.0322006	.0602329	-0.53	0.593	-.1502548	.0858536
st_IL	-.0004607	.0135268	-0.03	0.973	-.0269727	.0260514
st_IN	-.0007113	.0087449	-0.08	0.935	-.017851	.0164284
st_KS	.0070593	.0093423	0.76	0.450	-.0112512	.0253698
st_KY	-.0111747	.0087775	-1.27	0.203	-.0283783	.0060289
st_LA	-.0001634	.0089	-0.02	0.985	-.0176071	.0172803
st_MA	.039807	.0128136	3.11	0.002	.0146928	.0649211
st_MD	-.0367308	.0245912	-1.49	0.135	-.0849287	.011467
st_ME	-.030942	.0455184	-0.68	0.497	-.1201564	.0582724
st_MI	.0016483	.0086175	0.19	0.848	-.0152416	.0185382
st_MN	.0638062	.034274	1.86	0.063	-.0033696	.130982
st_MO	.0030273	.0087556	0.35	0.730	-.0141333	.0201879

st_MS	-.0058463	.0089568	-0.65	0.514	-.0234013	.0117087
st_MT	-.0036006	.011255	-0.32	0.749	-.0256601	.0184588
st_NC	.0569525	.0227059	2.51	0.012	.0124498	.1014551
st_ND	-.0069436	.0126143	-0.55	0.582	-.0316672	.01778
st_NE	-.0528247	.060233	-0.88	0.380	-.1708793	.0652299
st_NH	.0114699	.0096369	1.19	0.234	-.0074181	.0303578
st_NJ	.0036102	.0087267	0.41	0.679	-.0134938	.0207142
st_NM	.0032026	.0098106	0.33	0.744	-.0160258	.022431
st_NV	.0073786	.009595	0.77	0.442	-.0114272	.0261844
st_NY	.0054824	.0108564	0.50	0.614	-.0157958	.0267606
st_OH	-.0232206	.0220611	-1.05	0.293	-.0664596	.0200184
st_OK	-.0276768	.0212681	-1.30	0.193	-.0693616	.0140079
st_OR	.0001047	.0196489	0.01	0.996	-.0384063	.0386158
st_PA	-.0201436	.0213759	-0.94	0.346	-.0620396	.0217524
st_PR	-.0089238	.0456102	-0.20	0.845	-.0983181	.0804706
st_RI	.1694367	.0805388	2.10	0.035	.0115836	.3272898
st_SC	-.0247938	.0140859	-1.76	0.078	-.0524016	.002814
st_SD	.0018586	.0118415	0.16	0.875	-.0213503	.0250674
st_TN	-.0045787	.0087482	-0.52	0.601	-.0217249	.0125676
st_TX	-.0017123	.0189614	-0.09	0.928	-.038876	.0354514
st_UT	-.0231578	.0638135	-0.36	0.717	-.14823	.1019145
st_VA	.0019899	.0087293	0.23	0.820	-.0151192	.0190991
st_VT	.0359307	.0348742	1.03	0.303	-.0324215	.1042829
st_WA	.0418705	.0313848	1.33	0.182	-.0196425	.1033835
st_WI	-.0165899	.0173573	-0.96	0.339	-.0506096	.0174298
st_WV	.0274522	.0430021	0.64	0.523	-.0568305	.1117348
st_WY	-.0411414	.1036287	-0.40	0.691	-.2442499	.161967
pial	.0000245	7.90e-06	3.10	0.002	9.01e-06	.00004
pia_miss	.0093998	.0072869	1.29	0.197	-.0048823	.0236819
ime1	-6.03e-06	2.58e-06	-2.34	0.019	-.0000111	-9.73e-07
ime_miss	-.0182265	.0039002	-4.67	0.000	-.0258708	-.0105823
_cons	.1197365	.0129322	9.26	0.000	.0943899	.145083

twproll24

mototkt	-.0004092	.0002963	-1.38	0.167	-.0009898	.0001715
male	.0014572	.0017788	0.82	0.413	-.0020292	.0049436
gendermiss_flag	-.2030468	.2340314	-0.87	0.386	-.66174	.2556464
tsd_age	-.0018976	.0002221	-8.54	0.000	-.0023329	-.0014622
doage2	-.0001406	.0002013	-0.70	0.485	-.0005351	.0002538
doage2miss_flag	-.0745335	.2341534	-0.32	0.750	-.5334658	.3843988
race_a	.0046335	.0091636	0.51	0.613	-.0133268	.0225938
race_b	.0138943	.0022163	6.27	0.000	.0095503	.0182382
race_h	-.0011048	.005069	-0.22	0.827	-.0110399	.0088303
race_i	-.0009093	.0108838	-0.08	0.933	-.0222413	.0204226
race_o	.0117695	.0133672	0.88	0.379	-.0144298	.0379688
race_mis	.0019897	.0077842	0.26	0.798	-.0132671	.0172464
tsd_edu_hs	.0020538	.0024447	0.84	0.401	-.0027377	.0068454
tsd_edu_mrhs	.0212119	.0029348	7.23	0.000	.0154598	.0269641
tsd_edu_mis	.0049248	.0027763	1.77	0.076	-.0005166	.0103662
tsd_mie_exp	.0056839	.0048634	1.17	0.243	-.0038481	.015216
tsd_mie_mis	-.0059754	.0028971	-2.06	0.039	-.0116537	-.0002972
tsd_mie_psbl	.0061431	.0024324	2.53	0.012	.0013756	.0109106
tsd_medicare	-.0247665	.0026073	-9.50	0.000	-.0298768	-.0196562
tsd_medicare_miss	-.0389174	.0102379	-3.80	0.000	-.0589833	-.0188515
tsd_depend_1	-.006758	.0024872	-2.72	0.007	-.0116328	-.0018833
tsd_depend_2	.0004272	.0022004	0.19	0.846	-.0038855	.0047399
tsd_depend_miss	-.0331627	.0070687	-4.69	0.000	-.047017	-.0193083
tsd_vrpr	-.0428496	.0043411	-9.87	0.000	-.051358	-.0343411
tsd_vrpr_miss	-.084034	.0040235	-20.89	0.000	-.0919199	-.0761481
pdcgrou2	-.0099102	.0029438	-3.37	0.001	-.01568	-.0041403
pdcgrou3	-.0090264	.0033592	-2.69	0.007	-.0156104	-.0024425
pdcgrou4	-.0089079	.0025901	-3.44	0.001	-.0139845	-.0038314
pdcgrou5	.0001228	.0256004	0.00	0.996	-.050053	.0502986

cohort2000	-.0091272	.0039632	-2.30	0.021	-.0168948	-.0013595
cohort2001	-.0142753	.0065378	-2.18	0.029	-.0270891	-.0014615
cohort2002	-.0157598	.0091837	-1.72	0.086	-.0337596	.00224
cohort2003	.0141603	.0168684	0.84	0.401	-.0189011	.0472217
cohort2004	-.0098828	.0178819	-0.55	0.580	-.0449306	.025165
award_b4_tsd	.0143591	.008129	1.77	0.077	-.0015734	.0302916
diaward_tsd	-.0006377	.0002777	-2.30	0.022	-.0011819	-.0000935
epeb4twp_flag	.0311295	.0825584	0.38	0.706	-.130682	.1929409
ldwb4twp_flag	.4186375	.0601058	6.97	0.000	.3008322	.5364427
ldwb4epe_flag	.2338917	.0247776	9.44	0.000	.1853285	.2824549
twpb4tsd	-.0464899	.0036855	-12.61	0.000	-.0537134	-.0392664
epeb4tsd	-.0513363	.0050534	-10.16	0.000	-.0612409	-.0414317
ldwb4tsd	-.0245516	.0070954	-3.46	0.001	-.0384584	-.0106449
st_AL	.038074	.0326353	1.17	0.243	-.02589	.1020381
st_AR	-.0071081	.0117934	-0.60	0.547	-.0302227	.0160065
st_AZ	-.0047368	.0211469	-0.22	0.823	-.046184	.0367104
st_CA	.0263187	.0251517	1.05	0.295	-.0229777	.0756151
st_CO	-.0462811	.0265533	-1.74	0.081	-.0983246	.0057623
st_CT	.0161764	.011823	1.37	0.171	-.0069963	.0393491
st_DC	-.0048406	.0166201	-0.29	0.771	-.0374154	.0277341
st_DE	.0103251	.0324166	0.32	0.750	-.0532102	.0738604
st_FL	.0107496	.0152343	0.71	0.480	-.0191091	.0406083
st_GA	-.0036456	.0113949	-0.32	0.749	-.0259791	.0186879
st_HI	-.0569037	.0961123	-0.59	0.554	-.2452804	.1314729
st_IA	-.0007537	.028272	-0.03	0.979	-.0561658	.0546584
st_ID	.054001	.0787466	0.69	0.493	-.1003396	.2083416
st_IL	-.0182782	.0176846	-1.03	0.301	-.0529393	.0163829
st_IN	.0015101	.0114328	0.13	0.895	-.0208978	.023918
st_KS	.0152082	.0122138	1.25	0.213	-.0087304	.0391468
st_KY	-.0142523	.0114755	-1.24	0.214	-.0367438	.0082392
st_LA	.0006644	.0116356	0.06	0.954	-.022141	.0234698
st_MA	.045276	.0167521	2.70	0.007	.0124425	.0781096
st_MD	.0024386	.0321498	0.08	0.940	-.0605739	.065451
st_ME	-.056863	.0595094	-0.96	0.339	-.1734993	.0597732
st_MI	.0003605	.0112662	0.03	0.974	-.0217209	.0224419
st_MN	.0329679	.0448088	0.74	0.462	-.0548557	.1207916
st_MO	.0026722	.0114468	0.23	0.815	-.019763	.0251075
st_MS	-.010868	.0117099	-0.93	0.353	-.0338189	.0120829
st_MT	-.0028371	.0147145	-0.19	0.847	-.031677	.0260027
st_NC	.0553539	.029685	1.86	0.062	-.0028276	.1135353
st_ND	-.0088876	.0164916	-0.54	0.590	-.0412105	.0234353
st_NE	.0187126	.0787469	0.24	0.812	-.1356284	.1730537
st_NH	.0330792	.012599	2.63	0.009	.0083857	.0577727
st_NJ	.0059583	.011409	0.52	0.602	-.016403	.0283196
st_NM	.0023884	.0128261	0.19	0.852	-.0227502	.0275271
st_NV	.009219	.0125442	0.73	0.462	-.0153671	.0338051
st_NY	.0066101	.0141934	0.47	0.641	-.0212083	.0344286
st_OH	-.0262392	.028842	-0.91	0.363	-.0827685	.0302902
st_OK	.0201787	.0278053	0.73	0.468	-.0343187	.0746761
st_OR	.0144255	.0256883	0.56	0.574	-.0359228	.0647737
st_PA	-.0010863	.0279462	-0.04	0.969	-.0558599	.0536873
st_PR	-.0311364	.0596294	-0.52	0.602	-.148008	.0857351
st_RI	.1504056	.105294	1.43	0.153	-.0559669	.356778
st_SC	-.0326254	.0184155	-1.77	0.076	-.068719	.0034683
st_SD	-.0099499	.0154812	-0.64	0.520	-.0402924	.0203927
st_TN	-.0069221	.0114372	-0.61	0.545	-.0293385	.0154944
st_TX	-.0033358	.0247896	-0.13	0.893	-.0519224	.0452509
st_UT	-.0347835	.0834279	-0.42	0.677	-.1982992	.1287322
st_VA	.0061112	.0114124	0.54	0.592	-.0162568	.0284792
st_VT	.081528	.0455935	1.79	0.074	-.0078336	.1708896
st_WA	.0676081	.0410315	1.65	0.099	-.0128122	.1480284
st_WI	-.019397	.0226924	-0.85	0.393	-.0638734	.0250793
st_WV	.0574907	.0562197	1.02	0.306	-.0526979	.1676793

st_WY	.2518066	.135481	1.86	0.063	-.0137314	.5173445
pial	.0000367	.0000103	3.55	0.000	.0000164	.0000569
pia_miss	.0186923	.0095267	1.96	0.050	.0000203	.0373643
ime1	-.0000108	3.38e-06	-3.21	0.001	-.0000175	-4.22e-06
ime_miss	-.0323992	.005099	-6.35	0.000	-.042393	-.0224053
_cons	.2398391	.0169071	14.19	0.000	.2067018	.2729765

twproll36						
mototkt	-.00045	.0003379	-1.33	0.183	-.0011123	.0002124
male	.0014363	.0020291	0.71	0.479	-.0025406	.0054132
gendermiss_flag	-.2620423	.2669587	-0.98	0.326	-.7852718	.2611872
tsd_age	-.0026904	.0002534	-10.62	0.000	-.003187	-.0021938
doage2	-.0000786	.0002296	-0.34	0.732	-.0005286	.0003714
doage2miss_flag	-.1088975	.2670979	-0.41	0.683	-.6323997	.4146048
race_a	.0051538	.0104529	0.49	0.622	-.0153335	.025641
race_b	.0147852	.0025282	5.85	0.000	.0098301	.0197403
race_h	-.0006012	.0057822	-0.10	0.917	-.0119341	.0107317
race_i	-.0038612	.0124152	-0.31	0.756	-.0281945	.020472
race_o	.0073775	.015248	0.48	0.629	-.022508	.0372629
race_mis	-.0033485	.0088794	-0.38	0.706	-.0207519	.0140548
tsd_edu_hs	.0026978	.0027887	0.97	0.333	-.002768	.0081635
tsd_edu_mrhs	.0278128	.0033477	8.31	0.000	.0212514	.0343743
tsd_edu_mis	.0058921	.0031669	1.86	0.063	-.0003149	.0120991
tsd_mie_exp	.0126651	.0055476	2.28	0.022	.0017919	.0235382
tsd_mie_mis	-.0038678	.0033048	-1.17	0.242	-.010345	.0026094
tsd_mie_psbl	.0101066	.0027747	3.64	0.000	.0046683	.0155448
tsd_medicare	-.0287324	.0029742	-9.66	0.000	-.0345618	-.0229031
tsd_medicare_miss	-.0573132	.0116783	-4.91	0.000	-.0802023	-.0344241
tsd_depend_1	-.0078652	.0028371	-2.77	0.006	-.0134258	-.0023046
tsd_depend_2	.0022072	.00251	0.88	0.379	-.0027122	.0071267
tsd_depend_miss	-.046183	.0080632	-5.73	0.000	-.0619866	-.0303793
tsd_vrpr	-.0636131	.0049519	-12.85	0.000	-.0733187	-.0539076
tsd_vrpr_miss	-.1175917	.0045896	-25.62	0.000	-.1265871	-.1085962
pdcgrou2	-.0186337	.003358	-5.55	0.000	-.0252153	-.0120521
pdcgrou3	-.0131128	.0038319	-3.42	0.001	-.0206232	-.0056025
pdcgrou4	-.0155075	.0029545	-5.25	0.000	-.0212983	-.0097167
pdcgrou5	-.0101281	.0292022	-0.35	0.729	-.0673634	.0471073
cohort2000	-.0093861	.0045208	-2.08	0.038	-.0182466	-.0005255
cohort2001	-.0094638	.0074576	-1.27	0.204	-.0240805	.0051529
cohort2002	-.0104616	.0104759	-1.00	0.318	-.0309939	.0100707
cohort2003	.042487	.0192417	2.21	0.027	.004774	.0802001
cohort2004	.0344189	.0203978	1.69	0.092	-.00556	.0743978
award_b4_tsd	.0168612	.0092727	1.82	0.069	-.001313	.0350353
diaward_tsd	-.0004596	.0003167	-1.45	0.147	-.0010804	.0001612
epeb4twp_flag	-.0536342	.094174	-0.57	0.569	-.2382119	.1309435
ldwb4twp_flag	.5971011	.0685625	8.71	0.000	.4627212	.7314811
ldwb4epe_flag	.3437856	.0282637	12.16	0.000	.2883897	.3991815
twpb4tsd	-.0694399	.0042041	-16.52	0.000	-.0776798	-.0612001
epeb4tsd	-.066682	.0057644	-11.57	0.000	-.0779801	-.0553839
ldwb4tsd	-.0327368	.0080937	-4.04	0.000	-.0486002	-.0168734
st_AL	.0268216	.037227	0.72	0.471	-.046142	.0997851
st_AR	-.0113925	.0134527	-0.85	0.397	-.0377593	.0149742
st_AZ	.004745	.0241222	0.20	0.844	-.0425336	.0520237
st_CA	.0165085	.0286904	0.58	0.565	-.0397237	.0727407
st_CO	-.0734894	.0302892	-2.43	0.015	-.1328551	-.0141237
st_CT	.0115845	.0134865	0.86	0.390	-.0148486	.0380175
st_DC	-.0137297	.0189584	-0.72	0.469	-.0508875	.0234282
st_DE	.0175954	.0369774	0.48	0.634	-.054879	.0900699
st_FL	.0110813	.0173777	0.64	0.524	-.0229783	.045141
st_GA	-.012893	.0129981	-0.99	0.321	-.0383687	.0125828
st_HI	-.0841839	.1096349	-0.77	0.443	-.2990644	.1306966
st_IA	.0245637	.0322498	0.76	0.446	-.0386447	.0877721
st_ID	.0289336	.089826	0.32	0.747	-.1471221	.2049893

st_IL	-.0216516	.0201727	-1.07	0.283	-.0611894	.0178861
st_IN	-.009822	.0130414	-0.75	0.451	-.0353826	.0157386
st_KS	.0188915	.0139322	1.36	0.175	-.0084152	.0461981
st_KY	-.0194724	.01309	-1.49	0.137	-.0451283	.0061836
st_LA	-.0020976	.0132727	-0.16	0.874	-.0281117	.0239164
st_MA	.0427411	.0191091	2.24	0.025	.005288	.0801942
st_MD	.0426692	.0366731	1.16	0.245	-.0292088	.1145472
st_ME	-.0848574	.0678821	-1.25	0.211	-.2179038	.0481891
st_MI	-.0073923	.0128513	-0.58	0.565	-.0325805	.0177959
st_MN	.0024816	.0511132	0.05	0.961	-.0976985	.1026616
st_MO	-.0039997	.0130573	-0.31	0.759	-.0295915	.0215921
st_MS	-.0190749	.0133574	-1.43	0.153	-.045255	.0071051
st_MT	-.0137046	.0167848	-0.82	0.414	-.0466021	.0191929
st_NC	.025097	.0338615	0.74	0.459	-.0412704	.0914643
st_ND	-.0032266	.0188119	-0.17	0.864	-.0400972	.033644
st_NE	-.0200187	.0898263	-0.22	0.824	-.196075	.1560375
st_NH	.0442293	.0143716	3.08	0.002	.0160615	.0723971
st_NJ	.0004088	.0130142	0.03	0.975	-.0250986	.0259162
st_NM	-.0006747	.0146306	-0.05	0.963	-.0293502	.0280009
st_NV	.0039556	.0143091	0.28	0.782	-.0240897	.0320008
st_NY	.0115904	.0161903	0.72	0.474	-.020142	.0433228
st_OH	-.0558181	.0329	-1.70	0.090	-.1203009	.0086648
st_OK	.042029	.0317174	1.33	0.185	-.020136	.104194
st_OR	.0270898	.0293026	0.92	0.355	-.0303423	.0845218
st_PA	-.0296012	.0318782	-0.93	0.353	-.0920812	.0328789
st_PR	-.0526735	.0680191	-0.77	0.439	-.1859884	.0806414
st_RI	.1329204	.1201084	1.11	0.268	-.1024878	.3683287
st_SC	-.0605502	.0210064	-2.88	0.004	-.1017221	-.0193784
st_SD	-.0163506	.0176593	-0.93	0.355	-.0509622	.018261
st_TN	-.0153843	.0130464	-1.18	0.238	-.0409547	.0101861
st_TX	-.0136399	.0282774	-0.48	0.630	-.0690625	.0417828
st_UT	-.0534702	.0951659	-0.56	0.574	-.2399919	.1330515
st_VA	.0007153	.0130181	0.05	0.956	-.0247998	.0262303
st_VT	.0540191	.0520083	1.04	0.299	-.0479153	.1559535
st_WA	.0358813	.0468045	0.77	0.443	-.0558538	.1276164
st_WI	-.0154788	.0258852	-0.60	0.550	-.0662129	.0352552
st_WV	.0306569	.0641296	0.48	0.633	-.0950348	.1563486
st_WY	.2122476	.1545427	1.37	0.170	-.0906505	.5151457
pial	.0000424	.0000118	3.60	0.000	.0000194	.0000655
pia_miss	.0309215	.0108671	2.85	0.004	.0096224	.0522206
ime1	-.0000142	3.85e-06	-3.69	0.000	-.0000218	-6.68e-06
ime_miss	-.0452358	.0058164	-7.78	0.000	-.0566358	-.0338359
_cons	.3228456	.0192859	16.74	0.000	.285046	.3606453

twproll48

mototkt	-.0003806	.0003613	-1.05	0.292	-.0010887	.0003275
male	.0013327	.0021692	0.61	0.539	-.0029188	.0055842
gendermiss_flag	-.3156456	.2853903	-1.11	0.269	-.8750002	.243709
tsd_age	-.0033442	.0002709	-12.35	0.000	-.003875	-.0028133
doage2	-.0000634	.0002454	-0.26	0.796	-.0005445	.0004176
doage2miss_flag	-.1355451	.285539	-0.47	0.635	-.6951913	.4241011
race_a	.0055714	.0111746	0.50	0.618	-.0163303	.0274732
race_b	.0159756	.0027027	5.91	0.000	.0106784	.0212728
race_h	-.0009949	.0061814	-0.16	0.872	-.0131103	.0111205
race_i	-.001204	.0132723	-0.09	0.928	-.0272173	.0248093
race_o	.0038114	.0163007	0.23	0.815	-.0281374	.0357602
race_mis	-.0092266	.0094925	-0.97	0.331	-.0278315	.0093783
tsd_edu_hs	.0037526	.0029812	1.26	0.208	-.0020905	.0095957
tsd_edu_mrhs	.0326612	.0035789	9.13	0.000	.0256467	.0396756
tsd_edu_mis	.0070779	.0033855	2.09	0.037	.0004424	.0137135
tsd_mie_exp	.0129453	.0059306	2.18	0.029	.0013215	.0245692
tsd_mie_mis	-.0027748	.0035329	-0.79	0.432	-.0096992	.0041496
tsd_mie_psbl	.0120473	.0029662	4.06	0.000	.0062336	.017861

tsd_medicare	-.0319639	.0031795	-10.05	0.000	-.0381957	-.0257322
tsd_medicare_miss	-.0620937	.0124846	-4.97	0.000	-.0865631	-.0376243
tsd_depend_1	-.006177	.003033	-2.04	0.042	-.0121215	-.0002325
tsd_depend_2	.0055308	.0026833	2.06	0.039	.0002717	.0107899
tsd_depend_miss	-.0507116	.0086199	-5.88	0.000	-.0676064	-.0338169
tsd_vrpr	-.0853412	.0052938	-16.12	0.000	-.0957169	-.0749655
tsd_vrpr_miss	-.1449349	.0049065	-29.54	0.000	-.1545514	-.1353184
pdcgrou2	-.0256041	.0035899	-7.13	0.000	-.0326401	-.018568
pdcgrou3	-.0139622	.0040964	-3.41	0.001	-.021991	-.0059333
pdcgrou4	-.0202025	.0031585	-6.40	0.000	-.0263931	-.014012
pdcgrou5	-.025419	.0312184	-0.81	0.416	-.0866061	.035768
cohort2000	-.0102778	.0048329	-2.13	0.033	-.01975	-.0008055
cohort2001	-.0127471	.0079725	-1.60	0.110	-.028373	.0028787
cohort2002	-.0147837	.0111991	-1.32	0.187	-.0367336	.0071662
cohort2003	.0394808	.0205702	1.92	0.055	-.0008361	.0797976
cohort2004	.0416266	.0218061	1.91	0.056	-.0011125	.0843658
award_b4_tsd	.0213325	.0099129	2.15	0.031	.0019036	.0407614
diaward_tsd	-.0005221	.0003386	-1.54	0.123	-.0011857	.0001416
epeb4twp_flag	.1091942	.100676	1.08	0.278	-.0881272	.3065156
ldwb4twp_flag	.7239439	.0732962	9.88	0.000	.580286	.8676018
ldwb4epe_flag	.3806912	.0302151	12.60	0.000	.3214706	.4399118
twpb4tsd	-.0846584	.0044943	-18.84	0.000	-.0934671	-.0758497
epeb4tsd	-.0763354	.0061624	-12.39	0.000	-.0884135	-.0642573
ldwb4tsd	-.0384702	.0086525	-4.45	0.000	-.0554289	-.0215115
st_AL	.0044736	.0397972	0.11	0.910	-.0735275	.0824748
st_AR	-.01901	.0143815	-1.32	0.186	-.0471971	.0091771
st_AZ	.0144495	.0257877	0.56	0.575	-.0360934	.0649924
st_CA	-.0050878	.0306713	-0.17	0.868	-.0652024	.0550269
st_CO	-.0401672	.0323804	-1.24	0.215	-.1036317	.0232973
st_CT	.0067999	.0144176	0.47	0.637	-.0214581	.0350579
st_DC	-.0182407	.0202674	-0.90	0.368	-.0579641	.0214826
st_DE	-.0028973	.0395305	-0.07	0.942	-.0803755	.074581
st_FL	.0098923	.0185775	0.53	0.594	-.026519	.0463035
st_GA	-.0243289	.0138955	-1.75	0.080	-.0515636	.0029057
st_HI	-.1047325	.1172044	-0.89	0.372	-.3344489	.1249839
st_IA	.0438874	.0344764	1.27	0.203	-.0236851	.1114599
st_ID	.0097472	.0960278	0.10	0.919	-.1784639	.1979582
st_IL	-.0078521	.0215655	-0.36	0.716	-.0501197	.0344154
st_IN	-.0128158	.0139418	-0.92	0.358	-.0401412	.0145096
st_KS	.0122225	.0148941	0.82	0.412	-.0169695	.0414145
st_KY	-.0267772	.0139938	-1.91	0.056	-.0542045	.00065
st_LA	-.0078949	.0141891	-0.56	0.578	-.035705	.0199152
st_MA	.0641042	.0204284	3.14	0.002	.0240652	.1041432
st_MD	.0222222	.0392052	0.57	0.571	-.0546185	.0990629
st_ME	-.105804	.0725689	-1.46	0.145	-.2480364	.0364283
st_MI	-.0168194	.0137386	-1.22	0.221	-.0437466	.0101078
st_MN	-.0201364	.0546422	-0.37	0.712	-.1272332	.0869603
st_MO	-.0088534	.0139588	-0.63	0.526	-.0362122	.0185053
st_MS	-.0283575	.0142796	-1.99	0.047	-.056345	-.0003699
st_MT	-.017426	.0179436	-0.97	0.331	-.0525949	.0177428
st_NC	.0032382	.0361994	0.09	0.929	-.0677113	.0741878
st_ND	-.0174032	.0201107	-0.87	0.387	-.0568195	.022013
st_NE	-.0492473	.0960281	-0.51	0.608	-.2374589	.1389643
st_NH	.0425964	.0153638	2.77	0.006	.0124839	.072709
st_NJ	-.007645	.0139128	-0.55	0.583	-.0349135	.0196235
st_NM	-.0075653	.0156408	-0.48	0.629	-.0382207	.0230901
st_NV	.0032629	.015297	0.21	0.831	-.0267188	.0332445
st_NY	.0118344	.0173081	0.68	0.494	-.0220889	.0457577
st_OH	-.0783871	.0351715	-2.23	0.026	-.147322	-.0094523
st_OK	.0581207	.0339072	1.71	0.087	-.0083363	.1245777
st_OR	.0364615	.0313257	1.16	0.244	-.0249358	.0978587
st_PA	-.0513864	.0340791	-1.51	0.132	-.1181803	.0154074
st_PR	-.0694675	.0727153	-0.96	0.339	-.2119868	.0730518

st_RI	.1197098	.128401	0.93	0.351	-.1319516	.3713712
st_SC	-.065888	.0224568	-2.93	0.003	-.1099025	-.0218736
st_SD	-.0206737	.0188786	-1.10	0.273	-.0576751	.0163276
st_TN	-.0266431	.0139471	-1.91	0.056	-.0539789	.0006928
st_TX	-.0165395	.0302297	-0.55	0.584	-.0757887	.0427096
st_UT	-.0664922	.1017364	-0.65	0.513	-.2658919	.1329074
st_VA	-.0055226	.0139169	-0.40	0.691	-.0327993	.0217541
st_VT	.0340115	.0555991	0.61	0.541	-.0749607	.1429838
st_WA	.0129878	.050036	0.26	0.795	-.0850809	.1110566
st_WI	-.0022274	.0276724	-0.08	0.936	-.0564643	.0520094
st_WV	.0091231	.0685573	0.13	0.894	-.1252467	.1434928
st_WY	.1815729	.1652127	1.10	0.272	-.142238	.5053839
pial	.0000433	.0000126	3.44	0.001	.0000186	.000068
pia_miss	.0314538	.0116174	2.71	0.007	.0086842	.0542235
ime1	-.0000161	4.12e-06	-3.90	0.000	-.0000241	-7.98e-06
ime_miss	-.0509655	.006218	-8.20	0.000	-.0631525	-.0387784
_cons	.3993635	.0206174	19.37	0.000	.3589541	.4397729

Endogenous variables: twproll12 twproll24 twproll36 twproll48 mototkt

Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag

race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
ebeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd ebeb4tsd ldwb4tsd
st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
st_WI st_WV st_WY pial pia_miss ime1 ime_miss imm10 imm12 imm13 imm14
imm15 imm16 imm17 imm18 imm19

(1) 12*[twproll12]mototkt + 12*[twproll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0075188	.0058499	-1.29	0.199	-.0189844 .0039468

(1) 12*[twproll12]mototkt + 12*[twproll24]mototkt + 12*[twproll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0129183	.0094248	-1.37	0.170	-.0313907 .005554

(1) 12*[twproll12]mototkt + 12*[twproll24]mototkt + 12*[twproll36]mototkt +
12*[twproll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0174856	.0133069	-1.31	0.189	-.0435667 .0085955

phase 2 dependent variable: srvroll, unemployment: nounemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
srvroll12	77161	97	.1345992	0.2928	31922.96	0.0000
srvroll24	77161	97	.1523625	0.4542	64212.60	0.0000
srvroll36	77161	97	.1538403	0.5668	100953.14	0.0000
srvroll48	77161	97	.154607	0.6216	126769.13	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
srvroll12						
mototkt	-.0008369	.0001705	-4.91	0.000	-.0011711	-.0005027
male	-.0006063	.0010239	-0.59	0.554	-.0026132	.0014005
gendermiss_flag	.5761165	.1347111	4.28	0.000	.3120875	.8401455
tsd_age	-.0002942	.0001279	-2.30	0.021	-.0005448	-.0000436
doage2	-4.44e-06	.0001159	-0.04	0.969	-.0002315	.0002226
doage2miss_flag	-.0134911	.1347814	-0.10	0.920	-.2776577	.2506756
race_a	.0106285	.0052747	2.02	0.044	.0002904	.0209667
race_b	.0005571	.0012757	0.44	0.662	-.0019433	.0030575
race_h	-.0026004	.0029178	-0.89	0.373	-.0083192	.0031183
race_i	.0011937	.0062649	0.19	0.849	-.0110852	.0134726
race_o	.013267	.0076943	1.72	0.085	-.0018136	.0283476
race_mis	.00273	.0044807	0.61	0.542	-.0060519	.011512
tsd_edu_hs	.0018753	.0014072	1.33	0.183	-.0008828	.0046334
tsd_edu_mrhs	.0041045	.0016893	2.43	0.015	.0007935	.0074155
tsd_edu_mis	.0038924	.0015981	2.44	0.015	.0007603	.0070246
tsd_mie_exp	.001889	.0027994	0.67	0.500	-.0035978	.0073757
tsd_mie_mis	.0008386	.0016676	0.50	0.615	-.0024299	.0041071
tsd_mie_psbl	.0014628	.0014001	1.04	0.296	-.0012814	.004207
tsd_medicare	-.0009108	.0015008	-0.61	0.544	-.0038523	.0020308
tsd_medicare_miss	-.0056278	.005893	-0.95	0.340	-.0171779	.0059224
tsd_depend_1	-.0034062	.0014316	-2.38	0.017	-.0062121	-.0006002
tsd_depend_2	-.0022362	.0012666	-1.77	0.077	-.0047187	.0002462
tsd_depend_miss	.0002403	.0040688	0.06	0.953	-.0077344	.008215
tsd_vrpr	-.3855542	.0024988	-154.30	0.000	-.3904517	-.3806566
tsd_vrpr_miss	-.4065458	.002316	-175.54	0.000	-.411085	-.4020066
pdcgroup2	-.0033634	.0016945	-1.98	0.047	-.0066846	-.0000423
pdcgroup3	-.0010481	.0019336	-0.54	0.588	-.0048379	.0027417
pdcgroup4	-.0007637	.0014909	-0.51	0.608	-.0036858	.0021584
pdcgroup5	-.0039957	.0147359	-0.27	0.786	-.0328775	.024886
cohort2000	.0005208	.0022812	0.23	0.819	-.0039504	.004992
cohort2001	.0039252	.0037632	1.04	0.297	-.0034506	.011301
cohort2002	.0038261	.0052863	0.72	0.469	-.0065348	.014187
cohort2003	-.007306	.0097096	-0.75	0.452	-.0263365	.0117246
cohort2004	-.0340772	.010293	-3.31	0.001	-.0542511	-.0139033
award_b4_tsd	.008337	.0046791	1.78	0.075	-.0008339	.0175079
diaward_tsd	.0000527	.0001598	0.33	0.742	-.0002606	.000366
epeb4twp_flag	-.0914054	.0475215	-1.92	0.054	-.1845459	.0017352
ldwb4twp_flag	.0861562	.0345976	2.49	0.013	.0183462	.1539662
ldwb4epe_flag	.0145532	.0142623	1.02	0.308	-.0134004	.0425067
twpb4tsd	.0044309	.0021214	2.09	0.037	.000273	.0085889
epeb4tsd	-.0008379	.0029088	-0.29	0.773	-.0065391	.0048632
ldwb4tsd	-.0007154	.0040842	-0.18	0.861	-.0087203	.0072895
st_AL	.0196924	.0187853	1.05	0.295	-.017126	.0565109
st_AR	.0129697	.0067884	1.91	0.056	-.0003353	.0262747
st_AZ	.0074724	.0121724	0.61	0.539	-.0163851	.0313299
st_CA	.0277271	.0144776	1.92	0.055	-.0006484	.0561027
st_CO	.0085802	.0152844	0.56	0.575	-.0213766	.038537
st_CT	.0155247	.0068055	2.28	0.023	.0021863	.0288632
st_DC	-.0014865	.0095667	-0.16	0.877	-.0202369	.0172639
st_DE	-.0031708	.0186593	-0.17	0.865	-.0397424	.0334008

st_FL	-.0010567	.008769	-0.12	0.904	-.0182436	.0161303
st_GA	.0127581	.006559	1.95	0.052	-.0000973	.0256135
st_HI	.0016954	.0553233	0.03	0.976	-.1067364	.1101271
st_IA	.0168093	.0162737	1.03	0.302	-.0150866	.0487052
st_ID	.0028206	.0453275	0.06	0.950	-.0860196	.0916608
st_IL	.0003628	.0101794	0.04	0.972	-.0195885	.0203141
st_IN	.010553	.0065809	1.60	0.109	-.0023452	.0234512
st_KS	.0064687	.0070304	0.92	0.358	-.0073107	.020248
st_KY	.0046538	.0066054	0.70	0.481	-.0082926	.0176001
st_LA	.0165713	.0066976	2.47	0.013	.0034442	.0296983
st_MA	-.0001636	.0096427	-0.02	0.986	-.019063	.0187357
st_MD	.0201516	.0185058	1.09	0.276	-.0161191	.0564223
st_ME	.0020173	.0342543	0.06	0.953	-.0651199	.0691544
st_MI	.0134259	.006485	2.07	0.038	.0007156	.0261362
st_MN	.0161171	.0257924	0.62	0.532	-.0344352	.0666693
st_MO	.0134792	.0065889	2.05	0.041	.0005652	.0263932
st_MS	.0097935	.0067403	1.45	0.146	-.0034173	.0230043
st_MT	.0044316	.0084698	0.52	0.601	-.0121689	.0210322
st_NC	.0018071	.017087	0.11	0.916	-.0316828	.035297
st_ND	.0124809	.0094927	1.31	0.189	-.0061245	.0310863
st_NE	-.092188	.0453276	-2.03	0.042	-.1810285	-.0033476
st_NH	.009688	.0072521	1.34	0.182	-.0045259	.0239019
st_NJ	.0070254	.0065672	1.07	0.285	-.005846	.0198968
st_NM	.0072932	.0073828	0.99	0.323	-.0071768	.0217633
st_NV	.0111164	.0072206	1.54	0.124	-.0030356	.0252685
st_NY	.0085453	.0081699	1.05	0.296	-.0074673	.0245579
st_OH	.0000376	.0166018	0.00	0.998	-.0325013	.0325766
st_OK	.0352682	.016005	2.20	0.028	.0038989	.0666376
st_OR	.0079106	.0147865	0.53	0.593	-.0210704	.0368916
st_PA	-.0087461	.0160862	-0.54	0.587	-.0402744	.0227822
st_PR	-.033832	.0343234	-0.99	0.324	-.1011046	.0334406
st_RI	-.0042317	.0606084	-0.07	0.944	-.1230221	.1145586
st_SC	-.0089316	.0106001	-0.84	0.399	-.0297075	.0118443
st_SD	.0228349	.0089111	2.56	0.010	.0053694	.0403004
st_TN	.016804	.0065834	2.55	0.011	.0039008	.0297072
st_TX	.0284467	.0142692	1.99	0.046	.0004796	.0564137
st_UT	.0010248	.0480221	0.02	0.983	-.0930967	.0951463
st_VA	.0133461	.0065691	2.03	0.042	.0004708	.0262213
st_VT	.0167802	.0262441	0.64	0.523	-.0346573	.0682178
st_WA	.0061376	.0236182	0.26	0.795	-.0401532	.0524285
st_WI	.0129316	.013062	0.99	0.322	-.0126695	.0385327
st_WV	-.0130922	.0323607	-0.40	0.686	-.076518	.0503336
st_WY	.5324337	.0779844	6.83	0.000	.379587	.6852804
pial	8.41e-06	5.94e-06	1.42	0.157	-3.24e-06	.0000201
pia_miss	.0023414	.0054837	0.43	0.669	-.0084064	.0130893
ime1	-9.87e-07	1.94e-06	-0.51	0.611	-4.80e-06	2.82e-06
ime_miss	-.0043165	.002935	-1.47	0.141	-.0100691	.0014361
_cons	.4060059	.0097319	41.72	0.000	.3869317	.4250801

srvroll24

mototkt	-.00061	.000193	-3.16	0.002	-.0009883	-.0002317
male	-.0005266	.001159	-0.45	0.650	-.0027982	.0017451
gendermiss_flag	.3313829	.1524892	2.17	0.030	.0325097	.6302562
tsd_age	-.0008236	.0001447	-5.69	0.000	-.0011073	-.0005399
doage2	.0000198	.0001311	0.15	0.880	-.0002372	.0002768
doage2miss_flag	-.0368255	.1525687	-0.24	0.809	-.3358546	.2622036
race_a	.0046341	.0059708	0.78	0.438	-.0070684	.0163366
race_b	.0008223	.0014441	0.57	0.569	-.0020081	.0036527
race_h	-.0027609	.0033028	-0.84	0.403	-.0092343	.0037126
race_i	-.0039778	.0070916	-0.56	0.575	-.0178772	.0099215
race_o	.012366	.0087098	1.42	0.156	-.0047048	.0294368
race_mis	.0067861	.005072	1.34	0.181	-.0031549	.016727
tsd_edu_hs	.0040512	.0015929	2.54	0.011	.0009291	.0071732

tsd_edu_mrhs	.0096528	.0019123	5.05	0.000	.0059048	.0134007
tsd_edu_mis	.0062374	.0018089	3.45	0.001	.0026919	.0097828
tsd_mie_exp	-.004422	.0031688	-1.40	0.163	-.0106328	.0017888
tsd_mie_mis	-.0029152	.0018877	-1.54	0.123	-.006615	.0007847
tsd_mie_psbl	-.0020697	.0015849	-1.31	0.192	-.0051761	.0010367
tsd_medicare	-.0027534	.0016989	-1.62	0.105	-.0060831	.0005764
tsd_medicare_miss	-.0041787	.0066708	-0.63	0.531	-.0172531	.0088958
tsd_depend_1	-.00275	.0016206	-1.70	0.090	-.0059263	.0004262
tsd_depend_2	-.0016264	.0014337	-1.13	0.257	-.0044364	.0011836
tsd_depend_miss	-.0028928	.0046058	-0.63	0.530	-.01192	.0061343
tsd_vrpr	-.6161144	.0028286	-217.82	0.000	-.6216583	-.6105705
tsd_vrpr_miss	-.6529255	.0026216	-249.06	0.000	-.6580638	-.6477873
pdcgrou2	-.0025812	.0019181	-1.35	0.178	-.0063406	.0011783
pdcgrou3	-.0023097	.0021888	-1.06	0.291	-.0065996	.0019803
pdcgrou4	.0005776	.0016877	0.34	0.732	-.0027302	.0038853
pdcgrou5	-.012756	.0166806	-0.76	0.444	-.0454493	.0199374
cohort2000	-.0025742	.0025823	-1.00	0.319	-.0076354	.002487
cohort2001	-.0044787	.0042599	-1.05	0.293	-.0128279	.0038705
cohort2002	-.0070993	.0059839	-1.19	0.235	-.0188276	.0046289
cohort2003	-.0091097	.010991	-0.83	0.407	-.0306518	.0124323
cohort2004	-.0501942	.0116514	-4.31	0.000	-.0730305	-.0273579
award_b4_tsd	.0003962	.0052966	0.07	0.940	-.009985	.0107775
diaward_tsd	-.0002085	.0001809	-1.15	0.249	-.0005631	.0001461
epeb4twp_flag	-.1483583	.053793	-2.76	0.006	-.2537907	-.0429259
ldwb4twp_flag	.1258212	.0391635	3.21	0.001	.0490622	.2025802
ldwb4epe_flag	.028148	.0161445	1.74	0.081	-.0034947	.0597906
twpb4tsd	.0066763	.0024014	2.78	0.005	.0019697	.011383
epeb4tsd	-.0033317	.0032927	-1.01	0.312	-.0097852	.0031219
ldwb4tsd	-.0070655	.0046232	-1.53	0.126	-.0161268	.0019958
st_AL	.0182665	.0212644	0.86	0.390	-.0234109	.059944
st_AR	.0017297	.0076843	0.23	0.822	-.0133312	.0167906
st_AZ	.0006404	.0137788	0.05	0.963	-.0263656	.0276464
st_CA	.0302545	.0163882	1.85	0.065	-.0018658	.0623748
st_CO	.0188342	.0173015	1.09	0.276	-.015076	.0527444
st_CT	.007421	.0077036	0.96	0.335	-.0076778	.0225198
st_DC	-.0118482	.0108292	-1.09	0.274	-.0330731	.0093767
st_DE	.005734	.0211218	0.27	0.786	-.035664	.0471321
st_FL	.0140179	.0099263	1.41	0.158	-.0054373	.0334731
st_GA	.0044711	.0074246	0.60	0.547	-.0100809	.019023
st_HI	-.0110506	.0626244	-0.18	0.860	-.1337922	.1116911
st_IA	.0221687	.0184214	1.20	0.229	-.0139365	.0582739
st_ID	-.0127979	.0513094	-0.25	0.803	-.1133625	.0877666
st_IL	-.0039077	.0115228	-0.34	0.735	-.0264921	.0186766
st_IN	.0006406	.0074493	0.09	0.931	-.0139598	.0152411
st_KS	.0035726	.0079582	0.45	0.653	-.0120252	.0191704
st_KY	-.0038764	.0074771	-0.52	0.604	-.0185313	.0107785
st_LA	.0093525	.0075815	1.23	0.217	-.005507	.0242119
st_MA	-.0100662	.0109153	-0.92	0.356	-.0314597	.0113274
st_MD	.0167485	.020948	0.80	0.424	-.0243089	.0578058
st_ME	-.0160319	.0387749	-0.41	0.679	-.0920292	.0599654
st_MI	.0058432	.0073408	0.80	0.426	-.0085445	.0202309
st_MN	.0022752	.0291963	0.08	0.938	-.0549485	.0594989
st_MO	.0037003	.0074584	0.50	0.620	-.010918	.0183186
st_MS	.0011651	.0076299	0.15	0.879	-.0137891	.0161194
st_MT	.0008251	.0095876	0.09	0.931	-.0179662	.0196165
st_NC	-.0164052	.019342	-0.85	0.396	-.0543148	.0215044
st_ND	-.0120613	.0107455	-1.12	0.262	-.0331221	.0089995
st_NE	.0532763	.0513095	1.04	0.299	-.0472885	.1538412
st_NH	-.0021578	.0082092	-0.26	0.793	-.0182474	.0139319
st_NJ	-.0025452	.0074338	-0.34	0.732	-.0171153	.0120249
st_NM	-.0068192	.0083572	-0.82	0.415	-.0231989	.0095605
st_NV	.0002704	.0081735	0.03	0.974	-.0157493	.0162901
st_NY	.0088905	.009248	0.96	0.336	-.0092353	.0270163

st_OH	-.0017612	.0187928	-0.09	0.925	-.0385943	.035072
st_OK	.0378135	.0181173	2.09	0.037	.0023043	.0733227
st_OR	-.0180365	.0167379	-1.08	0.281	-.0508422	.0147692
st_PA	-.0386471	.0182091	-2.12	0.034	-.0743362	-.0029579
st_PR	-.0760111	.0388531	-1.96	0.050	-.1521618	.0001395
st_RI	-.0218345	.068607	-0.32	0.750	-.1563018	.1126327
st_SC	-.0067176	.0119991	-0.56	0.576	-.0302353	.0168002
st_SD	.0354307	.0100872	3.51	0.000	.0156603	.0552012
st_TN	.0116895	.0074522	1.57	0.117	-.0029166	.0262955
st_TX	.0125443	.0161523	0.78	0.437	-.0191136	.0442022
st_UT	-.0165078	.0543596	-0.30	0.761	-.1230507	.090035
st_VA	.0065068	.0074361	0.88	0.382	-.0080676	.0210812
st_VT	-.0078	.0297076	-0.26	0.793	-.0660258	.0504258
st_WA	.0037956	.0267351	0.14	0.887	-.0486043	.0561955
st_WI	.005002	.0147858	0.34	0.735	-.0239777	.0339817
st_WV	-.0382299	.0366314	-1.04	0.297	-.1100261	.0335663
st_WY	.4341624	.0882761	4.92	0.000	.2611443	.6071804
pial	6.05e-06	6.73e-06	0.90	0.369	-7.14e-06	.0000192
pia_miss	8.56e-06	.0062074	0.00	0.999	-.0121577	.0121748
ime1	-9.48e-07	2.20e-06	-0.43	0.666	-5.26e-06	3.36e-06
ime_miss	-.0023784	.0033224	-0.72	0.474	-.0088902	.0041334
_cons	.6936387	.0110163	62.96	0.000	.6720472	.7152302

srvroll36						
mototkt	-.0002511	.0001949	-1.29	0.198	-.0006331	.0001309
male	.0005746	.0011703	0.49	0.623	-.0017191	.0028683
gendermiss_flag	.1509917	.1539682	0.98	0.327	-.1507804	.4527638
tsd_age	-.0009023	.0001461	-6.18	0.000	-.0011888	-.0006159
doage2	-.0000219	.0001324	-0.17	0.869	-.0002814	.0002376
doage2miss_flag	-.0489867	.1540485	-0.32	0.750	-.3509161	.2529427
race_a	.0017516	.0060287	0.29	0.771	-.0100644	.0135676
race_b	.0008115	.0014581	0.56	0.578	-.0020464	.0036693
race_h	-.0030601	.0033349	-0.92	0.359	-.0095964	.0034761
race_i	-.0055248	.0071604	-0.77	0.440	-.019559	.0085094
race_o	.0066411	.0087942	0.76	0.450	-.0105953	.0238775
race_mis	.0046629	.0051212	0.91	0.363	-.0053745	.0147002
tsd_edu_hs	.0066634	.0016084	4.14	0.000	.0035111	.0098158
tsd_edu_mrhs	.012991	.0019308	6.73	0.000	.0092066	.0167753
tsd_edu_mis	.0078079	.0018265	4.27	0.000	.0042281	.0113878
tsd_mie_exp	-.0068048	.0031996	-2.13	0.033	-.0130758	-.0005337
tsd_mie_mis	-.0033333	.001906	-1.75	0.080	-.0070687	.0004028
tsd_mie_psbl	-.0043362	.0016003	-2.71	0.007	-.0074727	-.0011997
tsd_medicare	-.0041779	.0017154	-2.44	0.015	-.00754	-.0008159
tsd_medicare_miss	-.0038808	.0067355	-0.58	0.564	-.0170821	.0093204
tsd_depend_1	-.0040876	.0016363	-2.50	0.012	-.0072946	-.0008805
tsd_depend_2	-.002472	.0014476	-1.71	0.088	-.0053092	.0003653
tsd_depend_miss	-.013928	.0046505	-2.99	0.003	-.0230427	-.0048133
tsd_vrpr	-.7776225	.002856	-272.28	0.000	-.7832202	-.7720248
tsd_vrpr_miss	-.8263984	.002647	-312.20	0.000	-.8315865	-.8212103
pdcgrou2	-.0035663	.0019367	-1.84	0.066	-.0073622	.0002297
pdcgrou3	-.000137	.00221	-0.06	0.951	-.0044686	.0041946
pdcgrou4	.0032214	.001704	1.89	0.059	-.0001185	.0065612
pdcgrou5	-.029553	.0168424	-1.75	0.079	-.0625635	.0034574
cohort2000	-.0000545	.0026073	-0.02	0.983	-.0051648	.0050558
cohort2001	-.0014871	.0043012	-0.35	0.730	-.0099172	.0069431
cohort2002	-.0026331	.0060419	-0.44	0.663	-.014475	.0092089
cohort2003	-.0012542	.0110976	-0.11	0.910	-.0230052	.0204968
cohort2004	-.0396858	.0117644	-3.37	0.001	-.0627436	-.016628
award_b4_tsd	.0023061	.005348	0.43	0.666	-.0081758	.012788
diaward_tsd	-.0002045	.0001827	-1.12	0.263	-.0005625	.0001536
epeb4twp_flag	-.1744302	.0543148	-3.21	0.001	-.2808852	-.0679752
ldwb4twp_flag	.1073418	.0395433	2.71	0.007	.0298383	.1848453
ldwb4epe_flag	.0465541	.0163011	2.86	0.004	.0146046	.0785037

twpb4tsd	.0039972	.0024247	1.65	0.099	-.0007551	.0087495
epeb4tsd	.0038358	.0033246	1.15	0.249	-.0026804	.0103519
ldwb4tsd	-.0116145	.004668	-2.49	0.013	-.0207637	-.0024653
st_AL	.0156925	.0214706	0.73	0.465	-.0263892	.0577741
st_AR	.0008663	.0077588	0.11	0.911	-.0143407	.0160733
st_AZ	.0061634	.0139125	0.44	0.658	-.0211045	.0334313
st_CA	.0147486	.0165472	0.89	0.373	-.0176833	.0471805
st_CO	.0310068	.0174693	1.77	0.076	-.0032323	.0652459
st_CT	.0083593	.0077783	1.07	0.283	-.006886	.0236045
st_DC	-.0123398	.0109343	-1.13	0.259	-.0337706	.0090909
st_DE	-.0043045	.0213267	-0.20	0.840	-.0461041	.037495
st_FL	.0199904	.0100226	1.99	0.046	.0003465	.0396343
st_GA	.004386	.0074966	0.59	0.559	-.0103071	.0190791
st_HI	-.0141068	.0632318	-0.22	0.823	-.1380389	.1098253
st_IA	.0391942	.0186	2.11	0.035	.0027388	.0756496
st_ID	-.0160544	.051807	-0.31	0.757	-.1175944	.0854855
st_IL	.0069954	.0116346	0.60	0.548	-.015808	.0297987
st_IN	-.0006682	.0075216	-0.09	0.929	-.0154103	.0140738
st_KS	.0052085	.0080354	0.65	0.517	-.0105406	.0209575
st_KY	-.0045151	.0075496	-0.60	0.550	-.0193121	.0102819
st_LA	.0103778	.007655	1.36	0.175	-.0046257	.0253814
st_MA	.0061239	.0110211	0.56	0.578	-.0154772	.0277249
st_MD	-.0041358	.0211512	-0.20	0.845	-.0455914	.0373198
st_ME	-.0236438	.0391509	-0.60	0.546	-.1003783	.0530906
st_MI	.0081724	.007412	1.10	0.270	-.0063548	.0226996
st_MN	.0087697	.0294795	0.30	0.766	-.049009	.0665485
st_MO	.0103637	.0075308	1.38	0.169	-.0043964	.0251237
st_MS	.0008908	.0077039	0.12	0.908	-.0142085	.0159901
st_MT	.0006873	.0096806	0.07	0.943	-.0182863	.0196609
st_NC	-.0200126	.0195296	-1.02	0.305	-.0582899	.0182647
st_ND	-.0135709	.0108497	-1.25	0.211	-.034836	.0076942
st_NE	.0055582	.0518072	0.11	0.915	-.0959821	.1070985
st_NH	-.0081461	.0082888	-0.98	0.326	-.0243919	.0080996
st_NJ	-.0068351	.0075059	-0.91	0.362	-.0215464	.0078763
st_NM	-.0121899	.0084382	-1.44	0.149	-.0287284	.0043487
st_NV	-.0036607	.0082527	-0.44	0.657	-.0198358	.0125144
st_NY	.0129923	.0093377	1.39	0.164	-.0053093	.031294
st_OH	-.011151	.018975	-0.59	0.557	-.0483414	.0260394
st_OK	.0516665	.018293	2.82	0.005	.0158129	.08752
st_OR	-.0091255	.0169002	-0.54	0.589	-.0422494	.0239984
st_PA	-.0415583	.0183857	-2.26	0.024	-.0775936	-.005523
st_PR	-.1031327	.0392299	-2.63	0.009	-.180022	-.0262435
st_RI	-.0246922	.0692724	-0.36	0.722	-.1604637	.1110792
st_SC	.0051947	.0121154	0.43	0.668	-.0185511	.0289405
st_SD	.0532546	.010185	5.23	0.000	.0332923	.0732168
st_TN	.0151059	.0075245	2.01	0.045	.0003582	.0298536
st_TX	.0119867	.016309	0.73	0.462	-.0199783	.0439516
st_UT	-.0237939	.0548868	-0.43	0.665	-.1313701	.0837823
st_VA	.0047807	.0075082	0.64	0.524	-.0099351	.0194964
st_VT	-.0185974	.0299957	-0.62	0.535	-.077388	.0401932
st_WA	-.0120481	.0269944	-0.45	0.655	-.0649562	.04086
st_WI	.0362557	.0149293	2.43	0.015	.0069948	.0655165
st_WV	-.0507081	.0369867	-1.37	0.170	-.1232007	.0217845
st_WY	.3683784	.0891323	4.13	0.000	.1936822	.5430746
pial	-5.40e-07	6.79e-06	-0.08	0.937	-.0000139	.0000128
pia_miss	.0098483	.0062676	1.57	0.116	-.002436	.0221325
ime1	-2.95e-08	2.22e-06	-0.01	0.989	-4.38e-06	4.32e-06
ime_miss	-.001962	.0033546	-0.58	0.559	-.0085369	.004613
_cons	.8699267	.0111231	78.21	0.000	.8481258	.8917276

srvroll48

mototkt	-.0002342	.0001959	-1.20	0.232	-.0006181	.0001497
male	-.0002217	.0011761	-0.19	0.850	-.0025268	.0020834

gendermiss_flag	.044045	.1547355	0.28	0.776	-.259231	.3473211
tsd_age	-.0008406	.0001469	-5.72	0.000	-.0011284	-.0005528
doage2	-.0001423	.0001331	-1.07	0.285	-.0004031	.0001185
doage2miss_flag	-.0614292	.1548162	-0.40	0.692	-.3648634	.2420049
race_a	-.0031008	.0060587	-0.51	0.609	-.0149757	.0087741
race_b	.0010874	.0014654	0.74	0.458	-.0017847	.0039595
race_h	-.0011813	.0033515	-0.35	0.724	-.0077501	.0053876
race_i	.007831	.0071961	1.09	0.276	-.0062732	.0219351
race_o	-.0012071	.0088381	-0.14	0.891	-.0185294	.0161152
race_mis	.0016056	.0051467	0.31	0.755	-.0084818	.011693
tsd_edu_hs	.0079094	.0016164	4.89	0.000	.0047413	.0110774
tsd_edu_mrhs	.015803	.0019404	8.14	0.000	.0119998	.0196062
tsd_edu_mis	.0079678	.0018356	4.34	0.000	.00437	.0115655
tsd_mie_exp	-.0077815	.0032155	-2.42	0.016	-.0140838	-.0014792
tsd_mie_mis	-.0039845	.0019155	-2.08	0.038	-.0077388	-.0002301
tsd_mie_psbl	-.0059553	.0016083	-3.70	0.000	-.0091075	-.0028032
tsd_medicare	-.006035	.0017239	-3.50	0.000	-.0094138	-.0026562
tsd_medicare_mis	-.0079679	.006769	-1.18	0.239	-.021235	.0052992
tsd_depend_1	-.0040562	.0016444	-2.47	0.014	-.0072792	-.0008331
tsd_depend_2	-.0023716	.0014548	-1.63	0.103	-.0052231	.0004798
tsd_depend_mis	-.0151462	.0046736	-3.24	0.001	-.0243064	-.0059861
tsd_vrpr	-.8710271	.0028702	-303.47	0.000	-.8766526	-.8654015
tsd_vrpr_mis	-.9304829	.0026602	-349.78	0.000	-.9356968	-.9252689
pdcgrou2	-.0032721	.0019464	-1.68	0.093	-.007087	.0005427
pdcgrou3	-.001933	.002221	-0.87	0.384	-.0062862	.0024201
pdcgrou4	.0011108	.0017125	0.65	0.517	-.0022456	.0044673
pdcgrou5	-.0401947	.0169263	-2.37	0.018	-.0733697	-.0070198
cohort2000	.0033681	.0026203	1.29	0.199	-.0017676	.0085039
cohort2001	.0021955	.0043226	0.51	0.612	-.0062767	.0106677
cohort2002	.0032696	.0060721	0.54	0.590	-.0086314	.0151707
cohort2003	.0078348	.0111529	0.70	0.482	-.0140246	.0296942
cohort2004	-.034294	.011823	-2.90	0.004	-.0574667	-.0111213
award_b4_tsd	-.0001331	.0053747	-0.02	0.980	-.0106672	.0104011
diaward_tsd	-.0001344	.0001836	-0.73	0.464	-.0004942	.0002254
epeb4twp_flag	-.0640194	.0545855	-1.17	0.241	-.1710049	.0429662
ldwb4twp_flag	.0643958	.0397404	1.62	0.105	-.013494	.1422855
ldwb4epe_flag	.0469541	.0163823	2.87	0.004	.0148453	.0790628
twpb4tsd	.001575	.0024368	0.65	0.518	-.003201	.006351
epeb4tsd	.0057733	.0033412	1.73	0.084	-.0007753	.0123219
ldwb4tsd	-.0137582	.0046913	-2.93	0.003	-.022953	-.0045634
st_AL	.0217886	.0215776	1.01	0.313	-.0205028	.06408
st_AR	.0014889	.0077975	0.19	0.849	-.0137939	.0167717
st_AZ	.0078004	.0139818	0.56	0.577	-.0196035	.0352042
st_CA	.0100901	.0166296	0.61	0.544	-.0225034	.0426836
st_CO	.0367777	.0175563	2.09	0.036	.002368	.0711875
st_CT	.009889	.0078171	1.27	0.206	-.0054322	.0252102
st_DC	-.0117892	.0109888	-1.07	0.283	-.0333268	.0097483
st_DE	.0067826	.021433	0.32	0.752	-.0352253	.0487905
st_FL	.0255705	.0100725	2.54	0.011	.0058287	.0453123
st_GA	.00656	.007534	0.87	0.384	-.0082063	.0213264
st_HI	-.014595	.063547	-0.23	0.818	-.1391448	.1099548
st_IA	.0350332	.0186927	1.87	0.061	-.0016039	.0716703
st_ID	-.019696	.0520652	-0.38	0.705	-.121742	.08235
st_IL	.0243658	.0116926	2.08	0.037	.0014488	.0472829
st_IN	.0019836	.0075591	0.26	0.793	-.0128319	.0167991
st_KS	.0076183	.0080754	0.94	0.345	-.0082092	.0234459
st_KY	-.0014414	.0075873	-0.19	0.849	-.0163122	.0134294
st_LA	.0147251	.0076932	1.91	0.056	-.0003532	.0298035
st_MA	.0114316	.0110761	1.03	0.302	-.0102771	.0331403
st_MD	-.0154388	.0212566	-0.73	0.468	-.057101	.0262234
st_ME	-.0284787	.0393461	-0.72	0.469	-.1055955	.0486382
st_MI	.0145548	.0074489	1.95	0.051	-.0000449	.0291544
st_MN	.0268706	.0296264	0.91	0.364	-.0311961	.0849373

st_MO	.0140033	.0075683	1.85	0.064	-.0008303	.0288369
st_MS	.0030446	.0077423	0.39	0.694	-.01213	.0182192
st_MT	-.0025987	.0097288	-0.27	0.789	-.0216669	.0164695
st_NC	-.0156374	.0196269	-0.80	0.426	-.0541054	.0228307
st_ND	-.0233204	.0109038	-2.14	0.032	-.0446914	-.0019493
st_NE	-.0225706	.0520654	-0.43	0.665	-.1246169	.0794757
st_NH	-.0083936	.0083301	-1.01	0.314	-.0247203	.0079331
st_NJ	-.009486	.0075433	-1.26	0.209	-.0242707	.0052987
st_NM	-.0115541	.0084803	-1.36	0.173	-.0281751	.0050669
st_NV	.0024005	.0082939	0.29	0.772	-.0138552	.0186562
st_NY	.0180933	.0093843	1.93	0.054	-.0002995	.0364862
st_OH	-.0239437	.0190696	-1.26	0.209	-.0613195	.013432
st_OK	.05786	.0183841	3.15	0.002	.0218277	.0938922
st_OR	.0039121	.0169845	0.23	0.818	-.0293769	.037201
st_PA	-.0490352	.0184773	-2.65	0.008	-.08525	-.0128203
st_PR	-.1170161	.0394254	-2.97	0.003	-.1942885	-.0397437
st_RI	-.0278988	.0696177	-0.40	0.689	-.1643469	.1085493
st_SC	.0079529	.0121758	0.65	0.514	-.0159113	.031817
st_SD	.0513881	.0102358	5.02	0.000	.0313264	.0714498
st_TN	.0187902	.007562	2.48	0.013	.003969	.0336114
st_TX	.0106646	.0163902	0.65	0.515	-.0214597	.0427889
st_UT	-.027892	.0551604	-0.51	0.613	-.1360043	.0802204
st_VA	.0106921	.0075456	1.42	0.156	-.004097	.0254813
st_VT	.1170087	.0301452	3.88	0.000	.0579251	.1760923
st_WA	-.0215032	.027129	-0.79	0.428	-.074675	.0316686
st_WI	.0606667	.0150037	4.04	0.000	.0312601	.0900734
st_WV	-.0565504	.037171	-1.52	0.128	-.1294042	.0163035
st_WY	.3293939	.0895766	3.68	0.000	.1538271	.5049607
pial	-9.92e-06	6.83e-06	-1.45	0.146	-.0000233	3.46e-06
pia_miss	.0010102	.0062988	0.16	0.873	-.0113353	.0133556
ime1	2.23e-06	2.23e-06	1.00	0.318	-2.15e-06	6.60e-06
ime_miss	.0028156	.0033713	0.84	0.404	-.0037921	.0094233
_cons	.9765772	.0111785	87.36	0.000	.9546677	.9984867

Endogenous variables: srvroll12 srvroll24 srvroll36 srvroll48 mototkt
Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
 race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
 tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
 tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
 epb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epb4tsd ldwb4tsd
 st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
 st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
 st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
 st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
 st_WI st_WV st_WY pial pia_miss ime1 ime_miss imm10 imm12 imm13 imm14
 imm15 imm16 imm17 imm18 imm19

$$(1) \quad 12*[srvroll12]mototkt + 12*[srvroll24]mototkt = 0$$

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0173629	.0039521	-4.39	0.000	-.0251089	-.0096169

$$(1) \quad 12*[srvroll12]mototkt + 12*[srvroll24]mototkt + 12*[srvroll36]mototkt = 0$$

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	

(1) | -.0203765 .0057975 -3.51 0.000 -.0317394 -.0090137

(1) 12*[srvroll12]mototkt + 12*[srvroll24]mototkt + 12*[srvroll36]mototkt + 12*[srvroll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0231865	.0076104	-3.05	0.002	-.0381026	-.0082704

phase 2 dependent variable: nstw, unemployment: nounemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
nstw12	77161	97	1.014961	0.4127	54213.29	0.0000
nstw24	77161	97	2.34544	0.3463	40874.33	0.0000
nstw36	77161	97	3.925146	0.2952	32312.57	0.0000
nstw48	77161	97	5.661938	0.2576	26780.39	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
nstw12						
mototkt	.0014322	.0012859	1.11	0.265	-.0010881	.0039524
male	.0165541	.0077209	2.14	0.032	.0014214	.0316867
gendermiss_flag	.0504556	1.015805	0.05	0.960	-1.940485	2.041396
tsd_age	-.0054972	.0009641	-5.70	0.000	-.0073867	-.0036077
doage2	.0019057	.0008736	2.18	0.029	.0001935	.003618
doage2miss_flag	.0373453	1.016334	0.04	0.971	-1.954633	2.029324
race_a	-.0108083	.0397742	-0.27	0.786	-.0887643	.0671476
race_b	.029126	.0096199	3.03	0.002	.0102713	.0479807
race_h	.0582816	.0220019	2.65	0.008	.0151587	.1014045
race_i	.0487646	.0472409	1.03	0.302	-.043826	.1413551
race_o	-.0268427	.05802	-0.46	0.644	-.1405598	.0868744
race_mis	-.0347736	.0337871	-1.03	0.303	-.100995	.0314479
tsd_edu_hs	.0275508	.0106113	2.60	0.009	.0067531	.0483485
tsd_edu_mrhs	.0684718	.0127385	5.38	0.000	.0435048	.0934388
tsd_edu_mis	.0276162	.0120503	2.29	0.022	.0039981	.0512344
tsd_mie_exp	.0279873	.0211092	1.33	0.185	-.013386	.0693606
tsd_mie_mis	.0227259	.0125749	1.81	0.071	-.0019205	.0473723
tsd_mie_psbl	.0008431	.0105579	0.08	0.936	-.01985	.0215361
tsd_medicare	-.0526824	.0113171	-4.66	0.000	-.0748636	-.0305013
tsd_medicare_miss	-.0295243	.0444372	-0.66	0.506	-.1166197	.057571
tsd_depend_1	-.0196344	.0107954	-1.82	0.069	-.0407931	.0015243
tsd_depend_2	-.0255524	.0095507	-2.68	0.007	-.0442714	-.0068335
tsd_depend_miss	.0260469	.0306814	0.85	0.396	-.0340875	.0861813
tsd_vrpr	.1167268	.0188425	6.19	0.000	.0797961	.1536574
tsd_vrpr_miss	.1281176	.0174638	7.34	0.000	.0938891	.162346
pdcgroup2	.0053949	.0127776	0.42	0.673	-.0196488	.0304386
pdcgroup3	.0351006	.0145806	2.41	0.016	.0065231	.0636781
pdcgroup4	.0576995	.0112423	5.13	0.000	.035665	.0797339
pdcgroup5	-.0360672	.1111175	-0.32	0.745	-.2538535	.181719
cohort2000	.00065	.017202	0.04	0.970	-.0330652	.0343653
cohort2001	.0033252	.028377	0.12	0.907	-.0522928	.0589432
cohort2002	-.0517877	.0398617	-1.30	0.194	-.1299152	.0263399
cohort2003	.0437618	.0732166	0.60	0.550	-.0997401	.1872637
cohort2004	.0862477	.0776156	1.11	0.266	-.065876	.2383714

award_b4_tsd	-.0290306	.0352835	-0.82	0.411	-.0981849	.0401238
diaward_tsd	-.0022924	.0012052	-1.90	0.057	-.0046547	.0000698
epeb4twp_flag	.9799746	.3583416	2.73	0.006	.277638	1.682311
ldwb4twp_flag	.1855845	.2608871	0.71	0.477	-.3257447	.6969137
ldwb4epe_flag	-.2772486	.1075463	-2.58	0.010	-.4880356	-.0664617
twpb4tsd	.87205	.0159969	54.51	0.000	.8406966	.9034033
epeb4tsd	.5628081	.0219343	25.66	0.000	.5198177	.6057984
ldwb4tsd	5.51674	.0307974	179.13	0.000	5.456378	5.577101
st_AL	-.2544616	.1416524	-1.80	0.072	-.5320953	.0231721
st_AR	.0210858	.0511887	0.41	0.680	-.0792422	.1214138
st_AZ	-.0539394	.0917874	-0.59	0.557	-.2338394	.1259606
st_CA	.1222311	.1091699	1.12	0.263	-.091738	.3362003
st_CO	-.0023345	.1152534	-0.02	0.984	-.228227	.223558
st_CT	.0404606	.0513174	0.79	0.430	-.0601197	.1410409
st_DC	.1367739	.0721388	1.90	0.058	-.0046156	.2781633
st_DE	.0174789	.1407029	0.12	0.901	-.2582936	.2932515
st_FL	-.012924	.0661239	-0.20	0.845	-.1425244	.1166764
st_GA	.0707973	.0494589	1.43	0.152	-.0261405	.167735
st_HI	.0290413	.4171719	0.07	0.945	-.7886005	.8466831
st_IA	-.1056995	.1227136	-0.86	0.389	-.3462137	.1348148
st_ID	.753562	.3417968	2.20	0.027	.0836525	1.423471
st_IL	-.0489641	.0767592	-0.64	0.524	-.1994093	.1014811
st_IN	.0273715	.0496237	0.55	0.581	-.0698891	.1246322
st_KS	-.0022688	.0530135	-0.04	0.966	-.1061733	.1016358
st_KY	.0205291	.0498088	0.41	0.680	-.0770943	.1181525
st_LA	.04899	.050504	0.97	0.332	-.0499959	.1479759
st_MA	-.0770538	.0727119	-1.06	0.289	-.2195665	.065459
st_MD	.4533352	.139545	3.25	0.001	.1798321	.7268384
st_ME	.777844	.2582982	3.01	0.003	.2715888	1.284099
st_MI	.0477634	.0489006	0.98	0.329	-.0480801	.1436069
st_MN	.3619029	.1944909	1.86	0.063	-.0192922	.743098
st_MO	.0126772	.0496843	0.26	0.799	-.0847022	.1100566
st_MS	.0526955	.0508263	1.04	0.300	-.0469221	.1523132
st_MT	.0788218	.0638677	1.23	0.217	-.0463566	.2040001
st_NC	.4447795	.1288464	3.45	0.001	.1922452	.6973139
st_ND	-.0304692	.071581	-0.43	0.670	-.1707654	.1098271
st_NE	-.0792854	.3417979	-0.23	0.817	-.749197	.5906262
st_NH	.0075696	.0546853	0.14	0.890	-.0996117	.1147508
st_NJ	.0421749	.0495204	0.85	0.394	-.0548834	.1392331
st_NM	.1289378	.0556711	2.32	0.021	.0198245	.238051
st_NV	-.012794	.0544475	-0.23	0.814	-.1195091	.0939211
st_NY	-.0136604	.0616057	-0.22	0.825	-.1344054	.1070847
st_OH	.2343703	.1251878	1.87	0.061	-.0109933	.4797339
st_OK	.0790713	.1206879	0.66	0.512	-.1574726	.3156152
st_OR	-.0712038	.1114993	-0.64	0.523	-.2897384	.1473308
st_PA	.3505634	.1212996	2.89	0.004	.1128206	.5883061
st_PR	.0418282	.2588193	0.16	0.872	-.4654484	.5491047
st_RI	-.4830742	.4570246	-1.06	0.291	-1.378826	.4126776
st_SC	-.0155974	.0799316	-0.20	0.845	-.1722605	.1410656
st_SD	.0227309	.0671955	0.34	0.735	-.1089699	.1544317
st_TN	.0313318	.0496427	0.63	0.528	-.0659661	.1286296
st_TX	.4051412	.1075983	3.77	0.000	.1942524	.6160299
st_UT	-.0380672	.3621157	-0.11	0.916	-.747801	.6716666
st_VA	.0434963	.0495353	0.88	0.380	-.0535911	.1405837
st_VT	-.1114329	.1978969	-0.56	0.573	-.4993036	.2764378
st_WA	.0100584	.1780958	0.06	0.955	-.3390029	.3591197
st_WI	.0096898	.0984957	0.10	0.922	-.1833583	.2027379
st_WV	.6338517	.2440195	2.60	0.009	.1555823	1.112121
st_WY	.0564485	.5880504	0.10	0.924	-1.096109	1.209006
pial	-.0000365	.0000448	-0.82	0.415	-.0001244	.0000513
pia_miss	-.0799301	.0413504	-1.93	0.053	-.1609753	.0011152
ime1	.000033	.0000147	2.26	0.024	4.33e-06	.0000618
ime_miss	.0150341	.022132	0.68	0.497	-.0283439	.0584121

	_cons						
		-.005924	.0733847	-0.08	0.936	-.1497554	.1379073

nstw24							
mototkt		.0013042	.0029715	0.44	0.661	-.0045198	.0071282
male		.0685112	.0178419	3.84	0.000	.0335417	.1034807
gendermiss_flag		-.1521919	2.347391	-0.06	0.948	-4.752993	4.448609
tsd_age		-.0168028	.0022278	-7.54	0.000	-.0211693	-.0124363
doage2		.0035645	.0020188	1.77	0.077	-.0003922	.0075212
doage2miss_flag		-.017251	2.348614	-0.01	0.994	-4.62045	4.585948
race_a		.0023861	.0919129	0.03	0.979	-.1777598	.1825321
race_b		.0890956	.0222304	4.01	0.000	.0455249	.1326663
race_h		.1369877	.0508435	2.69	0.007	.0373363	.236639
race_i		.0872382	.1091676	0.80	0.424	-.1267262	.3012027
race_o		.0026109	.1340766	0.02	0.984	-.2601744	.2653962
race_mis		-.047526	.0780775	-0.61	0.543	-.2005551	.105503
tsd_edu_hs		.0614576	.0245212	2.51	0.012	.0133969	.1095184
tsd_edu_mrhs		.2042863	.029437	6.94	0.000	.1465909	.2619818
tsd_edu_mis		.1070148	.0278466	3.84	0.000	.0524364	.1615932
tsd_mie_exp		.046843	.0487806	0.96	0.337	-.0487652	.1424513
tsd_mie_mis		.0213927	.029059	0.74	0.462	-.0355618	.0783473
tsd_mie_psbl		.0039436	.0243979	0.16	0.872	-.0438753	.0517626
tsd_medicare		-.1467051	.0261523	-5.61	0.000	-.1979627	-.0954474
tsd_medicare_miss		-.1619746	.1026885	-1.58	0.115	-.3632404	.0392912
tsd_depend_1		-.0839122	.0249468	-3.36	0.001	-.1328071	-.0350173
tsd_depend_2		-.0727156	.0220703	-3.29	0.001	-.1159727	-.0294585
tsd_depend_miss		.0649824	.0709006	0.92	0.359	-.0739803	.2039451
tsd_vrpr		.3336816	.0435425	7.66	0.000	.2483398	.4190234
tsd_vrpr_miss		.3038125	.0403566	7.53	0.000	.2247151	.3829099
pdcgroup2		-.000828	.0295274	-0.03	0.978	-.0587007	.0570447
pdcgroup3		.1075715	.0336939	3.19	0.001	.0415327	.1736103
pdcgroup4		.1646216	.0259794	6.34	0.000	.1137029	.2155403
pdcgroup5		-.0003782	.2567778	-0.00	0.999	-.5036534	.502897
cohort2000		-.007857	.0397515	-0.20	0.843	-.0857685	.0700545
cohort2001		.0059952	.0655756	0.09	0.927	-.1225307	.134521
cohort2002		-.1247525	.0921152	-1.35	0.176	-.3052949	.0557899
cohort2003		.0775883	.1691939	0.46	0.647	-.2540257	.4092023
cohort2004		.1342177	.1793593	0.75	0.454	-.21732	.4857555
award_b4_tsd		.007259	.0815355	0.09	0.929	-.1525475	.1670656
diaward_tsd		-.0073666	.0027852	-2.64	0.008	-.0128254	-.0019078
epeb4twp_flag		.898757	.8280801	1.09	0.278	-.7242502	2.521764
ldwb4twp_flag		.1983003	.6028755	0.33	0.742	-.983314	1.379915
ldwb4epe_flag		.2666382	.2485254	1.07	0.283	-.2204625	.753739
twpb4tsd		2.712685	.0369667	73.38	0.000	2.640231	2.785138
epeb4tsd		.9773733	.0506872	19.28	0.000	.8780282	1.076718
ldwb4tsd		10.11024	.0711688	142.06	0.000	9.970755	10.24973
st_AL		-.3120157	.3273401	-0.95	0.340	-.9535904	.3295591
st_AR		-.0271371	.1182903	-0.23	0.819	-.2589818	.2047076
st_AZ		-.0502741	.2121086	-0.24	0.813	-.4659993	.3654511
st_CA		.0751164	.2522773	0.30	0.766	-.4193381	.5695708
st_CO		-.1144442	.2663354	-0.43	0.667	-.636452	.4075636
st_CT		.0352122	.1185878	0.30	0.767	-.1972156	.2676399
st_DC		.3615233	.1667032	2.17	0.030	.034791	.6882555
st_DE		.2474461	.3251457	0.76	0.447	-.3898279	.88472
st_FL		-.0485905	.1528035	-0.32	0.750	-.34808	.2508989
st_GA		.1410936	.1142931	1.23	0.217	-.0829167	.3651038
st_HI		-.0431874	.9640291	-0.04	0.964	-1.93265	1.846275
st_IA		-.249995	.283575	-0.88	0.378	-.8057918	.3058017
st_ID		1.618326	.7898473	2.05	0.040	.0702537	3.166398
st_IL		-.1545131	.1773803	-0.87	0.384	-.5021721	.1931459
st_IN		.0382739	.1146738	0.33	0.739	-.1864826	.2630304
st_KS		-.0229336	.1225072	-0.19	0.852	-.2630432	.2171761
st_KY		-.0070676	.1151015	-0.06	0.951	-.2326624	.2185272
st_LA		.1216385	.116708	1.04	0.297	-.1071049	.3503819

st_MA	-.0715395	.1680277	-0.43	0.670	-.4008678	.2577887
st_MD	.9826709	.32247	3.05	0.002	.3506412	1.614701
st_ME	1.465597	.596893	2.46	0.014	.295708	2.635486
st_MI	.0693343	.1130029	0.61	0.540	-.1521473	.2908159
st_MN	.6612303	.4494427	1.47	0.141	-.2196613	1.542122
st_MO	-.0100732	.1148138	-0.09	0.930	-.2351041	.2149577
st_MS	.10324	.1174528	0.88	0.379	-.1269633	.3334433
st_MT	.0643676	.1475897	0.44	0.663	-.224903	.3536381
st_NC	.7859752	.2977471	2.64	0.008	.2024016	1.369549
st_ND	-.1012739	.1654143	-0.61	0.540	-.4254799	.2229322
st_NE	-.3856866	.7898498	-0.49	0.625	-1.933764	1.162391
st_NH	.1246381	.1263705	0.99	0.324	-.1230436	.3723198
st_NJ	.1025299	.1144352	0.90	0.370	-.121759	.3268187
st_NM	.2514372	.1286485	1.95	0.051	-.0007091	.5035836
st_NV	-.0346573	.125821	-0.28	0.783	-.2812618	.2119473
st_NY	-.049198	.1423627	-0.35	0.730	-.3282238	.2298278
st_OH	.4087214	.2892925	1.41	0.158	-.1582815	.9757243
st_OK	-.0816478	.2788937	-0.29	0.770	-.6282695	.4649739
st_OR	-.1220469	.2576602	-0.47	0.636	-.6270515	.3829578
st_PA	.6234316	.2803073	2.22	0.026	.0740395	1.172824
st_PR	.0426977	.5980972	0.07	0.943	-1.129551	1.214947
st_RI	-1.509609	1.056124	-1.43	0.153	-3.579573	.5603553
st_SC	-.0614774	.1847114	-0.33	0.739	-.423505	.3005502
st_SD	-.0102299	.1552799	-0.07	0.947	-.314573	.2941132
st_TN	.0340975	.1147177	0.30	0.766	-.1907451	.25894
st_TX	.5705945	.2486454	2.29	0.022	.0832585	1.057931
st_UT	-.2322269	.8368017	-0.28	0.781	-1.872328	1.407874
st_VA	.0920995	.1144695	0.80	0.421	-.1322566	.3164556
st_VT	-.1349844	.4573135	-0.30	0.768	-1.031302	.7613336
st_WA	.0605391	.4115558	0.15	0.883	-.7460954	.8671736
st_WI	-.0635268	.2276106	-0.28	0.780	-.5096354	.3825818
st_WV	1.509631	.5638969	2.68	0.007	.4044134	2.614849
st_WY	.0462008	1.358907	0.03	0.973	-2.617208	2.709609
pial	-.0000726	.0001036	-0.70	0.483	-.0002756	.0001304
pia_miss	-.2851765	.0955552	-2.98	0.003	-.4724614	-.0978917
ime1	.000095	.0000339	2.80	0.005	.0000286	.0001613
ime_miss	.0210255	.0511442	0.41	0.681	-.0792153	.1212664
_cons	.2613196	.1695823	1.54	0.123	-.0710556	.5936948

nstw36

mototkt	-.0019666	.0049729	-0.40	0.693	-.0117132	.0077801
male	.1401028	.0298588	4.69	0.000	.0815805	.1986251
gendermiss_flag	-.6492957	3.92841	-0.17	0.869	-8.348837	7.050246
tsd_age	-.0337427	.0037283	-9.05	0.000	-.0410501	-.0264353
doage2	.004191	.0033784	1.24	0.215	-.0024306	.0108127
doage2miss_flag	-.2062781	3.930458	-0.05	0.958	-7.909834	7.497277
race_a	.0224293	.1538183	0.15	0.884	-.279049	.3239075
race_b	.1669896	.037203	4.49	0.000	.0940731	.2399061
race_h	.2220171	.0850877	2.61	0.009	.0552484	.3887858
race_i	.1265086	.1826943	0.69	0.489	-.2315657	.4845828
race_o	.0257849	.2243801	0.11	0.909	-.413992	.4655619
race_mis	-.0775638	.1306644	-0.59	0.553	-.3336613	.1785337
tsd_edu_hs	.1056503	.0410368	2.57	0.010	.0252196	.186081
tsd_edu_mrhs	.4178345	.0492635	8.48	0.000	.3212799	.514389
tsd_edu_mis	.2250899	.046602	4.83	0.000	.1337517	.3164281
tsd_mie_exp	.0863303	.0816355	1.06	0.290	-.0736723	.2463329
tsd_mie_mis	-.0073836	.0486308	-0.15	0.879	-.1026983	.0879311
tsd_mie_psbl	-.0163247	.0408304	-0.40	0.689	-.0963507	.0637014
tsd_medicare	-.243536	.0437665	-5.56	0.000	-.3293168	-.1577552
tsd_medicare_miss	-.4004619	.1718515	-2.33	0.020	-.7372847	-.0636392
tsd_depend_1	-.1847516	.0417491	-4.43	0.000	-.2665783	-.102925
tsd_depend_2	-.1224943	.0369352	-3.32	0.001	-.194886	-.0501027
tsd_depend_miss	.029286	.1186538	0.25	0.805	-.2032711	.2618431

tsd_vrpr	.5734574	.0728694	7.87	0.000	.430636	.7162788
tsd_vrpr_miss	.4301725	.0675376	6.37	0.000	.2978012	.5625438
pdcgrou2	-.0316531	.0494148	-0.64	0.522	-.1285043	.0651982
pdcgrou3	.191873	.0563875	3.40	0.001	.0813556	.3023904
pdcgrou4	.2881121	.0434771	6.63	0.000	.2028985	.3733257
pdcgrou5	-.0433943	.4297233	-0.10	0.920	-.8856364	.7988479
cohort2000	-.0484634	.066525	-0.73	0.466	-.17885	.0819232
cohort2001	-.0337269	.1097422	-0.31	0.759	-.2488177	.1813639
cohort2002	-.2416137	.1541568	-1.57	0.117	-.5437554	.0605279
cohort2003	.2114271	.2831498	0.75	0.455	-.3435362	.7663904
cohort2004	.2140516	.3001617	0.71	0.476	-.3742546	.8023578
award_b4_tsd	.0859771	.1364514	0.63	0.529	-.1814627	.8234169
diaward_tsd	-.0140076	.004661	-3.01	0.003	-.023143	-.0048721
epeb4twp_flag	.8490041	1.38581	0.61	0.540	-1.867134	3.565142
ldwb4twp_flag	-.8481144	1.008925	-0.84	0.401	-2.825572	1.129343
ldwb4epe_flag	1.694	.4159127	4.07	0.000	.8788264	2.509174
twpb4tsd	4.671717	.0618646	75.52	0.000	4.550465	4.79297
epeb4tsd	1.220734	.0848261	14.39	0.000	1.054477	1.38699
ldwb4tsd	14.20908	.1191025	119.30	0.000	13.97564	14.44252
st_AL	.0169345	.5478108	0.03	0.975	-1.056755	1.090624
st_AR	-.0841668	.1979614	-0.43	0.671	-.472164	.3038304
st_AZ	.0886246	.3549684	0.25	0.803	-.6071007	.7843499
st_CA	.2645126	.4221917	0.63	0.531	-.5629679	1.091993
st_CO	-.349285	.4457182	-0.78	0.433	-1.222877	.5243065
st_CT	.0602832	.1984592	0.30	0.761	-.3286898	.4492561
st_DC	.715994	.2789815	2.57	0.010	.1692004	1.262788
st_DE	.6728639	.5441386	1.24	0.216	-.3936281	1.739356
st_FL	.0113188	.2557201	0.04	0.965	-.4898833	.5125209
st_GA	.2504208	.191272	1.31	0.190	-.1244654	.6253069
st_HI	-.1843441	1.613324	-0.11	0.909	-3.346401	2.977713
st_IA	-.5791509	.474569	-1.22	0.222	-1.509289	.3509872
st_ID	2.788023	1.321827	2.11	0.035	.1972898	5.378756
st_IL	-.2089272	.2968498	-0.70	0.482	-.7907422	.3728877
st_IN	.0954181	.1919091	0.50	0.619	-.2807169	.471553
st_KS	.07509	.2050185	0.37	0.714	-.3267389	.4769188
st_KY	-.0063611	.1926249	-0.03	0.974	-.383899	.3711767
st_LA	.2158829	.1953134	1.11	0.269	-.1669242	.5986901
st_MA	.1204942	.281198	0.43	0.668	-.4306438	.6716322
st_MD	1.442484	.5396607	2.67	0.008	.3847688	2.5002
st_ME	2.083194	.9989136	2.09	0.037	.1253588	4.041028
st_MI	.104268	.1891128	0.55	0.581	-.2663864	.4749223
st_MN	.9594827	.7521523	1.28	0.202	-.5147088	2.433674
st_MO	-.0269924	.1921434	-0.14	0.888	-.4035866	.3496017
st_MS	.2040176	.1965599	1.04	0.299	-.1812327	.5892679
st_MT	.1556856	.2469947	0.63	0.528	-.3284151	.6397863
st_NC	1.096034	.4982863	2.20	0.028	.1194112	2.072658
st_ND	-.1582909	.2768245	-0.57	0.567	-.7008569	.3842751
st_NE	-.8040603	1.321831	-0.61	0.543	-3.394802	1.786681
st_NH	.3623997	.2114839	1.71	0.087	-.0521011	.7769006
st_NJ	.2200692	.1915098	1.15	0.251	-.1552831	.5954214
st_NM	.3917924	.215296	1.82	0.069	-.03018	.8137649
st_NV	-.0084411	.2105642	-0.04	0.968	-.4211393	.4042571
st_NY	-.0450564	.2382472	-0.19	0.850	-.5120123	.4218994
st_OH	.6735662	.4841374	1.39	0.164	-.2753256	1.622458
st_OK	.1031004	.4667348	0.22	0.825	-.8116831	1.017884
st_OR	-.1040484	.4312	-0.24	0.809	-.9491848	.741088
st_PA	.919202	.4691004	1.96	0.050	-.0002178	1.838622
st_PR	.0035906	1.000929	0.00	0.997	-1.958194	1.965375
st_RI	-2.670915	1.767446	-1.51	0.131	-6.135046	.7932159
st_SC	-.1724458	.3091185	-0.56	0.577	-.778307	.4334154
st_SD	-.0452705	.2598644	-0.17	0.862	-.5545954	.4640544
st_TN	.0556142	.1919826	0.29	0.772	-.3206647	.4318931
st_TX	.7968256	.4161135	1.91	0.056	-.018742	1.612393

st_UT	-.4561256	1.400406	-0.33	0.745	-3.200871	2.28862
st_VA	.1983993	.1915672	1.04	0.300	-.1770655	.5738642
st_VT	-.4177123	.7653242	-0.55	0.585	-1.91772	1.082296
st_WA	.1731169	.6887477	0.25	0.802	-1.176804	1.523037
st_WI	-.0852906	.3809113	-0.22	0.823	-.8318631	.6612819
st_WV	2.806304	.9436939	2.97	0.003	.9566982	4.65591
st_WY	3.629028	2.27416	1.60	0.111	-.8282449	8.0863
pial	-.0000751	.0001733	-0.43	0.665	-.0004148	.0002646
pia_miss	-.4413885	.1599138	-2.76	0.006	-.7548138	-.1279633
ime1	.0001736	.0000567	3.06	0.002	.0000625	.0002846
ime_miss	-.041844	.085591	-0.49	0.625	-.2095993	.1259113
_cons	.8928117	.2837997	3.15	0.002	.3365745	1.449049

nstw48						
mototkt	-.0059486	.0071733	-0.83	0.407	-.0200079	.0081107
male	.2260496	.0430707	5.25	0.000	.1416325	.3104667
gendermiss_flag	-1.442773	5.666646	-0.25	0.799	-12.5492	9.66365
tsd_age	-.0540106	.0053781	-10.04	0.000	-.0645514	-.0434698
doage2	.003196	.0048733	0.66	0.512	-.0063556	.0127475
doage2miss_flag	-.7213986	5.6696	-0.13	0.899	-11.83361	10.39081
race_a	-.0101094	.2218795	-0.05	0.964	-.4449853	.4247664
race_b	.2659549	.0536645	4.96	0.000	.1607744	.3711354
race_h	.293461	.1227371	2.39	0.017	.0529007	.5340213
race_i	.1978887	.2635326	0.75	0.453	-.3186257	.7144031
race_o	-.0358751	.3236634	-0.11	0.912	-.6702437	.5984936
race_mis	-.1000708	.1884805	-0.53	0.595	-.4694859	.2693443
tsd_edu_hs	.1542927	.0591947	2.61	0.009	.0382731	.2703122
tsd_edu_mrhs	.6901218	.0710615	9.71	0.000	.5508439	.8293997
tsd_edu_mis	.361507	.0672223	5.38	0.000	.2297537	.4932603
tsd_mie_exp	.1015044	.1177574	0.86	0.389	-.1292959	.3323047
tsd_mie_mis	-.0390162	.0701489	-0.56	0.578	-.1765056	.0984732
tsd_mie_psbl	-.0576249	.0588969	-0.98	0.328	-.1730607	.0578109
tsd_medicare	-.346455	.0631322	-5.49	0.000	-.4701919	-.2227181
tsd_medicare_miss	-.7087987	.2478921	-2.86	0.004	-1.194658	-.2229392
tsd_depend_1	-.2843011	.0602221	-4.72	0.000	-.4023343	-.1662679
tsd_depend_2	-.1582803	.0532782	-2.97	0.003	-.2627037	-.0538568
tsd_depend_miss	-.1187818	.1711555	-0.69	0.488	-.4542404	.2166768
tsd_vrpr	.6444344	.1051125	6.13	0.000	.4384176	.8550511
tsd_vrpr_miss	.3490069	.0974215	3.58	0.000	.1580642	.5399496
pdcgrou2	-.0987522	.0712798	-1.39	0.166	-.238458	.0409536
pdcgrou3	.2557869	.0813377	3.14	0.002	.096368	.4152058
pdcgrou4	.4045236	.0627148	6.45	0.000	.2816049	.5274424
pdcgrou5	-.1537024	.6198665	-0.25	0.804	-1.368618	1.061214
cohort2000	-.0808851	.0959609	-0.84	0.399	-.268965	.1071948
cohort2001	-.0647614	.1583008	-0.41	0.682	-.3750253	.2455024
cohort2002	-.3352841	.2223678	-1.51	0.132	-.7711169	.1005487
cohort2003	.4766251	.4084374	1.17	0.243	-.3238975	1.277148
cohort2004	.4817416	.4329768	1.11	0.266	-.3668774	1.33036
award_b4_tsd	.1477818	.1968282	0.75	0.453	-.2379943	.5335579
diaward_tsd	-.019762	.0067234	-2.94	0.003	-.0329397	-.0065843
epeb4twp_flag	2.616103	1.999001	1.31	0.191	-1.301867	6.534074
ldwb4twp_flag	-2.181722	1.455353	-1.50	0.134	-5.034162	.6707177
ldwb4epe_flag	3.690396	.599945	6.15	0.000	2.514526	4.866267
twpb4tsd	6.520112	.0892384	73.06	0.000	6.345208	6.695016
epeb4tsd	1.320127	.1223598	10.79	0.000	1.080306	1.559948
ldwb4tsd	18.00966	.1718028	104.83	0.000	17.67293	18.34639
st_AL	.3992303	.7902053	0.51	0.613	-1.149544	1.948004
st_AR	-.3177122	.285555	-1.11	0.266	-.8773897	.2419654
st_AZ	.1519546	.5120342	0.30	0.767	-.8516141	1.155523
st_CA	.2089482	.6090023	0.34	0.732	-.9846745	1.402571
st_CO	-.6848634	.6429388	-1.07	0.287	-1.945	.5752734
st_CT	-.105812	.2862732	-0.37	0.712	-.6668971	.4552731
st_DC	.881573	.4024247	2.19	0.028	.0928351	1.670311

st_DE	.9538893	.7849081	1.22	0.224	-.5845023	2.492281
st_FL	-.148798	.3688707	-0.40	0.687	-.8717712	.5741752
st_GA	.225617	.2759057	0.82	0.414	-.3151481	.7663822
st_HI	-.5718478	2.327185	-0.25	0.806	-5.133046	3.989351
st_IA	-1.024735	.6845555	-1.50	0.134	-2.366439	.3169694
st_ID	5.183696	1.906707	2.72	0.007	1.44662	8.920772
st_IL	-.4381489	.4281994	-1.02	0.306	-1.277404	.4011065
st_IN	-.0340811	.2768247	-0.12	0.902	-.5766476	.5084855
st_KS	-.0049806	.2957347	-0.02	0.987	-.5846099	.5746488
st_KY	-.195714	.2778572	-0.70	0.481	-.7403041	.3488762
st_LA	.1526442	.2817353	0.54	0.588	-.3995468	.7048352
st_MA	.1477671	.4056221	0.36	0.716	-.6472375	.9427718
st_MD	2.123975	.7784489	2.73	0.006	.5982427	3.649706
st_ME	2.456502	1.440911	1.70	0.088	-.3676322	5.280636
st_MI	-.0535543	.2727912	-0.20	0.844	-.5882152	.4811065
st_MN	.9403381	1.084963	0.87	0.386	-1.186151	3.066827
st_MO	-.234097	.2771627	-0.84	0.398	-.777326	.309132
st_MS	.1463187	.2835334	0.52	0.606	-.4093965	.7020339
st_MT	.1082582	.3562845	0.30	0.761	-.5900465	.806563
st_NC	1.292199	.7187672	1.80	0.072	-.1165584	2.700957
st_ND	-.4130226	.3993133	-1.03	0.301	-1.195662	.369617
st_NE	-1.525432	1.906713	-0.80	0.424	-5.26252	2.211657
st_NH	.4859787	.3050609	1.59	0.111	-.1119298	1.083887
st_NJ	.1683208	.2762487	0.61	0.542	-.3731167	.7097583
st_NM	.339116	.3105599	1.09	0.275	-.2695701	.9478022
st_NV	-.1042052	.3037342	-0.34	0.732	-.6995133	.491103
st_NY	-.1090298	.3436664	-0.32	0.751	-.7826035	.5645439
st_OH	.5807845	.6983577	0.83	0.406	-.7879714	1.949541
st_OK	.3736395	.6732549	0.55	0.579	-.9459158	1.693195
st_OR	-.2725046	.6219966	-0.44	0.661	-1.491596	.9465863
st_PA	1.076961	.6766671	1.59	0.111	-.2492826	2.403204
st_PR	-.2667105	1.443818	-0.18	0.853	-3.096542	2.563121
st_RI	-4.038936	2.549503	-1.58	0.113	-9.035869	.9579979
st_SC	-.5672692	.4458968	-1.27	0.203	-1.441211	.3066724
st_SD	-.3364732	.3748488	-0.90	0.369	-1.071163	.3982169
st_TN	-.1079861	.2769307	-0.39	0.697	-.6507602	.4347881
st_TX	.9068566	.6002348	1.51	0.131	-.2695819	2.083295
st_UT	-.8757684	2.020055	-0.43	0.665	-4.835004	3.083468
st_VA	.1452036	.2763316	0.53	0.599	-.3963964	.6868036
st_VT	-1.121023	1.103964	-1.02	0.310	-3.284752	1.042706
st_WA	.2360135	.9935036	0.24	0.812	-1.711218	2.183245
st_WI	-.3154066	.5494564	-0.57	0.566	-1.392321	.7615081
st_WV	4.28449	1.361258	3.15	0.002	1.616474	6.952507
st_WY	7.224285	3.280427	2.20	0.028	.7947658	13.6538
pial	-.0000803	.00025	-0.32	0.748	-.0005703	.0004098
pia_miss	-.5165258	.2306722	-2.24	0.025	-.9686349	-.0644166
ime1	.0002647	.0000817	3.24	0.001	.0001045	.0004249
ime_miss	-.1666177	.1234632	-1.35	0.177	-.408601	.0753657
_cons	2.109867	.4093749	5.15	0.000	1.307507	2.912227

Endogenous variables: nstw12 nstw24 nstw36 nstw48 mototkt

Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
epb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epb4tsd ldwb4tsd
st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
st_WI st_WV st_WY pial pia_miss ime1 ime_miss imm10 imm12 imm13 imm14

imm15 imm16 imm17 imm18 imm19

(1) 12*[nstw12]mototkt + 12*[nstw24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0328365	.0496507	0.66	0.508	-.064477	.13015

(1) 12*[nstw12]mototkt + 12*[nstw24]mototkt + 12*[nstw36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0092374	.1067541	0.09	0.931	-.1999968	.2184716

(1) 12*[nstw12]mototkt + 12*[nstw24]mototkt + 12*[nstw36]mototkt + 12*[nstw48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.062146	.1890953	-0.33	0.742	-.432766	.3084739

phase 3 dependent variable: ldwroll, unemployment: nounemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
ldwroll12	1.1e+05	97	.1263962	0.1209	15768.66	0.0000
ldwroll24	1.1e+05	97	.1762091	0.1203	15685.13	0.0000
ldwroll36	1.1e+05	97	.2101616	0.1202	15660.06	0.0000
ldwroll48	1.1e+05	97	.2366855	0.1136	14691.02	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
ldwroll12						
mototkt	.0001	.0001342	0.75	0.456	-.000163	.000363
male	.0013224	.0007822	1.69	0.091	-.0002107	.0028556
gendermiss_flag	-.0075028	.0565403	-0.13	0.894	-.1183197	.1033141
tsd_age	-.0002807	.0000096	-2.92	0.003	-.0004689	-.0000925
doage2	-.0000816	.0000854	-0.95	0.340	-.0002491	.0000859
doage2miss_flag	-.1183315	.1264464	-0.94	0.349	-.366162	.129499
race_a	-.0019898	.002504	-0.79	0.427	-.0068974	.0029179
race_b	.0040916	.0010988	3.72	0.000	.001938	.0062452
race_h	.0014622	.0013776	1.06	0.288	-.0012378	.0041622
race_i	.0044159	.0050763	0.87	0.384	-.0055334	.0143653
race_o	.0114059	.0037483	3.04	0.002	.0040593	.0187525
race_mis	.006683	.0029384	2.27	0.023	.0009239	.0124421
tsd_edu_hs	.0028543	.0011675	2.44	0.014	.000566	.0051426
tsd_edu_mrhs	.0067644	.0013391	5.05	0.000	.0041398	.009389
tsd_edu_mis	.0049828	.0013011	3.83	0.000	.0024327	.0075328
tsd_mie_exp	.0031553	.0024288	1.30	0.194	-.0016051	.0079157
tsd_mie_mis	-.0018547	.0013451	-1.38	0.168	-.004491	.0007815
tsd_mie_psbl	-.0000454	.001053	-0.04	0.966	-.0021093	.0020185

tsd_medicare	-.0051732	.0013717	-3.77	0.000	-.0078617	-.0024847
tsd_medicare_miss	-.0064315	.0047652	-1.35	0.177	-.0157711	.002908
tsd_depend_1	-.0025427	.00111	-2.29	0.022	-.0047183	-.0003671
tsd_depend_2	-.0005018	.0009814	-0.51	0.609	-.0024253	.0014217
tsd_depend_miss	.004475	.0034994	1.28	0.201	-.0023837	.0113336
tsd_vrpr	.0100511	.0022153	4.54	0.000	.0057092	.014393
tsd_vrpr_miss	.0121053	.0021039	5.75	0.000	.0079819	.0162288
pdgroup2	-.002512	.0012545	-2.00	0.045	-.0049708	-.0000531
pdgroup3	.0036159	.0014633	2.47	0.013	.0007478	.0064839
pdgroup4	.0016455	.0010988	1.50	0.134	-.0005082	.0037992
pdgroup5	-.0013155	.0114448	-0.11	0.908	-.0237469	.0211158
cohort2000	.0023548	.0018775	1.25	0.210	-.0013251	.0060346
cohort2001	.0056532	.002884	1.96	0.050	6.12e-07	.0113057
cohort2002	.0068373	.0040857	1.67	0.094	-.0011706	.0148452
cohort2003	.004868	.0053798	0.90	0.366	-.0056763	.0154123
cohort2004	.0154402	.0089891	1.72	0.086	-.002178	.0330585
award_b4_tsd	-.0045188	.004731	-0.96	0.340	-.0137914	.0047538
diaward_tsd	-.0002218	.000118	-1.88	0.060	-.000453	9.40e-06
epeb4twp_flag	-.0930892	.0429429	-2.17	0.030	-.1772558	-.0089225
ldwb4twp_flag	.1020383	.0311835	3.27	0.001	.0409198	.1631568
ldwb4epe_flag	.1160888	.0108567	10.69	0.000	.09481	.1373675
twpb4tsd	.153855	.0014743	104.36	0.000	.1509654	.1567445
epeb4tsd	.0593042	.0020879	28.40	0.000	.055212	.0633963
ldwb4tsd	-.0933654	.0027341	-34.15	0.000	-.0987242	-.0880067
st_AL	.0029823	.0077213	0.39	0.699	-.0121511	.0181157
st_AR	-.0073353	.0156056	-0.47	0.638	-.0379217	.0232511
st_AZ	.0162534	.0122899	1.32	0.186	-.0078344	.0403411
st_CA	.0116227	.0075652	1.54	0.124	-.0032048	.0264502
st_CO	-.0040307	.0169077	-0.24	0.812	-.0371692	.0291077
st_CT	.008303	.0127274	0.65	0.514	-.0166422	.0332482
st_DC	-.0268384	.0299736	-0.90	0.371	-.0855856	.0319087
st_DE	-.0006183	.022968	-0.03	0.979	-.0456348	.0443982
st_FL	-.0052687	.0096121	-0.55	0.584	-.0241079	.0135706
st_GA	.003682	.0122079	0.30	0.763	-.0202451	.0276091
st_HI	.0108613	.0086417	1.26	0.209	-.0060762	.0277988
st_IA	-.0184235	.0168184	-1.10	0.273	-.051387	.01454
st_ID	.008512	.0084104	1.01	0.312	-.0079721	.0249961
st_IL	-.0130424	.0112623	-1.16	0.247	-.0351161	.0090312
st_IN	-.0090613	.0127867	-0.71	0.479	-.0341228	.0160003
st_KS	.0033665	.0158853	0.21	0.832	-.027768	.034501
st_KY	-.0020772	.0118157	-0.18	0.860	-.0252355	.0210812
st_LA	.009601	.0136469	0.70	0.482	-.0171465	.0363485
st_MA	.0008874	.0104688	0.08	0.932	-.019631	.0214059
st_MD	.0116111	.0077884	1.49	0.136	-.0036539	.026876
st_ME	.0077247	.0080656	0.96	0.338	-.0080835	.0235329
st_MI	-.0013903	.0097492	-0.14	0.887	-.0204983	.0177177
st_MN	.0087538	.0077781	1.13	0.260	-.0064909	.0239985
st_MO	-.0040584	.0106445	-0.38	0.703	-.0249213	.0168045
st_MS	.0028893	.0114441	0.25	0.801	-.0195407	.0253193
st_MT	.0627341	.0280037	2.24	0.025	.0078479	.1176204
st_NC	.0052509	.0076429	0.69	0.492	-.0097288	.0202307
st_ND	-.042513	.0453284	-0.94	0.348	-.1313551	.046329
st_NE	.004642	.0082745	0.56	0.575	-.0115758	.0208598
st_NH	-.0055455	.0174271	-0.32	0.750	-.0397021	.0286111
st_NJ	-.0035458	.0103984	-0.34	0.733	-.0239263	.0168346
st_NM	-.0238531	.0189652	-1.26	0.208	-.0610241	.013318
st_NV	-.0130961	.0156606	-0.84	0.403	-.0437903	.0175981
st_NY	-.007132	.0091628	-0.78	0.436	-.0250908	.0108267
st_OH	.0038277	.0076467	0.50	0.617	-.0111595	.0188149
st_OK	-.0067624	.0188019	-0.36	0.719	-.0436135	.0300886
st_OR	-.0032271	.0147502	-0.22	0.827	-.0321369	.0256827
st_PA	.0091205	.0076235	1.20	0.232	-.0058212	.0240622
st_PR	.0027552	.0077003	0.36	0.720	-.012337	.0178475

st_RI	.0114886	.0083198	1.38	0.167	-.004818	.0277952
st_SC	.0053293	.011303	0.47	0.637	-.0168241	.0274828
st_SD	-.0232391	.0428379	-0.54	0.587	-.1071999	.0607218
st_TN	-.0057489	.0113698	-0.51	0.613	-.0280334	.0165355
st_TX	.0100296	.0076114	1.32	0.188	-.0048884	.0249477
st_UT	.0055891	.0083062	0.67	0.501	-.0106908	.0218689
st_VA	.0019247	.0116998	0.16	0.869	-.0210064	.0248559
st_VT	.0437935	.0280048	1.56	0.118	-.0110949	.098682
st_WA	.0076225	.0077459	0.98	0.325	-.0075592	.0228042
st_WI	-.0142849	.0124298	-1.15	0.250	-.0386468	.010077
st_WV	.0086137	.0079329	1.09	0.278	-.0069346	.0241619
st_WY	-.0013854	.0104474	-0.13	0.895	-.0218619	.0190912
pia1	-8.30e-06	4.48e-06	-1.85	0.064	-.0000171	4.86e-07
pia_miss	-.0183781	.0045314	-4.06	0.000	-.0272594	-.0094968
ime1	4.33e-06	1.47e-06	2.94	0.003	1.44e-06	7.21e-06
ime_miss	.0044886	.0022929	1.96	0.050	-5.39e-06	.0089827
_cons	-.0009129	.0102085	-0.09	0.929	-.0209213	.0190954

ldwroll24						
mototkt	-.0000778	.0001871	-0.42	0.678	-.0004444	.0002888
male	.0040851	.0010905	3.75	0.000	.0019477	.0062224
gendermiss_flag	-.0232652	.0788229	-0.30	0.768	-.1777552	.1312249
tsd_age	-.0008872	.0001339	-6.63	0.000	-.0011496	-.0006248
doage2	-.0001368	.0001191	-1.15	0.251	-.0003703	.0000967
doage2miss_flag	-.1441525	.1762792	-0.82	0.413	-.4896534	.2013483
race_a	.0013112	.0034908	0.38	0.707	-.0055306	.008153
race_b	.0098826	.0015318	6.45	0.000	.0068803	.0128849
race_h	.0059226	.0019205	3.08	0.002	.0021585	.0096867
race_i	-.0012116	.0070769	-0.17	0.864	-.0150819	.0126588
race_o	.0207229	.0052256	3.97	0.000	.010481	.0309648
race_mis	.00752	.0040964	1.84	0.066	-.0005088	.0155487
tsd_edu_hs	.005861	.0016276	3.60	0.000	.0026709	.0090511
tsd_edu_mrhs	.0159258	.0018668	8.53	0.000	.0122669	.0195848
tsd_edu_mis	.0101717	.0018138	5.61	0.000	.0066167	.0137267
tsd_mie_exp	.0051724	.003386	1.53	0.127	-.001464	.0118089
tsd_mie_mis	-.0037225	.0018751	-1.99	0.047	-.0073977	-.0000473
tsd_mie_psbl	-.0007962	.0014681	-0.54	0.588	-.0036736	.0020811
tsd_medicare	-.0103837	.0019123	-5.43	0.000	-.0141317	-.0066357
tsd_medicare_miss	-.0236259	.0066431	-3.56	0.000	-.0366461	-.0106056
tsd_depend_1	-.0041944	.0015475	-2.71	0.007	-.0072274	-.0011614
tsd_depend_2	-.0012607	.0013682	-0.92	0.357	-.0039423	.0014209
tsd_depend_miss	-.0021388	.0048785	-0.44	0.661	-.0117004	.0074229
tsd_vrpr	.0132179	.0030884	4.28	0.000	.0071649	.019271
tsd_vrpr_miss	.005466	.002933	1.86	0.062	-.0002826	.0112145
pdgroup2	-.0091545	.001749	-5.23	0.000	-.0125824	-.0057266
pdgroup3	.0053126	.00204	2.60	0.009	.0013142	.009311
pdgroup4	.0013876	.0015319	0.91	0.365	-.0016148	.00439
pdgroup5	-.0019716	.0159552	-0.12	0.902	-.0332432	.0292999
cohort2000	-.0017593	.0026174	-0.67	0.501	-.0068894	.0033707
cohort2001	.0000463	.0040206	0.01	0.991	-.0078339	.0079266
cohort2002	-.0008043	.0056959	-0.14	0.888	-.0119681	.0103595
cohort2003	.0012551	.0075	0.17	0.867	-.0134448	.0159549
cohort2004	.0334398	.0125317	2.67	0.008	.0088782	.0580014
award_b4_tsd	-.0137681	.0065955	-2.09	0.037	-.0266951	-.0008412
diaward_tsd	-.0005762	.0001644	-3.50	0.000	-.0008985	-.0002539
epeb4twp_flag	-.1010053	.0598668	-1.69	0.092	-.2183421	.0163315
ldwb4twp_flag	.1063322	.0434729	2.45	0.014	.0211268	.1915375
ldwb4epe_flag	.2749664	.0151353	18.17	0.000	.2453017	.3046311
twpb4tsd	.2102557	.0020553	102.30	0.000	.2062274	.214284
epeb4tsd	.0565926	.0029107	19.44	0.000	.0508877	.0622975
ldwb4tsd	-.1308741	.0038116	-34.34	0.000	-.1383447	-.1234035
st_AL	.004191	.0107642	0.39	0.697	-.0169065	.0252884
st_AR	.0026807	.0217558	0.12	0.902	-.0399598	.0453213

st_AZ	.0117637	.0171334	0.69	0.492	-.021817	.0453445
st_CA	.0200033	.0105466	1.90	0.058	-.0006677	.0406744
st_CO	-.0091558	.023571	-0.39	0.698	-.0553542	.0370425
st_CT	.0424164	.0177432	2.39	0.017	.0076403	.0771925
st_DC	-.0471899	.0417862	-1.13	0.259	-.1290894	.0347095
st_DE	.0138426	.0320198	0.43	0.666	-.0489149	.0766002
st_FL	-.0130671	.0134002	-0.98	0.329	-.039331	.0131968
st_GA	.0015119	.0170191	0.09	0.929	-.0318449	.0348687
st_HI	.013578	.0120475	1.13	0.260	-.0100346	.0371905
st_IA	-.035979	.0234466	-1.53	0.125	-.0819335	.0099754
st_ID	.012268	.011725	1.05	0.295	-.0107125	.0352485
st_IL	-.0097047	.0157008	-0.62	0.537	-.0404776	.0210682
st_IN	.0026588	.017826	0.15	0.881	-.0322796	.0375972
st_KS	.0018988	.0221457	0.09	0.932	-.0415059	.0453035
st_KY	-.000713	.0164723	-0.04	0.965	-.0329981	.0315721
st_LA	-.0037125	.0190252	-0.20	0.845	-.0410013	.0335762
st_MA	-.0115237	.0145946	-0.79	0.430	-.0401286	.0170811
st_MD	.0189173	.0108578	1.74	0.081	-.0023636	.0401982
st_ME	.0141199	.0112442	1.26	0.209	-.0079184	.0361582
st_MI	.000501	.0135913	0.04	0.971	-.0261375	.0271394
st_MN	.0136079	.0108434	1.25	0.209	-.0076447	.0348606
st_MO	.0005564	.0148396	0.04	0.970	-.0285286	.0296414
st_MS	-.0018547	.0159542	-0.12	0.907	-.0331244	.029415
st_MT	.0398657	.03904	1.02	0.307	-.0366514	.1163827
st_NC	.0030938	.0106549	0.29	0.772	-.0177895	.023977
st_ND	-.0696138	.0631924	-1.10	0.271	-.1934687	.054241
st_NE	.00881	.0115355	0.76	0.445	-.0137992	.0314193
st_NH	.0058531	.0242952	0.24	0.810	-.0417646	.0534708
st_NJ	-.0054699	.0144964	-0.38	0.706	-.0338823	.0229426
st_NM	-.0259927	.0264394	-0.98	0.326	-.0778129	.0258275
st_NV	-.0162552	.0218324	-0.74	0.457	-.059046	.0265356
st_NY	-.0046952	.0127739	-0.37	0.713	-.0297315	.0203412
st_OH	.0079473	.0106602	0.75	0.456	-.0129463	.0288409
st_OK	-.0221143	.0262118	-0.84	0.399	-.0734884	.0292598
st_OR	-.0099236	.0205632	-0.48	0.629	-.0502268	.0303796
st_PA	.0132907	.0106279	1.25	0.211	-.0075396	.034121
st_PR	-.0029476	.010735	-0.27	0.784	-.0239877	.0180926
st_RI	.0188165	.0115987	1.62	0.105	-.0039165	.0415495
st_SC	-.0025728	.0157575	-0.16	0.870	-.033457	.0283113
st_SD	-.0563332	.0597204	-0.94	0.346	-.1733831	.0607167
st_TN	-.0093984	.0158507	-0.59	0.553	-.0404651	.0216684
st_TX	.0139576	.0106111	1.32	0.188	-.0068396	.0347549
st_UT	.0098812	.0115797	0.85	0.393	-.0128145	.032577
st_VA	.0086346	.0163107	0.53	0.597	-.0233338	.040603
st_VT	.0323283	.0390416	0.83	0.408	-.0441918	.1088484
st_WA	.0186669	.0107986	1.73	0.084	-.0024978	.0398317
st_WI	-.0076324	.0173283	-0.44	0.660	-.0415954	.0263305
st_WV	.0094783	.0110593	0.86	0.391	-.0121975	.0311541
st_WY	-.0058001	.0145647	-0.40	0.690	-.0343465	.0227463
pial	-.0000109	6.25e-06	-1.74	0.082	-.0000231	1.40e-06
pia_miss	-.0207176	.0063172	-3.28	0.001	-.033099	-.0083361
ime1	6.62e-06	2.05e-06	3.23	0.001	2.60e-06	.0000106
ime_miss	-.0017762	.0031965	-0.56	0.578	-.0080413	.004489
_cons	.0525026	.0142317	3.69	0.000	.024609	.0803963

ldwroll36

mototkt	-.0001426	.0002231	-0.64	0.523	-.0005799	.0002947
male	.0055445	.0013006	4.26	0.000	.0029954	.0080937
gendermiss_flag	-.0366698	.0940107	-0.39	0.696	-.2209274	.1475879
tsd_age	-.0014474	.0001597	-9.06	0.000	-.0017604	-.0011345
doage2	-.0003225	.0001421	-2.27	0.023	-.000601	-.0000441
doage2miss_flag	-.1444553	.2102452	-0.69	0.492	-.5565282	.2676177
race_a	.0025926	.0041634	0.62	0.533	-.0055675	.0107527

race_b	.0150471	.001827	8.24	0.000	.0114663	.0186278
race_h	.0064168	.0022905	2.80	0.005	.0019274	.0109061
race_i	.0045673	.0084404	0.54	0.588	-.0119756	.0211103
race_o	.0166255	.0062324	2.67	0.008	.0044101	.0288408
race_mis	.0052338	.0048857	1.07	0.284	-.0043419	.0148095
tsd_edu_hs	.0084309	.0019412	4.34	0.000	.0046262	.0122356
tsd_edu_mrhs	.0218168	.0022265	9.80	0.000	.0174528	.0261807
tsd_edu_mis	.013441	.0021633	6.21	0.000	.0092011	.017681
tsd_mie_exp	.0039969	.0040384	0.99	0.322	-.0039183	.0119121
tsd_mie_mis	-.0033729	.0022364	-1.51	0.132	-.0077562	.0010105
tsd_mie_psbl	-.0020744	.0017509	-1.18	0.236	-.0055061	.0013574
tsd_medicare	-.0135752	.0022808	-5.95	0.000	-.0180454	-.009105
tsd_medicare_miss	-.0371396	.0079231	-4.69	0.000	-.0526686	-.0216106
tsd_depend_1	-.0027359	.0018456	-1.48	0.138	-.0063533	.0008815
tsd_depend_2	.0010083	.0016318	0.62	0.537	-.00219	.0042066
tsd_depend_miss	-.0093152	.0058185	-1.60	0.109	-.0207192	.0020888
tsd_vrpr	.0002099	.0036834	0.06	0.955	-.0070095	.0074292
tsd_vrpr_miss	-.0180459	.0034981	-5.16	0.000	-.0249021	-.0111897
pdcgrou2	-.0145725	.0020859	-6.99	0.000	-.0186609	-.0104842
pdcgrou3	.0052644	.0024331	2.16	0.030	.0004956	.0100332
pdcgrou4	-.0019757	.0018271	-1.08	0.280	-.0055566	.0016053
pdcgrou5	-.013452	.0190295	-0.71	0.480	-.0507491	.0238451
cohort2000	-.0026468	.0031218	-0.85	0.397	-.0087653	.0034717
cohort2001	-.0025288	.0047953	-0.53	0.598	-.0119274	.0068699
cohort2002	-.0056812	.0067934	-0.84	0.403	-.0189961	.0076337
cohort2003	-.0026752	.0089452	-0.30	0.765	-.0202074	.014857
cohort2004	.0465383	.0149463	3.11	0.002	.0172441	.0758325
award_b4_tsd	-.0024751	.0078663	-0.31	0.753	-.0178928	.0129427
diaward_tsd	-.0007546	.0001961	-3.85	0.000	-.001139	-.0003702
epeb4twp_flag	-.2246818	.0714021	-3.15	0.002	-.3646274	-.0847362
ldwb4twp_flag	.3529307	.0518494	6.81	0.000	.2513078	.4545537
ldwb4epe_flag	.3930112	.0180516	21.77	0.000	.3576306	.4283918
twpb4tsd	.2453296	.0024513	100.08	0.000	.2405251	.2501341
epeb4tsd	.0458566	.0034716	13.21	0.000	.0390524	.0526607
ldwb4tsd	-.1627866	.004546	-35.81	0.000	-.1716967	-.1538766
st_AL	.0071053	.0128383	0.55	0.580	-.0180573	.0322679
st_AR	-.0097252	.0259477	-0.37	0.708	-.0605818	.0411315
st_AZ	.004816	.0204347	0.24	0.814	-.0352352	.0448672
st_CA	.0316615	.0125788	2.52	0.012	.0070075	.0563155
st_CO	.0175247	.0281128	0.62	0.533	-.0375753	.0726247
st_CT	.0420628	.0211621	1.99	0.047	.0005859	.0835397
st_DC	-.0081433	.0498377	-0.16	0.870	-.1058233	.0895368
st_DE	-.0004867	.0381894	-0.01	0.990	-.0753365	.0743632
st_FL	-.013763	.0159822	-0.86	0.389	-.0450874	.0175615
st_GA	.0009454	.0202984	0.05	0.963	-.0388388	.0407295
st_HI	.0252068	.0143688	1.75	0.079	-.0029555	.0533691
st_IA	-.0362787	.0279643	-1.30	0.195	-.0910878	.0185305
st_ID	.0111643	.0139842	0.80	0.425	-.0162441	.0385728
st_IL	.0016809	.018726	0.09	0.928	-.0350214	.0383833
st_IN	.0020595	.0212608	0.10	0.923	-.0396109	.0437299
st_KS	.0145477	.0264128	0.55	0.582	-.0372203	.0663157
st_KY	.022558	.0196462	1.15	0.251	-.0159479	.0610639
st_LA	.0092879	.0226911	0.41	0.682	-.0351857	.0537616
st_MA	.0012566	.0174067	0.07	0.942	-.03286	.0353731
st_MD	.0240629	.0129499	1.86	0.063	-.0013185	.0494443
st_ME	.0242234	.0134108	1.81	0.071	-.0020613	.0505081
st_MI	.0048382	.0162101	0.30	0.765	-.026933	.0366095
st_MN	.0221836	.0129327	1.72	0.086	-.0031641	.0475313
st_MO	-.0027103	.0176989	-0.15	0.878	-.0373995	.0319789
st_MS	.008125	.0190283	0.43	0.669	-.0291699	.0454198
st_MT	.0206552	.0465624	0.44	0.657	-.0706053	.1119158
st_NC	.0045492	.012708	0.36	0.720	-.0203579	.0294563
st_ND	-.0879068	.0753685	-1.17	0.243	-.2356264	.0598127

st_NE	.011917	.0137582	0.87	0.386	-.0150487	.0388826
st_NH	-.0097981	.0289765	-0.34	0.735	-.0665909	.0469948
st_NJ	.0104322	.0172896	0.60	0.546	-.0234548	.0443192
st_NM	.0148353	.0315338	0.47	0.638	-.0469697	.0766404
st_NV	-.0045816	.0260392	-0.18	0.860	-.0556175	.0464542
st_NY	.0055824	.0152352	0.37	0.714	-.024278	.0354428
st_OH	.0103824	.0127142	0.82	0.414	-.0145371	.0353019
st_OK	-.0166265	.0312623	-0.53	0.595	-.0778995	.0446465
st_OR	-.0239213	.0245254	-0.98	0.329	-.0719902	.0241477
st_PA	.0180994	.0126757	1.43	0.153	-.0067445	.0429433
st_PR	-.0053712	.0128034	-0.42	0.675	-.0304655	.019723
st_RI	.0259881	.0138336	1.88	0.060	-.0011252	.0531013
st_SC	-.0097307	.0187937	-0.52	0.605	-.0465657	.0271044
st_SD	-.0823904	.0712275	-1.16	0.247	-.2219938	.0572131
st_TN	-.0120381	.0189048	-0.64	0.524	-.0490909	.0250147
st_TX	.0193774	.0126556	1.53	0.126	-.0054272	.0441819
st_UT	.012054	.0138109	0.87	0.383	-.0150149	.0391228
st_VA	.0228438	.0194535	1.17	0.240	-.0152844	.0609719
st_VT	.0665463	.0465642	1.43	0.153	-.0247179	.1578105
st_WA	.023306	.0128793	1.81	0.070	-.0019369	.0485489
st_WI	.0078619	.0206672	0.38	0.704	-.0326451	.0483688
st_WV	.0109884	.0131902	0.83	0.405	-.0148639	.0368408
st_WY	-.0036663	.0173711	-0.21	0.833	-.0377131	.0303805
pia1	-4.72e-06	7.46e-06	-0.63	0.526	-.0000193	9.89e-06
pia_miss	-.0173945	.0075344	-2.31	0.021	-.0321616	-.0026274
ime1	4.92e-06	2.45e-06	2.01	0.044	1.24e-07	9.72e-06
ime_miss	-.0125347	.0038125	-3.29	0.001	-.020007	-.0050624
_cons	.1153244	.0169739	6.79	0.000	.0820561	.1485927

ldwroll48						
mototkt	-.0001559	.0002513	-0.62	0.535	-.0006483	.0003366
male	.0077985	.0014648	5.32	0.000	.0049276	.0106693
gendermiss_flag	-.0497901	.1058755	-0.47	0.638	-.2573023	.1577221
tsd_age	-.0022154	.0001798	-12.32	0.000	-.0025679	-.0018629
doage2	-.0003179	.00016	-1.99	0.047	-.0006315	-4.29e-06
doage2miss_flag	-.1352041	.2367796	-0.57	0.568	-.5992835	.3288753
race_a	-.0020317	.0046888	-0.43	0.665	-.0112216	.0071583
race_b	.021156	.0020575	10.28	0.000	.0171233	.0251887
race_h	.0067287	.0025796	2.61	0.009	.0016727	.0117846
race_i	.0079907	.0095057	0.84	0.401	-.0106402	.0266215
race_o	.0217053	.007019	3.09	0.002	.0079483	.0354624
race_mis	.0017735	.0055023	0.32	0.747	-.0090108	.0125577
tsd_edu_hs	.0089115	.0021862	4.08	0.000	.0046265	.0131964
tsd_edu_mrhs	.028557	.0025076	11.39	0.000	.0236423	.0334717
tsd_edu_mis	.0159097	.0024363	6.53	0.000	.0111346	.0206847
tsd_mie_exp	.0066566	.0045481	1.46	0.143	-.0022575	.0155707
tsd_mie_mis	-.0043424	.0025187	-1.72	0.085	-.0092789	.0005942
tsd_mie_psbl	-.0027512	.0019719	-1.40	0.163	-.0066161	.0011136
tsd_medicare	-.0156496	.0025686	-6.09	0.000	-.0206839	-.0106152
tsd_medicare_miss	-.0493953	.0089231	-5.54	0.000	-.0668842	-.0319064
tsd_depend_1	-.0022466	.0020786	-1.08	0.280	-.0063206	.0018273
tsd_depend_2	.0040792	.0018377	2.22	0.026	.0004773	.0076811
tsd_depend_miss	-.0134358	.0065528	-2.05	0.040	-.0262791	-.0005925
tsd_vrpr	-.0179202	.0041483	-4.32	0.000	-.0260508	-.0097897
tsd_vrpr_miss	-.0437682	.0039396	-11.11	0.000	-.0514897	-.0360467
pdcgrou2	-.0217447	.0023492	-9.26	0.000	-.026349	-.0171403
pdcgrou3	.0039374	.0027402	1.44	0.151	-.0014332	.0093081
pdcgrou4	-.0058029	.0020576	-2.82	0.005	-.0098358	-.00177
pdcgrou5	-.0259941	.0214311	-1.21	0.225	-.0679984	.0160101
cohort2000	-.0047028	.0035157	-1.34	0.181	-.0115936	.0021879
cohort2001	-.0070402	.0054005	-1.30	0.192	-.017625	.0035446
cohort2002	-.0126142	.0076508	-1.65	0.099	-.0276095	.0023811
cohort2003	-.00861	.0100741	-0.85	0.393	-.0283549	.0111349

cohort2004	.0517469	.0168326	3.07	0.002	.0187555	.0847383
award_b4_tsd	.0011245	.0088591	0.13	0.899	-.0162391	.018488
diaward_tsd	-.0009557	.0002209	-4.33	0.000	-.0013886	-.0005227
epeb4twp_flag	-.2310889	.0804136	-2.87	0.004	-.3886966	-.0734812
ldwb4twp_flag	.3509487	.0583932	6.01	0.000	.2365002	.4653971
ldwb4epe_flag	.4729655	.0203299	23.26	0.000	.4331196	.5128114
twpb4tsd	.2551959	.0027607	92.44	0.000	.249785	.2606067
epeb4tsd	.0393816	.0039097	10.07	0.000	.0317187	.0470444
ldwb4tsd	-.1830231	.0051198	-35.75	0.000	-.1930576	-.1729885
st_AL	-.011789	.0144586	-0.82	0.415	-.0401273	.0165493
st_AR	-.0172653	.0292225	-0.59	0.555	-.0745404	.0400098
st_AZ	.0088975	.0230137	0.39	0.699	-.0362085	.0540034
st_CA	.0209183	.0141663	1.48	0.140	-.0068472	.0486838
st_CO	-.0004483	.0316608	-0.01	0.989	-.0625023	.0616057
st_CT	.0440326	.0238329	1.85	0.065	-.002679	.0907441
st_DC	.0128953	.0561276	0.23	0.818	-.0971127	.1229033
st_DE	-.0339098	.0430092	-0.79	0.430	-.1182062	.0503867
st_FL	-.0214664	.0179992	-1.19	0.233	-.0567442	.0138115
st_GA	-.012369	.0228602	-0.54	0.588	-.0571741	.0324362
st_HI	.0142743	.0161822	0.88	0.378	-.0174423	.0459909
st_IA	-.0390034	.0314936	-1.24	0.216	-.1007298	.022723
st_ID	-.0006596	.015749	-0.04	0.967	-.0315271	.030208
st_IL	.0002444	.0210894	0.01	0.991	-.0410901	.0415788
st_IN	-.0294025	.023944	-1.23	0.219	-.0763319	.017527
st_KS	-.0035341	.0297462	-0.12	0.905	-.0618356	.0547674
st_KY	.0014792	.0221257	0.07	0.947	-.0418864	.0448448
st_LA	-.0128412	.0255548	-0.50	0.615	-.0629277	.0372454
st_MA	.0024758	.0196036	0.13	0.899	-.0359464	.0408981
st_MD	.0097296	.0145843	0.67	0.505	-.0188551	.0383143
st_ME	.0035928	.0151033	0.24	0.812	-.0260092	.0331948
st_MI	-.0095227	.0182559	-0.52	0.602	-.0453037	.0262583
st_MN	.0071098	.0145649	0.49	0.625	-.021437	.0356565
st_MO	-.0060769	.0199326	-0.30	0.760	-.0451442	.0329903
st_MS	-.0056658	.0214298	-0.26	0.791	-.0476675	.0363359
st_MT	-.0135435	.0524388	-0.26	0.796	-.1163218	.0892347
st_NC	-.0166904	.0143118	-1.17	0.244	-.044741	.0113602
st_ND	-.1210587	.0848805	-1.43	0.154	-.2874214	.0453041
st_NE	-.00262	.0154946	-0.17	0.866	-.0329889	.0277489
st_NH	-.0118726	.0326335	-0.36	0.716	-.0758331	.0520879
st_NJ	-.007047	.0194717	-0.36	0.717	-.0452108	.0311168
st_NM	.0015555	.0355136	0.04	0.965	-.0680498	.0711608
st_NV	-.0228676	.0293255	-0.78	0.436	-.0803446	.0346093
st_NY	-.0001578	.017158	-0.01	0.993	-.0337868	.0334713
st_OH	-.0067575	.0143189	-0.47	0.637	-.034822	.021307
st_OK	-.0288174	.0352078	-0.82	0.413	-.0978235	.0401887
st_OR	-.0152776	.0276207	-0.55	0.580	-.0694132	.0388579
st_PA	.003968	.0142755	0.28	0.781	-.0240114	.0319474
st_PR	-.0292179	.0144193	-2.03	0.043	-.0574792	-.0009566
st_RI	.0113816	.0155794	0.73	0.465	-.0191536	.0419167
st_SC	-.0280391	.0211656	-1.32	0.185	-.0695229	.0134448
st_SD	-.122856	.080217	-1.53	0.126	-.2800783	.0343663
st_TN	-.0374593	.0212908	-1.76	0.079	-.0791884	.0042699
st_TX	.0049758	.0142528	0.35	0.727	-.0229593	.0329109
st_UT	.0003853	.0155539	0.02	0.980	-.0300998	.0308704
st_VA	.0034761	.0219087	0.16	0.874	-.0394641	.0464163
st_VT	.0826255	.0524409	1.58	0.115	-.0201569	.1854078
st_WA	.0103026	.0145047	0.71	0.478	-.0181261	.0387313
st_WI	-.0166832	.0232756	-0.72	0.474	-.0623025	.028936
st_WV	-.0065404	.0148549	-0.44	0.660	-.0356555	.0225746
st_WY	-.0017352	.0195635	-0.09	0.929	-.0400789	.0366085
pial	-4.38e-06	8.40e-06	-0.52	0.602	-.0000208	.0000121
pia_miss	-.0196127	.0084853	-2.31	0.021	-.0362435	-.0029818
ime1	5.14e-06	2.76e-06	1.86	0.062	-2.65e-07	.0000105

```

ime_miss | -.0168401 .0042936 -3.92 0.000 -.0252555 -.0084248
_cons | .2060887 .0191161 10.78 0.000 .1686218 .2435557

```

```

-----
Endogenous variables: ldwroll12 ldwroll24 ldwroll36 ldwroll48 mototkt
Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
epb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epb4tsd ldwb4tsd
st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
st_WI st_WV st_WY pial pia_miss ime1 ime_miss imm21 imm23 imm24 imm25
imm26 imm27 imm28 imm29 imm30
-----

```

(1) 12*[ldwroll12]mototkt + 12*[ldwroll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	.0002662	.0035279	0.08	0.940	-.0066482	.0071807

(1) 12*[ldwroll12]mototkt + 12*[ldwroll24]mototkt + 12*[ldwroll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0014447	.0058145	-0.25	0.804	-.012841	.0099516

(1) 12*[ldwroll12]mototkt + 12*[ldwroll24]mototkt + 12*[ldwroll36]mototkt + 12*[ldwroll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0033152	.0084008	-0.39	0.693	-.0197805	.0131501

phase 3 dependent variable: eperoll, unemployment: nounemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
eperoll12	1.1e+05	97	.1476857	0.1244	16287.99	0.0000
eperoll24	1.1e+05	97	.2037631	0.1288	16953.24	0.0000
eperoll36	1.1e+05	97	.2376695	0.1280	16829.27	0.0000
eperoll48	1.1e+05	97	.2574196	0.1235	16163.30	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
eperoll12						
mototkt	.0001685	.0001568	1.07	0.283	-.0001388	.0004758
male	.0017514	.000914	1.92	0.055	-.0000399	.0035428

gendermiss_flag	-.0115562	.0660636	-0.17	0.861	-.1410385	.1179261
tsd_age	-.0002043	.0001122	-1.82	0.069	-.0004242	.0000156
doage2	-.0003463	.0000998	-3.47	0.001	-.000542	-.0001506
doage2miss_flag	-.0882496	.1477444	-0.60	0.550	-.3778232	.201324
race_a	.0001889	.0029257	0.06	0.949	-.0055454	.0059232
race_b	.0033011	.0012838	2.57	0.010	.0007848	.0058174
race_h	.0012192	.0016096	0.76	0.449	-.0019356	.004374
race_i	-.0069025	.0059313	-1.16	0.245	-.0185276	.0047226
race_o	.0105256	.0043797	2.40	0.016	.0019415	.0191096
race_mis	.0000612	.0034333	0.02	0.986	-.0066679	.0067903
tsd_edu_hs	.0029072	.0013641	2.13	0.033	.0002335	.0055809
tsd_edu_mrhs	.0074377	.0015646	4.75	0.000	.004371	.0105043
tsd_edu_mis	.0055293	.0015202	3.64	0.000	.0025498	.0085088
tsd_mie_exp	.0026797	.0028379	0.94	0.345	-.0028825	.0082419
tsd_mie_mis	-.0054983	.0015716	-3.50	0.000	-.0085786	-.002418
tsd_mie_psbl	-.0049247	.0012304	-4.00	0.000	-.0073363	-.0025131
tsd_medicare	-.0100681	.0016027	-6.28	0.000	-.0132094	-.0069268
tsd_medicare_mis	-.0174399	.0055678	-3.13	0.002	-.0283525	-.0065273
tsd_depend_1	-.0026908	.001297	-2.07	0.038	-.0052328	-.0001488
tsd_depend_2	-.0014059	.0011467	-1.23	0.220	-.0036534	.0008416
tsd_depend_miss	-.0057671	.0040888	-1.41	0.158	-.013781	.0022467
tsd_vrpr	.011163	.0025884	4.31	0.000	.0060898	.0162363
tsd_vrpr_miss	.0006442	.0024582	0.26	0.793	-.0041738	.0054622
pdcgrou2	.0007059	.0014658	0.48	0.630	-.0021671	.0035789
pdcgrou3	.0044814	.0017098	2.62	0.009	.0011303	.0078325
pdcgrou4	.0030841	.0012839	2.40	0.016	.0005676	.0056005
pdcgrou5	-.0116548	.0133725	-0.87	0.383	-.0378643	.0145548
cohort2000	-.0036131	.0021937	-1.65	0.100	-.0079127	.0006866
cohort2001	-.0029921	.0033698	-0.89	0.375	-.0095967	.0036126
cohort2002	-.0039944	.0047739	-0.84	0.403	-.013351	.0053623
cohort2003	.0007831	.006286	0.12	0.901	-.0115372	.0131034
cohort2004	.0263347	.0105031	2.51	0.012	.0057489	.0469204
award_b4_tsd	-.0094784	.0055279	-1.71	0.086	-.0203128	.001356
diaward_tsd	-.0004356	.0001378	-3.16	0.002	-.0007058	-.0001655
epeb4twp_flag	.0579445	.050176	1.15	0.248	-.0403987	.1562876
ldwb4twp_flag	-.0049708	.0364358	-0.14	0.891	-.0763837	.0664421
ldwb4epe_flag	.0965523	.0126853	7.61	0.000	.0716895	.1214151
twpb4tsd	.2067478	.0017226	120.02	0.000	.2033716	.2101241
epeb4tsd	-.0876677	.0024396	-35.94	0.000	-.0924491	-.0828863
ldwb4tsd	-.0465532	.0031946	-14.57	0.000	-.0528145	-.0402919
st_AL	.013517	.0090218	1.50	0.134	-.0041654	.0311994
st_AR	.0084673	.0182341	0.46	0.642	-.0272709	.0442055
st_AZ	.0133768	.0143599	0.93	0.352	-.0147682	.0415217
st_CA	.01914	.0088394	2.17	0.030	.0018151	.036465
st_CO	.0104965	.0197555	0.53	0.595	-.0282236	.0492166
st_CT	.0408612	.0148711	2.75	0.006	.0117144	.0700081
st_DC	.0420871	.0350222	1.20	0.229	-.0265551	.1107292
st_DE	-.0017489	.0268366	-0.07	0.948	-.0543477	.0508499
st_FL	.0081339	.011231	0.72	0.469	-.0138785	.0301464
st_GA	.0053496	.0142642	0.38	0.708	-.0226076	.0333069
st_HI	.0117815	.0100973	1.17	0.243	-.0080089	.0315718
st_IA	-.0183749	.0196512	-0.94	0.350	-.0568906	.0201408
st_ID	.0159663	.009827	1.62	0.104	-.0032943	.0352269
st_IL	.0035296	.0131592	0.27	0.789	-.022262	.0293212
st_IN	-.0061177	.0149405	-0.41	0.682	-.0354005	.023165
st_KS	.0086882	.0185609	0.47	0.640	-.0276904	.0450669
st_KY	-.0009077	.0138059	-0.07	0.948	-.0279667	.0261513
st_LA	.0054261	.0159456	0.34	0.734	-.0258266	.0366788
st_MA	-.0052712	.0122321	-0.43	0.667	-.0292457	.0187034
st_MD	.0244252	.0091002	2.68	0.007	.0065891	.0422613
st_ME	.0221045	.0094241	2.35	0.019	.0036336	.0405754
st_MI	.0065571	.0113912	0.58	0.565	-.0157693	.0288835
st_MN	.0229623	.0090881	2.53	0.012	.0051498	.0407747

st_MO	.0005446	.0124374	0.04	0.965	-.0238324	.0249215
st_MS	-.0003561	.0133717	-0.03	0.979	-.0265641	.0258519
st_MT	.0128901	.0327205	0.39	0.694	-.0512408	.0770211
st_NC	.0116714	.0089302	1.31	0.191	-.0058315	.0291742
st_ND	-.0392992	.0529633	-0.74	0.458	-.1431053	.0645069
st_NE	.0130639	.0096682	1.35	0.177	-.0058855	.0320133
st_NH	.0262064	.0203625	1.29	0.198	-.0137033	.0661161
st_NJ	.0219459	.0121498	1.81	0.071	-.0018673	.0457592
st_NM	-.0042545	.0221596	-0.19	0.848	-.0476865	.0391774
st_NV	.0169119	.0182984	0.92	0.355	-.0189522	.0527761
st_NY	-.0005698	.0107061	-0.05	0.958	-.0215534	.0204139
st_OH	.0163207	.0089346	1.83	0.068	-.0011908	.0338322
st_OK	.0125362	.0219688	0.57	0.568	-.0305218	.0555942
st_OR	-.0178979	.0172346	-1.04	0.299	-.0516771	.0158813
st_PA	.0182798	.0089075	2.05	0.040	.0008214	.0357382
st_PR	.0073474	.0089973	0.82	0.414	-.010287	.0249817
st_RI	.0279731	.0097212	2.88	0.004	.00892	.0470263
st_SC	.0035304	.0132068	0.27	0.789	-.0223545	.0294153
st_SD	-.019276	.0500533	-0.39	0.700	-.1173787	.0788268
st_TN	.0005909	.0132849	0.04	0.965	-.025447	.0266288
st_TX	.0162708	.0088934	1.83	0.067	-.0011599	.0337016
st_UT	.0184124	.0097052	1.90	0.058	-.0006096	.0374343
st_VA	.0025581	.0136704	0.19	0.852	-.0242355	.0293517
st_VT	.0010691	.0327218	0.03	0.974	-.0630645	.0652026
st_WA	.0195557	.0090506	2.16	0.031	.0018169	.0372945
st_WI	.0091531	.0145234	0.63	0.529	-.0193122	.0376183
st_WV	.010128	.0092691	1.09	0.275	-.008039	.0282951
st_WY	.0258421	.0122071	2.12	0.034	.0019166	.0497676
pial	-.0000133	5.24e-06	-2.55	0.011	-.0000236	-3.07e-06
pia_miss	-.0162041	.0052946	-3.06	0.002	-.0265813	-.0058269
ime1	4.46e-06	1.72e-06	2.59	0.010	1.09e-06	7.83e-06
ime_miss	-.0022391	.0026791	-0.84	0.403	-.0074901	.0030119
_cons	.0357688	.011928	3.00	0.003	.0123904	.0591472

eperoll24

mototkt	-.000202	.0002163	-0.93	0.350	-.000626	.000222
male	.0019842	.001261	1.57	0.116	-.0004874	.0044557
gendermiss_flag	-.0293927	.0911485	-0.32	0.747	-.2080405	.1492551
tsd_age	-.0010392	.0001548	-6.71	0.000	-.0013426	-.0007358
doage2	-.0003703	.0001378	-2.69	0.007	-.0006403	-.0001003
doage2miss_flag	-.095262	.2038441	-0.47	0.640	-.4947892	.3042652
race_a	.0031483	.0040366	0.78	0.435	-.0047634	.0110599
race_b	.0110499	.0017713	6.24	0.000	.0075781	.0145216
race_h	.0012685	.0022208	0.57	0.568	-.0030842	.0056212
race_i	-.0088549	.0081835	-1.08	0.279	-.0248943	.0071844
race_o	.0097652	.0060427	1.62	0.106	-.0020783	.0216086
race_mis	-.000019	.0047369	-0.00	0.997	-.0093032	.0092652
tsd_edu_hs	.0032082	.0018821	1.70	0.088	-.0004807	.0068972
tsd_edu_mrhs	.0154787	.0021588	7.17	0.000	.0112476	.0197098
tsd_edu_mis	.0101751	.0020974	4.85	0.000	.0060643	.014286
tsd_mie_exp	.0016369	.0039155	0.42	0.676	-.0060373	.0093111
tsd_mie_mis	-.009272	.0021684	-4.28	0.000	-.0135219	-.0050221
tsd_mie_psbl	-.0072563	.0016976	-4.27	0.000	-.0105836	-.0039291
tsd_medicare	-.0152378	.0022113	-6.89	0.000	-.0195719	-.0109037
tsd_medicare_miss	-.0427902	.0076819	-5.57	0.000	-.0578464	-.0277339
tsd_depend_1	-.0036649	.0017895	-2.05	0.041	-.0071722	-.0001577
tsd_depend_2	-.0028644	.0015821	-1.81	0.070	-.0059653	.0002365
tsd_depend_miss	-.0204959	.0056413	-3.63	0.000	-.0315527	-.009439
tsd_vrpr	.0031566	.0035713	0.88	0.377	-.003843	.0101561
tsd_vrpr_miss	-.0253234	.0033916	-7.47	0.000	-.0319709	-.018676
pdcgrou2	-.0054057	.0020224	-2.67	0.008	-.0093696	-.0014418
pdcgrou3	.0032499	.002359	1.38	0.168	-.0013737	.0078735
pdcgrou4	-.0001614	.0017714	-0.09	0.927	-.0036333	.0033106

pdgroup5	-.0027918	.0184501	-0.15	0.880	-.0389534	.0333697
cohort2000	-.0092962	.0030267	-3.07	0.002	-.0152284	-.0033639
cohort2001	-.0139004	.0046493	-2.99	0.003	-.0230129	-.0047879
cohort2002	-.0171038	.0065866	-2.60	0.009	-.0300133	-.0041943
cohort2003	-.0105605	.0086728	-1.22	0.223	-.027559	.0064379
cohort2004	.0478131	.0144913	3.30	0.001	.0194108	.0762155
award_b4_tsd	-.0131783	.0076268	-1.73	0.084	-.0281266	.0017701
diaward_tsd	-.0009674	.0001902	-5.09	0.000	-.0013401	-.0005947
epeb4twp_flag	.0764847	.0692282	1.10	0.269	-.0592002	.2121696
ldwb4twp_flag	-.0112517	.0502708	-0.22	0.823	-.1097807	.0872773
ldwb4epe_flag	.2541394	.0175021	14.52	0.000	.219836	.2884428
twpb4tsd	.2732854	.0023767	114.99	0.000	.2686271	.2779436
epeb4tsd	-.1317773	.0033659	-39.15	0.000	-.1383742	-.1251803
ldwb4tsd	-.0757651	.0044076	-17.19	0.000	-.0844039	-.0671263
st_AL	-.0005153	.0124474	-0.04	0.967	-.0249119	.0238812
st_AR	-.0027126	.0251578	-0.11	0.914	-.0520209	.0465957
st_AZ	-.0124228	.0198125	-0.63	0.531	-.0512546	.026409
st_CA	.0115641	.0121958	0.95	0.343	-.0123393	.0354674
st_CO	-.0025616	.0272569	-0.09	0.925	-.0559841	.0508608
st_CT	.0421817	.0205178	2.06	0.040	.0019676	.0823958
st_DC	.0039005	.0483204	0.08	0.936	-.0908056	.0986067
st_DE	-.0421296	.0370267	-1.14	0.255	-.1147006	.0304415
st_FL	-.021228	.0154956	-1.37	0.171	-.0515988	.0091428
st_GA	.0087356	.0196804	0.44	0.657	-.0298373	.0473084
st_HI	.0105318	.0139313	0.76	0.450	-.0167731	.0378367
st_IA	-.0156497	.027113	-0.58	0.564	-.0687902	.0374907
st_ID	.006852	.0135584	0.51	0.613	-.0197219	.033426
st_IL	-.0194616	.0181559	-1.07	0.284	-.0550466	.0161233
st_IN	-.0104263	.0206135	-0.51	0.613	-.050828	.0299754
st_KS	-.0018027	.0256086	-0.07	0.944	-.0519947	.0483892
st_KY	-.0220906	.0190481	-1.16	0.246	-.0594242	.0152429
st_LA	-.0129578	.0220002	-0.59	0.556	-.0560774	.0301619
st_MA	-.0242588	.0168768	-1.44	0.151	-.0573366	.008819
st_MD	.0169332	.0125557	1.35	0.177	-.0076754	.0415419
st_ME	.0183354	.0130025	1.41	0.158	-.007149	.0438199
st_MI	-.0135465	.0157166	-0.86	0.389	-.0443505	.0172575
st_MN	.0245131	.012539	1.95	0.051	-.0000629	.049089
st_MO	-.0206574	.0171601	-1.20	0.229	-.0542905	.0129757
st_MS	-.0284306	.018449	-1.54	0.123	-.06459	.0077288
st_MT	-.0334732	.0451447	-0.74	0.458	-.1219552	.0550089
st_NC	-.0043417	.0123211	-0.35	0.725	-.0284905	.0198071
st_ND	-.0870375	.0730739	-1.19	0.234	-.2302597	.0561846
st_NE	.0039316	.0133394	0.29	0.768	-.0222131	.0300762
st_NH	-.0158118	.0280943	-0.56	0.574	-.0708755	.039252
st_NJ	-.0043148	.0167632	-0.26	0.797	-.0371701	.0285405
st_NM	.0297886	.0305737	0.97	0.330	-.0301348	.0897119
st_NV	-.0178753	.0252464	-0.71	0.479	-.0673573	.0316068
st_NY	-.014107	.0147714	-0.96	0.340	-.0430583	.0148444
st_OH	.0057953	.0123272	0.47	0.638	-.0183654	.0299561
st_OK	-.0059558	.0303105	-0.20	0.844	-.0653634	.0534517
st_OR	-.0387068	.0237787	-1.63	0.104	-.0853122	.0078987
st_PA	.0084475	.0122898	0.69	0.492	-.01564	.032535
st_PR	-.0133187	.0124136	-1.07	0.283	-.037649	.0110115
st_RI	.03162	.0134124	2.36	0.018	.0053322	.0579078
st_SC	-.0223448	.0182215	-1.23	0.220	-.0580584	.0133688
st_SD	-.073732	.069059	-1.07	0.286	-.2090851	.0616211
st_TN	-.0119141	.0183293	-0.65	0.516	-.0478388	.0240107
st_TX	.0056228	.0122703	0.46	0.647	-.0184265	.0296722
st_UT	.0065882	.0133904	0.49	0.623	-.0196565	.0328329
st_VA	-.0212547	.0188612	-1.13	0.260	-.058222	.0157126
st_VT	-.0328501	.0451465	-0.73	0.467	-.1213357	.0556355
st_WA	.0131554	.0124871	1.05	0.292	-.011319	.0376297
st_WI	.0181319	.020038	0.90	0.366	-.0211418	.0574056

st_WV	.0032452	.0127886	0.25	0.800	-.02182	.0283105
st_WY	.0124999	.0168423	0.74	0.458	-.0205103	.0455101
pial	-4.20e-06	7.23e-06	-0.58	0.561	-.0000184	9.97e-06
pia_miss	-.0036903	.007305	-0.51	0.613	-.0180078	.0106272
ime1	3.53e-06	2.37e-06	1.49	0.137	-1.13e-06	8.18e-06
ime_miss	-.0147784	.0036964	-4.00	0.000	-.0220232	-.0075336
_cons	.1470545	.0164571	8.94	0.000	.1147991	.1793099

eperoll36						
mototkt	-.0003069	.0002523	-1.22	0.224	-.0008014	.0001877
male	.0026382	.0014709	1.79	0.073	-.0002446	.005521
gendermiss_flag	-.0456464	.1063157	-0.43	0.668	-.2540214	.1627286
tsd_age	-.0019421	.0001806	-10.75	0.000	-.002296	-.0015881
doage2	-.0003551	.0001607	-2.21	0.027	-.00067	-.0000402
doage2miss_flag	-.0882564	.237764	-0.37	0.710	-.5542653	.3777524
race_a	.0018063	.0047083	0.38	0.701	-.0074219	.0110345
race_b	.0160579	.0020661	7.77	0.000	.0120085	.0201074
race_h	-.0001305	.0025903	-0.05	0.960	-.0052074	.0049465
race_i	.0039829	.0095452	0.42	0.676	-.0147254	.0226911
race_o	.0063415	.0070482	0.90	0.368	-.0074727	.0201558
race_mis	-.0026605	.0055251	-0.48	0.630	-.0134896	.0081686
tsd_edu_hs	.0065372	.0021953	2.98	0.003	.0022345	.0108399
tsd_edu_mrhs	.0222814	.002518	8.85	0.000	.0173463	.0272165
tsd_edu_mis	.0133697	.0024464	5.46	0.000	.0085747	.0181646
tsd_mie_exp	.0032303	.004567	0.71	0.479	-.0057209	.0121815
tsd_mie_mis	-.0090432	.0025292	-3.58	0.000	-.0140003	-.0040861
tsd_mie_psbl	-.008079	.0019801	-4.08	0.000	-.0119599	-.0041981
tsd_medicare	-.0207536	.0025793	-8.05	0.000	-.0258089	-.0156983
tsd_medicare_miss	-.0555347	.0089602	-6.20	0.000	-.0730963	-.0379731
tsd_depend_1	-.0038274	.0020872	-1.83	0.067	-.0079183	.0002634
tsd_depend_2	-.0020684	.0018454	-1.12	0.262	-.0056853	.0015485
tsd_depend_miss	-.0267149	.0065801	-4.06	0.000	-.0396116	-.0138182
tsd_vrpr	-.0175947	.0041655	-4.22	0.000	-.025759	-.0094304
tsd_vrpr_miss	-.0598945	.003956	-15.14	0.000	-.0676481	-.0521409
pdcgrou2	-.0126398	.002359	-5.36	0.000	-.0172633	-.0080163
pdcgrou3	.0006349	.0027516	0.23	0.818	-.0047581	.0060279
pdcgrou4	-.0051359	.0020662	-2.49	0.013	-.0091855	-.0010862
pdcgrou5	-.0109189	.0215202	-0.51	0.612	-.0530978	.0312599
cohort2000	-.0154175	.0035304	-4.37	0.000	-.0223368	-.0084981
cohort2001	-.0213397	.005423	-3.94	0.000	-.0319685	-.0107109
cohort2002	-.0274925	.0076826	-3.58	0.000	-.0425501	-.0124348
cohort2003	-.0220098	.010116	-2.18	0.030	-.0418368	-.0021828
cohort2004	.0661618	.0169026	3.91	0.000	.0330333	.0992904
award_b4_tsd	-.0059046	.008896	-0.66	0.507	-.0233403	.0115312
diaward_tsd	-.0012002	.0002218	-5.41	0.000	-.001635	-.0007655
epeb4twp_flag	.0892594	.0807479	1.11	0.269	-.0690035	.2475224
ldwb4twp_flag	-.0205975	.0586359	-0.35	0.725	-.1355218	.0943268
ldwb4epe_flag	.3733446	.0204144	18.29	0.000	.3333331	.4133561
twpb4tsd	.2990836	.0027722	107.89	0.000	.2936503	.304517
epeb4tsd	-.1640285	.003926	-41.78	0.000	-.1717232	-.1563337
ldwb4tsd	-.0918405	.0051411	-17.86	0.000	-.1019168	-.0817642
st_AL	-.0012026	.0145187	-0.08	0.934	-.0296587	.0272535
st_AR	.026394	.029344	0.90	0.368	-.0311192	.0839073
st_AZ	-.012976	.0231093	-0.56	0.574	-.0582694	.0323175
st_CA	.0194661	.0142252	1.37	0.171	-.0084148	.0473471
st_CO	.0330442	.0317924	1.04	0.299	-.0292678	.0953563
st_CT	.0517342	.023932	2.16	0.031	.0048284	.0986399
st_DC	-.0116914	.0563609	-0.21	0.836	-.1221568	.0987739
st_DE	-.0640743	.043188	-1.48	0.138	-.1487212	.0205726
st_FL	-.0223592	.018074	-1.24	0.216	-.0577837	.0130653
st_GA	-.0029287	.0229552	-0.13	0.898	-.0479201	.0420628
st_HI	.0163079	.0162495	1.00	0.316	-.0155405	.0481564
st_IA	.0350414	.0316246	1.11	0.268	-.0269416	.0970244

st_ID	.0101762	.0158145	0.64	0.520	-.0208197	.0411721
st_IL	.0171203	.0211771	0.81	0.419	-.0243859	.0586266
st_IN	-.0169939	.0240436	-0.71	0.480	-.0641185	.0301306
st_KS	.0303636	.0298699	1.02	0.309	-.0281804	.0889075
st_KY	-.0150005	.0222177	-0.68	0.500	-.0585464	.0285454
st_LA	.0188191	.0256611	0.73	0.463	-.0314757	.0691139
st_MA	.0053237	.0196851	0.27	0.787	-.0332584	.0439057
st_MD	.0215139	.0146449	1.47	0.142	-.0071896	.0502175
st_ME	.0263788	.0151661	1.74	0.082	-.0033462	.0561039
st_MI	-.0072684	.0183318	-0.40	0.692	-.0431981	.0286614
st_MN	.0309919	.0146255	2.12	0.034	.0023265	.0596573
st_MO	-.0078595	.0200155	-0.39	0.695	-.0470892	.0313702
st_MS	-.0194824	.0215189	-0.91	0.365	-.0616587	.022694
st_MT	-.0585434	.0526569	-1.11	0.266	-.161749	.0446621
st_NC	-.0025442	.0143713	-0.18	0.859	-.0307114	.025623
st_ND	-.107263	.0852334	-1.26	0.208	-.2743175	.0597915
st_NE	.0073396	.015559	0.47	0.637	-.0231556	.0378348
st_NH	.0244183	.0327692	0.75	0.456	-.0398081	.0886447
st_NJ	.010518	.0195526	0.54	0.591	-.0278045	.0488404
st_NM	.0472816	.0356612	1.33	0.185	-.0226131	.1171763
st_NV	-.0338458	.0294474	-1.15	0.250	-.0915617	.0238701
st_NY	.0033454	.0172293	0.19	0.846	-.0304234	.0371142
st_OH	.0063643	.0143784	0.44	0.658	-.0218169	.0345454
st_OK	-.0060844	.0353542	-0.17	0.863	-.0753775	.0632086
st_OR	-.009415	.0277355	-0.34	0.734	-.0637756	.0449456
st_PA	.011568	.0143348	0.81	0.420	-.0165278	.0396637
st_PR	-.0175336	.0144793	-1.21	0.226	-.0459124	.0108452
st_RI	.0391567	.0156442	2.50	0.012	.0084946	.0698188
st_SC	-.0222153	.0212536	-1.05	0.296	-.0638717	.019441
st_SD	-.1061576	.0805505	-1.32	0.188	-.2640336	.0517184
st_TN	-.0244304	.0213793	-1.14	0.253	-.066333	.0174723
st_TX	.0073722	.0143121	0.52	0.606	-.0206791	.0354234
st_UT	.0097672	.0156186	0.63	0.532	-.0208447	.0403791
st_VA	-.0119243	.0219997	-0.54	0.588	-.055043	.0311944
st_VT	-.0048937	.052659	-0.09	0.926	-.1081034	.098316
st_WA	.0188232	.014565	1.29	0.196	-.0097237	.0473701
st_WI	.0292175	.0233723	1.25	0.211	-.0165914	.0750265
st_WV	.0043839	.0149167	0.29	0.769	-.0248523	.03362
st_WY	.0063781	.0196448	0.32	0.745	-.0321251	.0448812
pial	3.11e-06	8.43e-06	0.37	0.712	-.0000134	.0000196
pia_miss	.0039542	.0085206	0.46	0.643	-.0127457	.0206542
ime1	1.44e-06	2.77e-06	0.52	0.602	-3.98e-06	6.87e-06
ime_miss	-.0285279	.0043115	-6.62	0.000	-.0369782	-.0200776
_cons	.2423447	.0191956	12.63	0.000	.204722	.2799674

eperoll48

mototkt	-.0004092	.0002733	-1.50	0.134	-.0009448	.0001264
male	.0025117	.0015931	1.58	0.115	-.0006107	.0056341
gendermiss_flag	-.0564637	.1151505	-0.49	0.624	-.2821544	.169227
tsd_age	-.0024554	.0001956	-12.55	0.000	-.0028387	-.002072
doage2	-.0003116	.000174	-1.79	0.073	-.0006527	.0000295
doage2miss_flag	-.0700186	.257522	-0.27	0.786	-.5747524	.4347151
race_a	-.0003674	.0050996	-0.07	0.943	-.0103624	.0096276
race_b	.0166821	.0022378	7.45	0.000	.0122961	.021068
race_h	-.0004405	.0028056	-0.16	0.875	-.0059394	.0050584
race_i	.0059494	.0103384	0.58	0.565	-.0143135	.0262123
race_o	.0058672	.0076339	0.77	0.442	-.009095	.0208294
race_mis	-.0077648	.0059843	-1.30	0.194	-.0194938	.0039642
tsd_edu_hs	.0072647	.0023777	3.06	0.002	.0026044	.011925
tsd_edu_mrhs	.0274347	.0027272	10.06	0.000	.0220895	.03278
tsd_edu_mis	.014336	.0026497	5.41	0.000	.0091426	.0195293
tsd_mie_exp	.0044445	.0049465	0.90	0.369	-.0052505	.0141395
tsd_mie_mis	-.0094609	.0027393	-3.45	0.001	-.0148299	-.0040919

tsd_mie_psbl	-.0069439	.0021446	-3.24	0.001	-.0111473	-.0027405
tsd_medicare	-.0225665	.0027936	-8.08	0.000	-.0280419	-.0170911
tsd_medicare_miss	-.0677776	.0097047	-6.98	0.000	-.086797	-.0487551
tsd_depend_1	-.0040061	.0022607	-1.77	0.076	-.0084369	.0004247
tsd_depend_2	-.0006635	.0019987	-0.33	0.740	-.004581	.0032539
tsd_depend_miss	-.025374	.0071269	-3.56	0.000	-.0393424	-.0114056
tsd_vrpr	-.0336872	.0045117	-7.47	0.000	-.04253	-.0248444
tsd_vrpr_miss	-.0854835	.0042847	-19.95	0.000	-.0938814	-.0770856
pdcgrou2	-.0163356	.002555	-6.39	0.000	-.0213433	-.0113279
pdcgrou3	-.0022462	.0029802	-0.75	0.451	-.0080873	.0035949
pdcgrou4	-.0080205	.0022379	-3.58	0.000	-.0124067	-.0036344
pdcgrou5	-.0210612	.0233085	-0.90	0.366	-.0667451	.0246227
cohort2000	-.0164169	.0038237	-4.29	0.000	-.0239112	-.0089225
cohort2001	-.0238779	.0058736	-4.07	0.000	-.03539	-.0123658
cohort2002	-.030821	.008321	-3.70	0.000	-.0471299	-.014512
cohort2003	-.0265768	.0109566	-2.43	0.015	-.0480514	-.0051022
cohort2004	.063723	.0183072	3.48	0.000	.0278415	.0996045
award_b4_tsd	.0041461	.0096352	0.43	0.667	-.0147386	.0230307
diaward_tsd	-.001366	.0002402	-5.69	0.000	-.0018368	-.00008951
epeb4twp_flag	.0926485	.087458	1.06	0.289	-.078766	.264063
ldwb4twp_flag	-.0270638	.0635085	-0.43	0.670	-.1515382	.0974106
ldwb4epe_flag	.4730322	.0221108	21.39	0.000	.4296958	.5163687
twpb4tsd	.3012316	.0030025	100.33	0.000	.2953468	.3071165
epeb4tsd	-.1786113	.0042522	-42.00	0.000	-.1869455	-.1702772
ldwb4tsd	-.0998057	.0055683	-17.92	0.000	-.1107193	-.0888921
st_AL	-.0190585	.0157252	-1.21	0.226	-.0498793	.0117623
st_AR	.0088622	.0317825	0.28	0.780	-.0534303	.0711548
st_AZ	-.0244064	.0250297	-0.98	0.330	-.0734637	.0246509
st_CA	.0075586	.0154073	0.49	0.624	-.0226392	.0377564
st_CO	.0038645	.0344343	0.11	0.911	-.0636256	.0713546
st_CT	.0502542	.0259207	1.94	0.053	-.0005494	.1010578
st_DC	.0147736	.0610444	0.24	0.809	-.1048713	.1344185
st_DE	-.0671667	.0467769	-1.44	0.151	-.1588477	.0245143
st_FL	-.023144	.019576	-1.18	0.237	-.0615122	.0152242
st_GA	-.0076829	.0248628	-0.31	0.757	-.0564131	.0410472
st_HI	.002054	.0175998	0.12	0.907	-.032441	.036549
st_IA	.0204766	.0342526	0.60	0.550	-.0466572	.0876104
st_ID	-.0045918	.0171287	-0.27	0.789	-.0381635	.0289798
st_IL	.0137764	.0229369	0.60	0.548	-.031179	.0587318
st_IN	-.0398892	.0260416	-1.53	0.126	-.0909298	.0111514
st_KS	.0384608	.0323521	1.19	0.235	-.0249481	.1018697
st_KY	-.0343277	.024064	-1.43	0.154	-.0814922	.0128368
st_LA	.0074808	.0277935	0.27	0.788	-.0469934	.061955
st_MA	-.0017645	.0213209	-0.08	0.934	-.0435526	.0400237
st_MD	.0032101	.0158619	0.20	0.840	-.0278787	.0342988
st_ME	.0113759	.0164264	0.69	0.489	-.0208193	.0435711
st_MI	-.0118892	.0198552	-0.60	0.549	-.0508046	.0270263
st_MN	.0141557	.0158409	0.89	0.372	-.0168918	.0452032
st_MO	-.0157037	.0216788	-0.72	0.469	-.0581934	.0267859
st_MS	-.0347984	.0233071	-1.49	0.135	-.0804795	.0108828
st_MT	-.0899692	.0570326	-1.58	0.115	-.2017511	.0218126
st_NC	-.0218567	.0155655	-1.40	0.160	-.0523646	.0086512
st_ND	-.1357256	.0923163	-1.47	0.142	-.3166622	.0452109
st_NE	-.0026132	.016852	-0.16	0.877	-.0356425	.030416
st_NH	.0399908	.0354923	1.13	0.260	-.0295728	.1095544
st_NJ	.0048607	.0211774	0.23	0.818	-.0366463	.0463677
st_NM	.0555181	.0386246	1.44	0.151	-.0201848	.131221
st_NV	-.0261032	.0318945	-0.82	0.413	-.0886152	.0364089
st_NY	.0062027	.0186611	0.33	0.740	-.0303723	.0427777
st_OH	-.0098885	.0155732	-0.63	0.525	-.0404115	.0206345
st_OK	-.0165799	.0382921	-0.43	0.665	-.0916311	.0584713
st_OR	.0102562	.0300403	0.34	0.733	-.0486218	.0691341
st_PA	-.0003141	.015526	-0.02	0.984	-.0307445	.0301164

st_PR	-.0386763	.0156825	-2.47	0.014	-.0694134	-.0079392
st_RI	.0264888	.0169442	1.56	0.118	-.0067213	.0596989
st_SC	-.0422219	.0230198	-1.83	0.067	-.0873398	.0028961
st_SD	-.1472568	.0872441	-1.69	0.091	-.3182521	.0237386
st_TN	-.0439938	.0231559	-1.90	0.057	-.0893785	.0013909
st_TX	-.0070391	.0155014	-0.45	0.650	-.0374213	.0233431
st_UT	-.0046709	.0169165	-0.28	0.782	-.0378266	.0284848
st_VA	-.0141528	.0238279	-0.59	0.553	-.0608546	.0325491
st_VT	.0563773	.0570349	0.99	0.323	-.0554091	.1681636
st_WA	.0031051	.0157754	0.20	0.844	-.027814	.0340243
st_WI	.0188186	.0253145	0.74	0.457	-.030797	.0684342
st_WV	-.0102477	.0161562	-0.63	0.526	-.0419133	.021418
st_WY	.0073353	.0212773	0.34	0.730	-.0343674	.0490381
pial	.0000118	9.13e-06	1.29	0.196	-6.10e-06	.0000297
pia_miss	.0051306	.0092286	0.56	0.578	-.0129571	.0232183
ime1	-3.88e-07	3.00e-06	-0.13	0.897	-6.27e-06	5.49e-06
ime_miss	-.0335487	.0046698	-7.18	0.000	-.0427013	-.0243962
_cons	.3155371	.0207908	15.18	0.000	.274788	.3562862

Endogenous variables: eperoll12 eperoll24 eperoll36 eperoll48 mototkt
Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psb1 tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
epb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epb4tsd ldwb4tsd
st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
st_WI st_WV st_WY pial pia_miss ime1 ime_miss imm21 imm23 imm24 imm25
imm26 imm27 imm28 imm29 imm30

(1) 12*[eperoll12]mototkt + 12*[eperoll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0004023	.0040943	-0.10	0.922	-.008427 .0076224

(1) 12*[eperoll12]mototkt + 12*[eperoll24]mototkt + 12*[eperoll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0040845	.006703	-0.61	0.542	-.0172222 .0090532

(1) 12*[eperoll12]mototkt + 12*[eperoll24]mototkt + 12*[eperoll36]mototkt + 12*[eperoll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]
(1)	-.0089944	.0095973	-0.94	0.349	-.0278046 .0098159

phase 3 dependent variable: twproll, unemployment: nounemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
twproll12	1.1e+05	97	.1791143	0.0185	2161.72	0.0000
twproll24	1.1e+05	97	.2331337	0.0328	3894.21	0.0000
twproll36	1.1e+05	97	.2613754	0.0426	5099.83	0.0000
twproll48	1.1e+05	97	.2764597	0.0481	5797.51	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
twproll12						
mototkt	7.31e-06	.0001901	0.04	0.969	-.0003654	.00038
male	.002214	.0011085	2.00	0.046	.0000415	.0043866
gendermiss_flag	-.0289627	.0801224	-0.36	0.718	-.1859998	.1280744
tsd_age	-.0014269	.0001361	-10.48	0.000	-.0016936	-.0011601
doage2	.0001887	.0001211	1.56	0.119	-.0000487	.000426
doage2miss_flag	.0318949	.1791855	0.18	0.859	-.3193021	.383092
race_a	-.0014274	.0035483	-0.40	0.687	-.008382	.0055272
race_b	.0070042	.0015571	4.50	0.000	.0039524	.010056
race_h	.0005292	.0019522	0.27	0.786	-.003297	.0043553
race_i	-.005554	.0071935	-0.77	0.440	-.019653	.0085451
race_o	.0106084	.0053117	2.00	0.046	.0001976	.0210192
race_mis	-.0057506	.0041639	-1.38	0.167	-.0139117	.0024105
tsd_edu_hs	.0025041	.0016544	1.51	0.130	-.0007386	.0057468
tsd_edu_mrhs	.0111735	.0018976	5.89	0.000	.0074542	.0148928
tsd_edu_mis	.0038233	.0018437	2.07	0.038	.0002097	.0074369
tsd_mie_exp	.0174562	.0034418	5.07	0.000	.0107104	.0242021
tsd_mie_mis	-.0009536	.0019061	-0.50	0.617	-.0046894	.0027822
tsd_mie_psbl	.0045855	.0014923	3.07	0.002	.0016607	.0075103
tsd_medicare	-.0127058	.0019438	-6.54	0.000	-.0165156	-.008896
tsd_medicare_miss	-.0240145	.0067526	-3.56	0.000	-.0372494	-.0107796
tsd_depend_1	-.0023501	.001573	-1.49	0.135	-.0054331	.0007329
tsd_depend_2	-.0004283	.0013907	-0.31	0.758	-.003154	.0022975
tsd_depend_miss	-.0177311	.0049589	-3.58	0.000	-.0274504	-.0080118
tsd_vrpr	-.018541	.0031393	-5.91	0.000	-.0246939	-.0123882
tsd_vrpr_miss	-.0440983	.0029813	-14.79	0.000	-.0499416	-.0382255
pdcgroup2	-.0110724	.0017778	-6.23	0.000	-.0145568	-.007588
pdcgroup3	-.0076258	.0020737	-3.68	0.000	-.0116901	-.0035615
pdcgroup4	-.0073582	.0015571	-4.73	0.000	-.0104102	-.0043063
pdcgroup5	.0114512	.0162182	0.71	0.480	-.0203359	.0432384
cohort2000	-.0044966	.0026606	-1.69	0.091	-.0097112	.000718
cohort2001	-.0056714	.0040869	-1.39	0.165	-.0136815	.0023388
cohort2002	-.0044279	.0057898	-0.76	0.444	-.0157757	.00692
cohort2003	-.0056517	.0076237	-0.74	0.458	-.0205938	.0092905
cohort2004	.0215367	.0127383	1.69	0.091	-.0034299	.0465033
award_b4_tsd	-.0086766	.0067042	-1.29	0.196	-.0218167	.0044635
diaward_tsd	-.0003762	.0001672	-2.25	0.024	-.0007039	-.0000486
epeb4twp_flag	-.008979	.0608538	-0.15	0.883	-.1282503	.1102923
ldwb4twp_flag	.1924889	.0441896	4.36	0.000	.1058788	.279099
ldwb4epe_flag	.1051706	.0153849	6.84	0.000	.0750168	.1353244
twpb4tsd	-.0119861	.0020892	-5.74	0.000	-.0160809	-.0078914
epeb4tsd	-.0230658	.0029587	-7.80	0.000	-.0288647	-.0172668
ldwb4tsd	-.0164369	.0038744	-4.24	0.000	-.0240306	-.0088431
st_AL	-.0058469	.0109417	-0.53	0.593	-.0272922	.0155984
st_AR	-.0247002	.0221145	-1.12	0.264	-.0680437	.0186434
st_AZ	.0157052	.0174158	0.90	0.367	-.0184292	.0498396
st_CA	.004684	.0107205	0.44	0.662	-.0163278	.0256959
st_CO	-.0079531	.0239596	-0.33	0.740	-.0549131	.039007
st_CT	.0391201	.0180358	2.17	0.030	.0037707	.0744696
st_DC	.0163147	.0424751	0.38	0.701	-.066935	.0995644

st_DE	-.0146817	.0325477	-0.45	0.652	-.078474	.0491105
st_FL	-.0222882	.0136211	-1.64	0.102	-.0489851	.0044086
st_GA	-.0225102	.0172997	-1.30	0.193	-.056417	.0113966
st_HI	.0054509	.0122461	0.45	0.656	-.018551	.0294528
st_IA	.02043	.0238332	0.86	0.391	-.0262822	.0671421
st_ID	.0050233	.0119183	0.42	0.673	-.0183361	.0283826
st_IL	-.0198575	.0159596	-1.24	0.213	-.0511378	.0114227
st_IN	.0082189	.0181199	0.45	0.650	-.0272954	.0437333
st_KS	.0140449	.0225108	0.62	0.533	-.0300755	.0581652
st_KY	-.0127127	.0167439	-0.76	0.448	-.0455301	.0201046
st_LA	.0075709	.0193389	0.39	0.695	-.0303326	.0454744
st_MA	-.0027291	.0148352	-0.18	0.854	-.0318055	.0263474
st_MD	.002527	.0110368	0.23	0.819	-.0191047	.0241588
st_ME	.0037588	.0114296	0.33	0.742	-.0186429	.0261604
st_MI	.0019412	.0138154	0.14	0.888	-.0251365	.0290188
st_MN	.0029829	.0110222	0.27	0.787	-.0186202	.0245859
st_MO	.0025402	.0150842	0.17	0.866	-.0270243	.0321048
st_MS	-.0193561	.0162173	-1.19	0.233	-.0511413	.0124292
st_MT	.0511266	.0396837	1.29	0.198	-.026652	.1289051
st_NC	-.0058261	.0108306	-0.54	0.591	-.0270537	.0154015
st_ND	-.0355358	.0642343	-0.55	0.580	-.1614326	.0903611
st_NE	-.0009017	.0117257	-0.08	0.939	-.0238837	.0220803
st_NH	-.0248973	.0246958	-1.01	0.313	-.0733001	.0235055
st_NJ	.0034935	.0147354	0.24	0.813	-.0253874	.0323744
st_NM	.0012556	.0268753	0.05	0.963	-.0514189	.0539302
st_NV	-.0331373	.0221924	-1.49	0.135	-.0766336	.010359
st_NY	-.0032778	.0129845	-0.25	0.801	-.0287269	.0221713
st_OH	-.0036357	.010836	-0.34	0.737	-.0248738	.0176024
st_OK	-.0184007	.0266439	-0.69	0.490	-.0706218	.0338204
st_OR	.011357	.0209023	0.54	0.587	-.0296106	.0523247
st_PA	-.0014833	.0108031	-0.14	0.891	-.022657	.0196904
st_PR	-.0193763	.010912	-1.78	0.076	-.0407633	.0020108
st_RI	.0106306	.0117899	0.90	0.367	-.0124772	.0337384
st_SC	-.0284564	.0160173	-1.78	0.076	-.0598497	.002937
st_SD	-.053415	.060705	-0.88	0.379	-.1723947	.0655647
st_TN	-.021536	.016112	-1.34	0.181	-.053115	.010043
st_TX	-.002615	.010786	-0.24	0.808	-.0237552	.0185252
st_UT	-.0020535	.0117706	-0.17	0.862	-.0251234	.0210165
st_VA	-.0073715	.0165796	-0.44	0.657	-.039867	.0251239
st_VT	-.0367922	.0396852	-0.93	0.354	-.1145739	.0409894
st_WA	.0057416	.0109766	0.52	0.601	-.0157722	.0272553
st_WI	.0063668	.017614	0.36	0.718	-.0281561	.0408896
st_WV	-.0052047	.0112416	-0.46	0.643	-.0272378	.0168285
st_WY	.0059474	.0148049	0.40	0.688	-.0230696	.0349645
pial	.0000113	6.36e-06	1.77	0.076	-1.18e-06	.0000237
pia_miss	.0176868	.0064213	2.75	0.006	.0051012	.0302724
ime1	-2.99e-06	2.09e-06	-1.43	0.152	-7.08e-06	1.10e-06
ime_miss	-.0198409	.0032493	-6.11	0.000	-.0262094	-.0134725
_cons	.1409248	.0144663	9.74	0.000	.1125713	.1692783

twproll24

mototkt	-.000145	.0002475	-0.59	0.558	-.00063	.0003401
male	.0008647	.0014428	0.60	0.549	-.0019631	.0036925
gendermiss_flag	-.0527419	.1042867	-0.51	0.613	-.2571401	.1516564
tsd_age	-.0025594	.0001771	-14.45	0.000	-.0029065	-.0022122
doage2	.0003596	.0001576	2.28	0.023	.0000507	.0006685
doage2miss_flag	.0672241	.2332264	0.29	0.773	-.3898912	.5243394
race_a	-.0037089	.0046185	-0.80	0.422	-.0127609	.0053432
race_b	.0119456	.0020267	5.89	0.000	.0079734	.0159178
race_h	.0003158	.0025409	0.12	0.901	-.0046643	.0052959
race_i	.0038408	.009363	0.41	0.682	-.0145105	.022192
race_o	.014509	.0069137	2.10	0.036	.0009584	.0280596
race_mis	-.0078122	.0054197	-1.44	0.149	-.0184346	.0028102

tsd_edu_hs	.0065337	.0021534	3.03	0.002	.0023131	.0107543
tsd_edu_mrhs	.01901	.0024699	7.70	0.000	.014169	.0238509
tsd_edu_mis	.0059857	.0023997	2.49	0.013	.0012823	.0106891
tsd_mie_exp	.0212855	.0044799	4.75	0.000	.0125051	.0300659
tsd_mie_mis	-.0027679	.0024809	-1.12	0.265	-.0076304	.0020946
tsd_mie_psbl	.0063546	.0019423	3.27	0.001	.0025477	.0101614
tsd_medicare	-.0198996	.0025301	-7.87	0.000	-.0248585	-.0149408
tsd_medicare_miss	-.0452855	.0087892	-5.15	0.000	-.0625119	-.028059
tsd_depend_1	-.0035384	.0020474	-1.73	0.084	-.0075512	.0004744
tsd_depend_2	.0004642	.0018102	0.26	0.798	-.0030836	.0040121
tsd_depend_miss	-.0243294	.0064545	-3.77	0.000	-.03698	-.0116789
tsd_vrpr	-.0547682	.004086	-13.40	0.000	-.0627767	-.0467597
tsd_vrpr_miss	-.0982471	.0038805	-25.32	0.000	-.1058527	-.0906415
pdcgrou2	-.0203691	.002314	-8.80	0.000	-.0249043	-.0158338
pdcgrou3	-.0110603	.002699	-4.10	0.000	-.0163504	-.0057703
pdcgrou4	-.0159158	.0020268	-7.85	0.000	-.0198882	-.0119434
pdcgrou5	-.0026652	.0211095	-0.13	0.900	-.0440391	.0387087
cohort2000	-.0105755	.003463	-3.05	0.002	-.0173628	-.0037881
cohort2001	-.0146116	.0053195	-2.75	0.006	-.0250376	-.0041856
cohort2002	-.0184258	.007536	-2.45	0.014	-.0331961	-.0036555
cohort2003	-.0241571	.0099229	-2.43	0.015	-.0436057	-.0047085
cohort2004	.0337121	.01658	2.03	0.042	.0012158	.0662084
award_b4_tsd	.0039483	.0087262	0.45	0.651	-.0131547	.0210513
diaward_tsd	-.0007197	.0002176	-3.31	0.001	-.0011462	-.0002933
epeb4twp_flag	.1885479	.0792069	2.38	0.017	.0333053	.3437905
ldwb4twp_flag	.1768913	.0575169	3.08	0.002	.0641603	.2896223
ldwb4epe_flag	.2132411	.0200248	10.65	0.000	.1739932	.252489
twpb4tsd	-.0334783	.0027193	-12.31	0.000	-.038808	-.0281487
epeb4tsd	-.0427232	.003851	-11.09	0.000	-.0502711	-.0351753
ldwb4tsd	-.026452	.0050429	-5.25	0.000	-.0363359	-.016568
st_AL	-.0021291	.0142416	-0.15	0.881	-.0300422	.0257839
st_AR	.0115519	.028784	0.40	0.688	-.0448637	.0679676
st_AZ	.0002248	.0226683	0.01	0.992	-.0442043	.0446538
st_CA	.0176669	.0139537	1.27	0.205	-.0096819	.0450158
st_CO	.0422896	.0311857	1.36	0.175	-.0188332	.1034124
st_CT	.0679018	.0234752	2.89	0.004	.0218912	.1139124
st_DC	-.0010085	.0552853	-0.02	0.985	-.1093657	.1073486
st_DE	-.0447034	.0423638	-1.06	0.291	-.1277349	.0383281
st_FL	-.01587	.0177291	-0.90	0.371	-.0506185	.0188784
st_GA	-.0138297	.0225171	-0.61	0.539	-.0579625	.0303031
st_HI	.0156685	.0159394	0.98	0.326	-.0155721	.0469092
st_IA	.0420487	.031021	1.36	0.175	-.0187514	.1028488
st_ID	.0111375	.0155127	0.72	0.473	-.0192669	.0415419
st_IL	.0102692	.0207729	0.49	0.621	-.0304449	.0509834
st_IN	-.0023769	.0235847	-0.10	0.920	-.0486021	.0438484
st_KS	.0789017	.0292998	2.69	0.007	.0214751	.1363284
st_KY	-.0199262	.0217937	-0.91	0.361	-.0626411	.0227886
st_LA	.0447436	.0251713	1.78	0.075	-.0045914	.0940785
st_MA	.0266021	.0193094	1.38	0.168	-.0112436	.0644478
st_MD	.0065103	.0143654	0.45	0.650	-.0216455	.034666
st_ME	.0196843	.0148767	1.32	0.186	-.0094735	.0488421
st_MI	.0076813	.017982	0.43	0.669	-.0275627	.0429254
st_MN	.0143004	.0143464	1.00	0.319	-.013818	.0424187
st_MO	.0203209	.0196335	1.04	0.301	-.0181601	.0588018
st_MS	-.0187207	.0211083	-0.89	0.375	-.0600922	.0226507
st_MT	.027298	.0516519	0.53	0.597	-.0739379	.1285339
st_NC	-.0029633	.014097	-0.21	0.834	-.030593	.0246663
st_ND	-.0494716	.0836068	-0.59	0.554	-.2133379	.1143947
st_NE	.0170337	.0152621	1.12	0.264	-.0128795	.0469468
st_NH	.0442782	.0321438	1.38	0.168	-.0187225	.1072789
st_NJ	.0011544	.0191795	0.06	0.952	-.0364367	.0387455
st_NM	-.0011567	.0349806	-0.03	0.974	-.0697175	.0674041
st_NV	-.0285862	.0288854	-0.99	0.322	-.0852007	.0280282

st_NY	.0218498	.0169005	1.29	0.196	-.0112746	.0549742
st_OH	.0008815	.014104	0.06	0.950	-.0267619	.0285248
st_OK	-.0210592	.0346795	-0.61	0.544	-.0890297	.0469114
st_OR	.0285408	.0272062	1.05	0.294	-.0247824	.081864
st_PA	.008815	.0140612	0.63	0.531	-.0187445	.0363746
st_PR	-.0239226	.0142029	-1.68	0.092	-.0517599	.0039146
st_RI	.0242215	.0153457	1.58	0.114	-.0058554	.0542985
st_SC	-.0418217	.020848	-2.01	0.045	-.082683	-.0009603
st_SD	-.0884527	.0790132	-1.12	0.263	-.2433157	.0664103
st_TN	-.0198623	.0209713	-0.95	0.344	-.0609652	.0212406
st_TX	.0049409	.014039	0.35	0.725	-.0225749	.0324568
st_UT	.0044451	.0153205	0.29	0.772	-.0255826	.0344727
st_VA	.0237342	.0215799	1.10	0.271	-.0185616	.06603
st_VT	-.0148436	.051654	-0.29	0.774	-.1160836	.0863964
st_WA	.015238	.014287	1.07	0.286	-.0127641	.0432401
st_WI	.0095717	.0229263	0.42	0.676	-.0353629	.0545064
st_WV	.0028327	.014632	0.19	0.846	-.0258455	.0315109
st_WY	.0005199	.0192699	0.03	0.978	-.0372484	.0382883
pial	.000031	8.27e-06	3.74	0.000	.0000147	.0000472
pia_miss	.0361048	.0083579	4.32	0.000	.0197236	.0524861
ime1	-8.75e-06	2.72e-06	-3.22	0.001	-.0000141	-3.43e-06
ime_miss	-.0389128	.0042292	-9.20	0.000	-.0472019	-.0306237
_cons	.2676813	.0188293	14.22	0.000	.2307766	.304586

twproll36						
mototkt	-.000392	.0002775	-1.41	0.158	-.0009359	.0001518
male	.0003583	.0016176	0.22	0.825	-.002812	.0035287
gendermiss_flag	-.0701522	.11692	-0.60	0.549	-.2993111	.1590068
tsd_age	-.0033043	.0001986	-16.64	0.000	-.0036935	-.0029151
doage2	.0004172	.0001767	2.36	0.018	.0000709	.0007635
doage2miss_flag	.0950019	.2614793	0.36	0.716	-.4174881	.607492
race_a	-.0056413	.005178	-1.09	0.276	-.0157899	.0045073
race_b	.0133497	.0022722	5.88	0.000	.0088964	.0178031
race_h	-.0007171	.0028487	-0.25	0.801	-.0063005	.0048662
race_i	.0100466	.0104973	0.96	0.339	-.0105277	.0306209
race_o	.0164343	.0077512	2.12	0.034	.0012422	.0316264
race_mis	-.0118804	.0060762	-1.96	0.051	-.0237896	.0000288
tsd_edu_hs	.0079382	.0024143	3.29	0.001	.0032063	.0126701
tsd_edu_mrhs	.0251259	.0027691	9.07	0.000	.0196986	.0305533
tsd_edu_mis	.0062661	.0026905	2.33	0.020	.0009929	.0115393
tsd_mie_exp	.025795	.0050225	5.14	0.000	.015951	.035639
tsd_mie_mis	-.0016527	.0027814	-0.59	0.552	-.0071042	.0037988
tsd_mie_psbl	.0091045	.0021776	4.18	0.000	.0048365	.0133726
tsd_medicare	-.0221568	.0028366	-7.81	0.000	-.0277163	-.0165972
tsd_medicare_miss	-.0601845	.0098539	-6.11	0.000	-.0794978	-.0408713
tsd_depend_1	-.0041704	.0022954	-1.82	0.069	-.0086694	.0003285
tsd_depend_2	.0028218	.0020294	1.39	0.164	-.0011558	.0067995
tsd_depend_miss	-.0274273	.0072364	-3.79	0.000	-.0416104	-.0132443
tsd_vrpr	-.0799691	.004581	-17.46	0.000	-.0889477	-.0709904
tsd_vrpr_miss	-.132779	.0043506	-30.52	0.000	-.141306	-.1242521
pdcgrou2	-.0247828	.0025943	-9.55	0.000	-.0298674	-.0196981
pdcgrou3	-.0156822	.003026	-5.18	0.000	-.0216131	-.0097513
pdcgrou4	-.021174	.0022723	-9.32	0.000	-.0256276	-.0167204
pdcgrou5	-.0158469	.0236667	-0.67	0.503	-.0622328	.0305391
cohort2000	-.0101132	.0038825	-2.60	0.009	-.0177227	-.0025037
cohort2001	-.0146527	.0059639	-2.46	0.014	-.0263417	-.0029637
cohort2002	-.0179137	.0084489	-2.12	0.034	-.0344732	-.0013541
cohort2003	-.0247994	.011125	-2.23	0.026	-.046604	-.0029948
cohort2004	.0433739	.0185885	2.33	0.020	.006941	.0798068
award_b4_tsd	.0148966	.0097833	1.52	0.128	-.0042782	.0340715
diaward_tsd	-.0007093	.0002439	-2.91	0.004	-.0011874	-.0002312
epeb4twp_flag	.2942507	.0888019	3.31	0.001	.1202021	.4682993
ldwb4twp_flag	.3482274	.0644845	5.40	0.000	.2218402	.4746146

ldwb4epe_flag	.261927	.0224506	11.67	0.000	.2179246	.3059294
twpb4tsd	-.0536386	.0030487	-17.59	0.000	-.0596139	-.0476633
eped4tsd	-.0532151	.0043175	-12.33	0.000	-.0616773	-.0447529
ldwb4tsd	-.0328465	.0056538	-5.81	0.000	-.0439278	-.0217651
st_AL	-.0167496	.0159668	-1.05	0.294	-.048044	.0145449
st_AR	.0145918	.0322709	0.45	0.651	-.048658	.0778416
st_AZ	-.001487	.0254143	-0.06	0.953	-.0512981	.0483242
st_CA	.0116302	.0156441	0.74	0.457	-.0190317	.0422921
st_CO	.0550628	.0349635	1.57	0.115	-.0134644	.12359
st_CT	.0722546	.026319	2.75	0.006	.0206703	.1238389
st_DC	.0249604	.0619825	0.40	0.687	-.0965231	.1464439
st_DE	-.0803564	.0474957	-1.69	0.091	-.1734462	.0127335
st_FL	-.0211297	.0198768	-1.06	0.288	-.0600876	.0178281
st_GA	-.01467	.0252449	-0.58	0.561	-.0641491	.034809
st_HI	.005742	.0178703	0.32	0.748	-.0292831	.0407671
st_IA	.0402309	.0347789	1.16	0.247	-.0279345	.1083963
st_ID	-.0010115	.0173919	-0.06	0.954	-.035099	.033076
st_IL	.0184151	.0232893	0.79	0.429	-.0272311	.0640614
st_IN	-.0214541	.0264418	-0.81	0.417	-.0732791	.0303708
st_KS	.1088934	.0328492	3.31	0.001	.0445101	.1732767
st_KY	-.0267766	.0244338	-1.10	0.273	-.0746659	.0211127
st_LA	.0318455	.0282206	1.13	0.259	-.0234658	.0871568
st_MA	.0203783	.0216485	0.94	0.347	-.022052	.0628086
st_MD	-.0064331	.0161057	-0.40	0.690	-.0379996	.0251334
st_ME	.0094815	.0166788	0.57	0.570	-.0232084	.0421714
st_MI	.0174573	.0201603	0.87	0.387	-.0220562	.0569708
st_MN	.0029967	.0160843	0.19	0.852	-.0285279	.0345213
st_MO	.0213464	.0220119	0.97	0.332	-.0217962	.0644889
st_MS	-.0368429	.0236653	-1.56	0.120	-.083226	.0095402
st_MT	-.00465	.057909	-0.08	0.936	-.1181496	.1088496
st_NC	-.0190616	.0158047	-1.21	0.228	-.0500383	.0119151
st_ND	-.0755318	.0937349	-0.81	0.420	-.2592487	.1081852
st_NE	.004525	.0171109	0.26	0.791	-.0290119	.0380618
st_NH	.027608	.0360377	0.77	0.444	-.0430245	.0982406
st_NJ	-.0052628	.0215029	-0.24	0.807	-.0474077	.0368821
st_NM	-.0125444	.0392182	-0.32	0.749	-.0894107	.0643218
st_NV	-.0111189	.0323846	-0.34	0.731	-.0745916	.0523537
st_NY	.0336352	.0189478	1.78	0.076	-.0035018	.0707723
st_OH	-.0125229	.0158126	-0.79	0.428	-.0435149	.0184692
st_OK	.0224392	.0388806	0.58	0.564	-.0537653	.0986437
st_OR	.0366369	.030502	1.20	0.230	-.0231459	.0964196
st_PA	.0011461	.0157646	0.07	0.942	-.029752	.0320442
st_PR	-.0440979	.0159235	-2.77	0.006	-.0753073	-.0128884
st_RI	.0141081	.0172046	0.82	0.412	-.0196123	.0478286
st_SC	-.0564089	.0233735	-2.41	0.016	-.1022202	-.0105977
st_SD	-.0148412	.0885848	-0.17	0.867	-.1884642	.1587819
st_TN	-.0462746	.0235117	-1.97	0.049	-.0923567	-.0001924
st_TX	-.0056561	.0157396	-0.36	0.719	-.0365052	.0251931
st_UT	-.005331	.0171764	-0.31	0.756	-.0389962	.0283342
st_VA	.0148023	.0241941	0.61	0.541	-.0326172	.0622218
st_VT	-.0478704	.0579113	-0.83	0.408	-.1613746	.0656337
st_WA	.008529	.0160178	0.53	0.594	-.0228653	.0399232
st_WI	.0100429	.0257036	0.39	0.696	-.0403352	.0604209
st_WV	-.0070257	.0164045	-0.43	0.668	-.039178	.0251265
st_WY	.0053773	.0216043	0.25	0.803	-.0369663	.0477209
pial	.0000424	9.27e-06	4.57	0.000	.0000242	.0000605
pia_miss	.0409745	.0093704	4.37	0.000	.0226089	.0593402
imel	-.0000116	3.04e-06	-3.81	0.000	-.0000176	-5.63e-06
ime_miss	-.0474124	.0047415	-10.00	0.000	-.0567056	-.0381192
_cons	.3531531	.0211102	16.73	0.000	.3117778	.3945285

twproll48						
mototkt	-.0002896	.0002935	-0.99	0.324	-.0008648	.0002856

male	-.0003304	.0017109	-0.19	0.847	-.0036837	.0030229
gendermiss_flag	-.0802714	.1236675	-0.65	0.516	-.3226553	.1621126
tsd_age	-.0037633	.0002101	-17.92	0.000	-.004175	-.0033516
doage2	.0003721	.0001869	1.99	0.046	5.77e-06	.0007384
doage2miss_flag	.1125164	.2765696	0.41	0.684	-.42955	.6545828
race_a	-.0085065	.0054768	-1.55	0.120	-.0192408	.0022278
race_b	.0159108	.0024033	6.62	0.000	.0112004	.0206212
race_h	.0001941	.0030131	0.06	0.949	-.0057115	.0060997
race_i	.0009876	.0111031	0.09	0.929	-.020774	.0227493
race_o	.0149344	.0081985	1.82	0.069	-.0011344	.0310033
race_mis	-.0147783	.0064269	-2.30	0.021	-.0273748	-.01841818
tsd_edu_hs	.0095709	.0025536	3.75	0.000	.0045659	.0145759
tsd_edu_mrhs	.0284628	.0029289	9.72	0.000	.0227222	.0342034
tsd_edu_mis	.0068548	.0028457	2.41	0.016	.0012773	.0124323
tsd_mie_exp	.0270376	.0053124	5.09	0.000	.0166254	.0374497
tsd_mie_mis	.0006065	.002942	0.21	0.837	-.0051596	.0063727
tsd_mie_psbl	.0117296	.0023033	5.09	0.000	.0072153	.0162439
tsd_medicare	-.024315	.0030003	-8.10	0.000	-.0301954	-.0184346
tsd_medicare_miss	-.0681454	.0104226	-6.54	0.000	-.0885732	-.0477175
tsd_depend_1	-.0047761	.0024279	-1.97	0.049	-.0095346	-.0000175
tsd_depend_2	.0026921	.0021466	1.25	0.210	-.0015151	.0068993
tsd_depend_miss	-.0291289	.007654	-3.81	0.000	-.0441305	-.0141274
tsd_vrpr	-.0886995	.0048454	-18.31	0.000	-.0981963	-.0792027
tsd_vrpr_miss	-.1451475	.0046016	-31.54	0.000	-.1541666	-.1361285
pdcgrou2	-.0291606	.002744	-10.63	0.000	-.0345387	-.0237825
pdcgrou3	-.0177265	.0032006	-5.54	0.000	-.0239996	-.0114533
pdcgrou4	-.0236465	.0024034	-9.84	0.000	-.0283572	-.0189359
pdcgrou5	-.0236414	.0250326	-0.94	0.345	-.0727044	.0254215
cohort2000	-.0117653	.0041065	-2.87	0.004	-.019814	-.0037167
cohort2001	-.0166363	.0063081	-2.64	0.008	-.0289998	-.0042727
cohort2002	-.0210595	.0089365	-2.36	0.018	-.0385747	-.0035443
cohort2003	-.0279031	.011767	-2.37	0.018	-.0509661	-.0048402
cohort2004	.0526832	.0196613	2.68	0.007	.0141477	.0912186
award_b4_tsd	.0071749	.0103479	0.69	0.488	-.0131066	.0274563
diaward_tsd	-.0007216	.000258	-2.80	0.005	-.0012273	-.0002159
epeb4twp_flag	.3392354	.0939268	3.61	0.000	.1551423	.5233285
ldwb4twp_flag	.6441713	.0682059	9.44	0.000	.5104901	.7778524
ldwb4epe_flag	.2790412	.0237463	11.75	0.000	.2324994	.525583
twpb4tsd	-.0659647	.0032246	-20.46	0.000	-.0722849	-.0596446
epeb4tsd	-.0594721	.0045667	-13.02	0.000	-.0684227	-.0505215
ldwb4tsd	-.0372453	.0059801	-6.23	0.000	-.0489661	-.0255244
st_AL	-.0163414	.0168883	-0.97	0.333	-.0494419	.0167591
st_AR	.0208265	.0341333	0.61	0.542	-.0460735	.0877265
st_AZ	.0337865	.026881	1.26	0.209	-.0188993	.0864723
st_CA	.0180069	.0165469	1.09	0.276	-.0144245	.0504383
st_CO	.050617	.0369813	1.37	0.171	-.021865	.123099
st_CT	.0940346	.0278379	3.38	0.001	.0394733	.1485958
st_DC	.021439	.0655596	0.33	0.744	-.1070555	.1499334
st_DE	-.058069	.0502367	-1.16	0.248	-.1565312	.0403932
st_FL	.0118792	.0210239	0.57	0.572	-.029327	.0530853
st_GA	-.0024899	.0267018	-0.09	0.926	-.0548244	.0498446
st_HI	.0153698	.0189016	0.81	0.416	-.0216767	.0524163
st_IA	.0493192	.036786	1.34	0.180	-.0227801	.1214185
st_ID	.0017812	.0183956	0.10	0.923	-.0342735	.037836
st_IL	.0523763	.0246334	2.13	0.033	.0040958	.1006569
st_IN	-.0002199	.0279678	-0.01	0.994	-.0550357	.0545959
st_KS	.1272375	.034745	3.66	0.000	.0591386	.1953364
st_KY	-.0282498	.0258439	-1.09	0.274	-.0789028	.0224032
st_LA	.0514937	.0298492	1.73	0.085	-.0070097	.1099971
st_MA	.0666076	.0228979	2.91	0.004	.0217286	.1114866
st_MD	-.0072611	.0170351	-0.43	0.670	-.0406494	.0261271
st_ME	.0168115	.0176414	0.95	0.341	-.017765	.051388
st_MI	.0286269	.0213238	1.34	0.179	-.013167	.0704208

st_MN	.0085575	.0170125	0.50	0.615	-.0247864	.0419015
st_MO	.0509471	.0232822	2.19	0.029	.0053148	.0965795
st_MS	-.0295544	.025031	-1.18	0.238	-.0786144	.0195055
st_MT	-.010057	.061251	-0.16	0.870	-.1301067	.1099928
st_NC	-.0170329	.0167168	-1.02	0.308	-.0497973	.0157315
st_ND	-.0788911	.0991444	-0.80	0.426	-.2732106	.1154284
st_NE	.0135158	.0180984	0.75	0.455	-.0219564	.0489881
st_NH	.0525804	.0381175	1.38	0.168	-.0221285	.1272892
st_NJ	.0060637	.0227438	0.27	0.790	-.0385134	.0506408
st_NM	.0029627	.0414815	0.07	0.943	-.0783396	.0842649
st_NV	-.0164398	.0342536	-0.48	0.631	-.0835756	.0506959
st_NY	.0521078	.0200413	2.60	0.009	.0128276	.0913881
st_OH	-.009252	.0167251	-0.55	0.580	-.0420327	.0235286
st_OK	.0543085	.0411244	1.32	0.187	-.0262938	.1349109
st_OR	.0820469	.0322623	2.54	0.011	.018814	.1452798
st_PA	.0079985	.0166744	0.48	0.631	-.0246828	.0406797
st_PR	-.0455208	.0168424	-2.70	0.007	-.0785314	-.0125103
st_RI	.0233238	.0181975	1.28	0.200	-.0123427	.0589903
st_SC	-.0583689	.0247224	-2.36	0.018	-.106824	-.0099138
st_SD	-.0221835	.0936971	-0.24	0.813	-.2058266	.1614595
st_TN	-.043055	.0248686	-1.73	0.083	-.0917966	.0056866
st_TX	-.00185	.016648	-0.11	0.912	-.0344795	.0307794
st_UT	.0023531	.0181677	0.13	0.897	-.033255	.0379611
st_VA	.0195588	.0255903	0.76	0.445	-.0305973	.0697149
st_VT	-.0539047	.0612535	-0.88	0.379	-.1739593	.0661499
st_WA	.0178326	.0169422	1.05	0.293	-.0153735	.0510386
st_WI	.0238266	.0271869	0.88	0.381	-.0294589	.077112
st_WV	-.0063613	.0173512	-0.37	0.714	-.0403691	.0276465
st_WY	.0005404	.0228511	0.02	0.981	-.0442469	.0453276
pial	.0000464	9.81e-06	4.73	0.000	.0000271	.0000656
pia_miss	.0407078	.0099112	4.11	0.000	.0212822	.0601334
ime1	-.0000128	3.22e-06	-3.98	0.000	-.0000191	-6.49e-06
ime_miss	-.0525436	.0050152	-10.48	0.000	-.0623731	-.0427141
_cons	.3913009	.0223285	17.52	0.000	.3475377	.435064

Endogenous variables: twproll12 twproll24 twproll36 twproll48 mototkt
Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
race_a race_b race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
epb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epb4tsd ldwb4tsd
st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
st_WI st_WV st_WY pial pia_miss ime1 ime_miss imm21 imm23 imm24 imm25
imm26 imm27 imm28 imm29 imm30

$$(1) \quad 12*[twproll12]mototkt + 12*[twproll24]mototkt = 0$$

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.001652	.0049007	-0.34	0.736	-.0112572	.0079532

$$(1) \quad 12*[twproll12]mototkt + 12*[twproll24]mototkt + 12*[twproll36]mototkt = 0$$

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
--	-------	-----------	---	------	----------------------	--

```
-----+-----
(1) | -.0063566 .0078709 -0.81 0.419 -.0217833 .00907
-----+-----
```

(1) 12*[twproll12]mototkt + 12*[twproll24]mototkt + 12*[twproll36]mototkt + 12*[twproll48]mototkt = 0

```
-----+-----
| Coef. Std. Err. z P>|z| [95% Conf. Interval]
-----+-----
(1) | -.0098319 .0110691 -0.89 0.374 -.0315269 .0118631
-----+-----
```

phase 3 dependent variable: srvroll, unemployment: nounemp

Three-stage least-squares regression

```
-----+-----
Equation      Obs   Parns      RMSE    "R-sq"    chi2      P
-----+-----
srvroll12    1.1e+05   97   .1329216   0.2940   47678.33   0.0000
srvroll24    1.1e+05   97   .1463414   0.4502   93865.27   0.0000
srvroll36    1.1e+05   97   .1478776   0.5504  140354.13   0.0000
srvroll48    1.1e+05   97   .1548952   0.5516  141046.46   0.0000
-----+-----
```

```
-----+-----
| Coef. Std. Err. z P>|z| [95% Conf. Interval]
-----+-----
srvroll12
  mototkt | -.0006595 .0001411 -4.67 0.000 -.0009361 -.0003829
  male | .0008294 .0008226 1.01 0.313 -.0007829 .0024416
gendermiss_flag | .189453 .0594593 3.19 0.001 .072915 .3059911
  tsd_age | -.0002007 .000101 -1.99 0.047 -.0003986 -2.76e-06
  doage2 | -.0000377 .0000899 -0.42 0.675 -.0002138 .0001384
doage2miss_flag | .0000101 .1329745 0.00 1.000 -.2606151 .2606353
  race_a | -.0006304 .0026332 -0.24 0.811 -.0057914 .0045307
  race_b | .0022912 .0011555 1.98 0.047 .0000265 .004556
  race_h | -.0006967 .0014487 -0.48 0.631 -.0035361 .0021427
  race_i | -.0066131 .0053384 -1.24 0.215 -.0170761 .0038499
  race_o | -.0030189 .0039419 -0.77 0.444 -.0107448 .004707
  race_mis | -.001622 .0030901 -0.52 0.600 -.0076784 .0044344
  tsd_edu_hs | .0015619 .0012278 1.27 0.203 -.0008445 .0039683
  tsd_edu_mrhs | .0072123 .0014082 5.12 0.000 .0044523 .0099724
  tsd_edu_mis | .0022335 .0013682 1.63 0.103 -.0004482 .0049152
  tsd_mie_exp | .0006366 .0025542 0.25 0.803 -.0043695 .0056427
  tsd_mie_mis | -.0000156 .0014145 -0.01 0.991 -.002788 .0027567
  tsd_mie_psbl | .0011421 .0011074 1.03 0.302 -.0010284 .0033126
  tsd_medicare | -.002464 .0014425 -1.71 0.088 -.0052913 .0003633
tsd_medicare_miss | -.0064139 .0050112 -1.28 0.201 -.0162356 .0034078
  tsd_depend_1 | -.000669 .0011673 -0.57 0.567 -.0029569 .0016189
  tsd_depend_2 | -.0016919 .0010321 -1.64 0.101 -.0037147 .0003309
  tsd_depend_miss | -.0037365 .00368 -1.02 0.310 -.0109492 .0034763
  tsd_vrpr | -.4525161 .0023297 -194.24 0.000 -.4570821 -.44795
  tsd_vrpr_miss | -.476169 .0022125 -215.22 0.000 -.4805053 -.4718326
  pdcgroup2 | -.0020228 .0013193 -1.53 0.125 -.0046086 .000563
  pdcgroup3 | -.0009178 .0015389 -0.60 0.551 -.0039339 .0020983
  pdcgroup4 | .000696 .0011556 0.60 0.547 -.0015689 .0029608
  pdcgroup5 | -.0050424 .0120356 -0.42 0.675 -.0286319 .018547
  cohort2000 | -.0011348 .0019744 -0.57 0.565 -.0050046 .002735
  cohort2001 | -.0004755 .0030329 -0.16 0.875 -.0064199 .0054689
  cohort2002 | -.0025504 .0042967 -0.59 0.553 -.0109717 .0058709
  cohort2003 | -.0014595 .0056576 -0.26 0.796 -.0125481 .0096292
-----+-----
```

cohort2004	-.0132828	.0094531	-1.41	0.160	-.0318106	.005245
award_b4_tsd	-.0020399	.0049752	-0.41	0.682	-.0117912	.0077114
diaward_tsd	-.0000821	.0001241	-0.66	0.508	-.0003253	.000161
epeb4twp_flag	-.0715759	.0451599	-1.58	0.113	-.1600878	.016936
ldwb4twp_flag	.009223	.0327934	0.28	0.779	-.0550508	.0734968
ldwb4epe_flag	-.0019573	.0114172	-0.17	0.864	-.0243345	.02042
twpb4tsd	.0029614	.0015504	1.91	0.056	-.0000773	.0060001
epeb4tsd	.0054873	.0021957	2.50	0.012	.0011838	.0097907
ldwb4tsd	-.0078264	.0028752	-2.72	0.006	-.0134618	-.0021911
st_AL	.0103421	.0081199	1.27	0.203	-.0055726	.0262568
st_AR	-.0041784	.0164113	-0.25	0.799	-.0363439	.0279871
st_AZ	.015317	.0129244	1.19	0.236	-.0100144	.0406483
st_CA	.0067999	.0079558	0.85	0.393	-.0087931	.0223929
st_CO	.0235132	.0177806	1.32	0.186	-.0113361	.0583625
st_CT	.0025479	.0133844	0.19	0.849	-.0236851	.028781
st_DC	-.0120723	.031521	-0.38	0.702	-.0738524	.0497078
st_DE	.0099744	.0241538	0.41	0.680	-.0373662	.057315
st_FL	-.006396	.0101083	-0.63	0.527	-.0262079	.0134158
st_GA	-.0108178	.0128382	-0.84	0.399	-.0359802	.0143446
st_HI	.0011816	.0090879	0.13	0.897	-.0166304	.0189935
st_IA	-.0128344	.0176867	-0.73	0.468	-.0474997	.0218309
st_ID	.0131469	.0088446	1.49	0.137	-.0041882	.030482
st_IL	.006025	.0118437	0.51	0.611	-.0171883	.0292382
st_IN	.0002321	.0134469	0.02	0.986	-.0261234	.0265875
st_KS	.0016556	.0167054	0.10	0.921	-.0310863	.0343975
st_KY	-.0064848	.0124257	-0.52	0.602	-.0308388	.0178691
st_LA	-.0087923	.0143515	-0.61	0.540	-.0369207	.0193361
st_MA	.0052412	.0110093	0.48	0.634	-.0163366	.0268189
st_MD	.0043945	.0081905	0.54	0.592	-.0116586	.0204475
st_ME	.0152111	.008482	1.79	0.073	-.0014133	.0318355
st_MI	-.0016297	.0102525	-0.16	0.874	-.0217242	.0184647
st_MN	.0062928	.0081796	0.77	0.442	-.009739	.0223245
st_MO	.0016726	.0111941	0.15	0.881	-.0202674	.0236126
st_MS	-.0079789	.0120349	-0.66	0.507	-.0315669	.0156091
st_MT	.0168865	.0294495	0.57	0.566	-.0408333	.0746064
st_NC	.0016573	.0080374	0.21	0.837	-.0140958	.0174104
st_ND	-.0122851	.0476686	-0.26	0.797	-.1057138	.0811436
st_NE	.0127587	.0087017	1.47	0.143	-.0042964	.0298137
st_NH	-.0364337	.0183269	-1.99	0.047	-.0723536	-.0005137
st_NJ	-.0013432	.0109352	-0.12	0.902	-.0227759	.0200894
st_NM	.0118238	.0199443	0.59	0.553	-.0272663	.0509139
st_NV	-.0088821	.0164691	-0.54	0.590	-.041161	.0233967
st_NY	.0150572	.0096359	1.56	0.118	-.0038287	.0339431
st_OH	.0134681	.0080414	1.67	0.094	-.0022928	.029229
st_OK	-.0049481	.0197726	-0.25	0.802	-.0437017	.0338055
st_OR	.0199143	.0155117	1.28	0.199	-.010488	.0503166
st_PA	.009366	.008017	1.17	0.243	-.0063472	.0250791
st_PR	.0029259	.0080978	0.36	0.718	-.0129455	.0187974
st_RI	.0044751	.0087494	0.51	0.609	-.0126733	.0216235
st_SC	-.0144132	.0118865	-1.21	0.225	-.0377104	.008884
st_SD	-.0091697	.0450495	-0.20	0.839	-.0974652	.0791257
st_TN	.0091313	.0119568	0.76	0.445	-.0143036	.0325662
st_TX	.0058317	.0080043	0.73	0.466	-.0098565	.0215199
st_UT	.0148832	.008735	1.70	0.088	-.0022372	.0320035
st_VA	-.0030885	.0123038	-0.25	0.802	-.0272035	.0210266
st_VT	-.0271807	.0294506	-0.92	0.356	-.0849029	.0305414
st_WA	.0109405	.0081458	1.34	0.179	-.0050249	.026906
st_WI	.0017136	.0130715	0.13	0.896	-.023906	.0273332
st_WV	.0077846	.0083425	0.93	0.351	-.0085663	.0241355
st_WY	.0044613	.0109868	0.41	0.685	-.0170724	.0259949
pial	5.95e-06	4.72e-06	1.26	0.207	-3.30e-06	.0000152
pia_miss	.0036854	.0047653	0.77	0.439	-.0056544	.0130252
ime1	-1.71e-06	1.55e-06	-1.10	0.270	-4.74e-06	1.33e-06

ime_miss	-.0028011	.0024113	-1.16	0.245	-.0075271	.001925
_cons	.4864649	.0107355	45.31	0.000	.4654236	.5075062

srvroll24						
mototkt	-.0001975	.0001554	-1.27	0.204	-.000502	.000107
male	.0021385	.0009057	2.36	0.018	.0003634	.0039135
gendermiss_flag	.1850951	.0654623	2.83	0.005	.0567914	.3133989
tsd_age	-.0005249	.0001112	-4.72	0.000	-.0007428	-.000307
doage2	.0000321	.0000989	0.32	0.746	-.0001618	.000226
doage2miss_flag	-.0032748	.1463996	-0.02	0.982	-.2902127	.2836631
race_a	-.0021316	.0028991	-0.74	0.462	-.0078137	.0035505
race_b	.0023819	.0012722	1.87	0.061	-.0001115	.0048753
race_h	.00072	.001595	0.45	0.652	-.0024061	.0038461
race_i	-.0062342	.0058773	-1.06	0.289	-.0177535	.0052851
race_o	-.0004184	.0043398	-0.10	0.923	-.0089243	.0080875
race_mis	-.0058709	.003402	-1.73	0.084	-.0125388	.0007969
tsd_edu_hs	.0045127	.0013517	3.34	0.001	.0018633	.007162
tsd_edu_mrhs	.0119474	.0015504	7.71	0.000	.0089086	.0149861
tsd_edu_mis	.0053571	.0015064	3.56	0.000	.0024046	.0083095
tsd_mie_exp	-.0026693	.0028121	-0.95	0.343	-.0081809	.0028423
tsd_mie_mis	-.0028815	.0015573	-1.85	0.064	-.0059337	.0001708
tsd_mie_psbl	-.0027322	.0012192	-2.24	0.025	-.0051218	-.0003426
tsd_medicare	-.0028565	.0015882	-1.80	0.072	-.0059692	.0002563
tsd_medicare_miss	-.0120713	.0055171	-2.19	0.029	-.0228846	-.001258
tsd_depend_1	-.0026465	.0012852	-2.06	0.039	-.0051653	-.0001276
tsd_depend_2	-.0018474	.0011363	-1.63	0.104	-.0040745	.0003796
tsd_depend_miss	-.0041558	.0040516	-1.03	0.305	-.0120967	.0037851
tsd_vrpr	-.7011545	.0025649	-273.37	0.000	-.7061815	-.6961274
tsd_vrpr_miss	-.7359103	.0024358	-302.12	0.000	-.7406845	-.7311362
pdcgrou2	-.0036601	.0014525	-2.52	0.012	-.006507	-.0008133
pdcgrou3	-.0043703	.0016942	-2.58	0.010	-.0076909	-.0010496
pdcgrou4	-.0016996	.0012722	-1.34	0.182	-.0041931	.0007939
pdcgrou5	.0002985	.0132508	0.02	0.982	-.0256725	.0262695
cohort2000	-.0003214	.0021738	-0.15	0.882	-.0045819	.0039391
cohort2001	1.43e-06	.0033391	0.00	1.000	-.0065431	.006546
cohort2002	-.001569	.0047305	-0.33	0.740	-.0108405	.0077025
cohort2003	-.0008562	.0062288	-0.14	0.891	-.0130644	.011352
cohort2004	-.007645	.0104075	-0.73	0.463	-.0280434	.0127534
award_b4_tsd	-.0045357	.0054776	-0.83	0.408	-.0152715	.0062001
diaward_tsd	-.0001431	.0001366	-1.05	0.295	-.0004107	.0001246
epeb4twp_flag	-.1086756	.0497193	-2.19	0.029	-.2061237	-.0112276
ldwb4twp_flag	.0130522	.0361042	0.36	0.718	-.0577107	.0838151
ldwb4epe_flag	.0021885	.0125699	0.17	0.862	-.022448	.026825
twpb4tsd	.0017995	.0017069	1.05	0.292	-.001546	.005145
epeb4tsd	.0057225	.0024173	2.37	0.018	.0009846	.0104604
ldwb4tsd	-.0100428	.0031655	-3.17	0.002	-.0162471	-.0038385
st_AL	.0123186	.0089397	1.38	0.168	-.0052028	.02984
st_AR	.0085469	.0180681	0.47	0.636	-.026866	.0439598
st_AZ	.0379232	.0142292	2.67	0.008	.0100345	.065812
st_CA	.0081911	.008759	0.94	0.350	-.0089761	.0253584
st_CO	.0179389	.0195757	0.92	0.359	-.0204287	.0563066
st_CT	.0014226	.0147357	0.10	0.923	-.0274589	.0303041
st_DC	-.018989	.0347034	-0.55	0.584	-.0870063	.0490284
st_DE	.0102882	.0265924	0.39	0.699	-.0418319	.0624082
st_FL	-.0017524	.0111288	-0.16	0.875	-.0235645	.0200597
st_GA	.0039188	.0141343	0.28	0.782	-.023784	.0316216
st_HI	-.0066806	.0100054	-0.67	0.504	-.0262908	.0129296
st_IA	-.0220156	.0194724	-1.13	0.258	-.0601807	.0161496
st_ID	.0122366	.0097376	1.26	0.209	-.0068486	.0313219
st_IL	.0216272	.0130395	1.66	0.097	-.0039297	.0471841
st_IN	-.0032757	.0148045	-0.22	0.825	-.0322919	.0257406
st_KS	.0125117	.0183919	0.68	0.496	-.0235358	.0485592
st_KY	-.0125391	.0136802	-0.92	0.359	-.0393518	.0142736

st_LA	.0164621	.0158004	1.04	0.297	-.0145062	.0474303
st_MA	.007782	.0121208	0.64	0.521	-.0159743	.0315383
st_MD	.005436	.0090174	0.60	0.547	-.0122378	.0231097
st_ME	.0127182	.0093383	1.36	0.173	-.0055846	.031021
st_MI	.0077352	.0112876	0.69	0.493	-.014388	.0298584
st_MN	.0076471	.0090054	0.85	0.396	-.0100032	.0252974
st_MO	.016152	.0123242	1.31	0.190	-.0080031	.040307
st_MS	-.0002141	.01325	-0.02	0.987	-.0261836	.0257553
st_MT	.0209453	.0324227	0.65	0.518	-.042602	.0844926
st_NC	-.0029665	.0088489	-0.34	0.737	-.02031	.014377
st_ND	-.0210476	.0524812	-0.40	0.688	-.1239089	.0818136
st_NE	.0105217	.0095802	1.10	0.272	-.0082553	.0292986
st_NH	-.0119661	.0201771	-0.59	0.553	-.0515125	.0275804
st_NJ	.0036675	.0120392	0.30	0.761	-.019929	.027264
st_NM	.005588	.0219579	0.25	0.799	-.0374486	.0486246
st_NV	-.0100474	.0181318	-0.55	0.579	-.0455851	.0254903
st_NY	.0215555	.0106087	2.03	0.042	.0007629	.0423482
st_OH	.0105311	.0088533	1.19	0.234	-.0068211	.0278832
st_OK	.02681	.0217688	1.23	0.218	-.0158561	.0694762
st_OR	.0368931	.0170777	2.16	0.031	.0034214	.0703648
st_PA	.006866	.0088264	0.78	0.437	-.0104335	.0241655
st_PR	-.0023836	.0089154	-0.27	0.789	-.0198574	.0150902
st_RI	-.0028666	.0096327	-0.30	0.766	-.0217464	.0160131
st_SC	-.0131695	.0130866	-1.01	0.314	-.0388187	.0124798
st_SD	-.0174102	.0495977	-0.35	0.726	-.11462	.0797995
st_TN	.0380323	.013164	2.89	0.004	.0122313	.0638332
st_TX	.0016841	.0088125	0.19	0.848	-.015588	.0189562
st_UT	.0204401	.0096169	2.13	0.034	.0015913	.0392889
st_VA	-.0063882	.013546	-0.47	0.637	-.0329379	.0201615
st_VT	-.0433162	.032424	-1.34	0.182	-.106866	.0202336
st_WA	.0091305	.0089682	1.02	0.309	-.0084469	.0267078
st_WI	.0278827	.0143912	1.94	0.053	-.0003234	.0560889
st_WV	.0044876	.0091847	0.49	0.625	-.0135141	.0224893
st_WY	-.0039081	.012096	-0.32	0.747	-.0276158	.0197997
pial	3.62e-06	5.19e-06	0.70	0.486	-6.56e-06	.0000138
pia_miss	-.0012551	.0052464	-0.24	0.811	-.0115378	.0090277
ime1	-9.97e-07	1.70e-06	-0.58	0.559	-4.34e-06	2.34e-06
ime_miss	-.0018827	.0026547	-0.71	0.478	-.0070858	.0033205
_cons	.7620141	.0118194	64.47	0.000	.7388485	.7851798

srvroll36

mototkt	-.0000903	.000157	-0.58	0.565	-.000398	.0002174
male	.0011643	.0009152	1.27	0.203	-.0006294	.002958
gendermiss_flag	.1817551	.0661495	2.75	0.006	.0521045	.3114056
tsd_age	-.0005802	.0001124	-5.16	0.000	-.0008005	-.00036
doage2	-7.08e-06	.0001	-0.07	0.944	-.000203	.0001889
doage2miss_flag	-.0110566	.1479364	-0.07	0.940	-.3010065	.2788934
race_a	-.0021703	.0029295	-0.74	0.459	-.007912	.0035715
race_b	.00379	.0012855	2.95	0.003	.0012704	.0063096
race_h	.0003607	.0016117	0.22	0.823	-.0027982	.0035196
race_i	-.0037549	.005939	-0.63	0.527	-.0153952	.0078853
race_o	-.0007465	.0043854	-0.17	0.865	-.0093417	.0078487
race_mis	-.0063279	.0034377	-1.84	0.066	-.0130658	.0004099
tsd_edu_hs	.0061702	.0013659	4.52	0.000	.0034931	.0088474
tsd_edu_mrhs	.0145526	.0015667	9.29	0.000	.011482	.0176233
tsd_edu_mis	.0066251	.0015222	4.35	0.000	.0036417	.0096085
tsd_mie_exp	-.0030017	.0028416	-1.06	0.291	-.0085711	.0025678
tsd_mie_mis	-.0036066	.0015736	-2.29	0.022	-.0066908	-.0005223
tsd_mie_psbl	-.0033838	.001232	-2.75	0.006	-.0057985	-.0009691
tsd_medicare	-.0017039	.0016048	-1.06	0.288	-.0048493	.0014415
tsd_medicare_miss	-.0155836	.005575	-2.80	0.005	-.0265104	-.0046568
tsd_depend_1	-.0024466	.0012987	-1.88	0.060	-.004992	.0000987
tsd_depend_2	-.0024533	.0011482	-2.14	0.033	-.0047037	-.0002028

tsd_depend_miss	-.0069457	.0040941	-1.70	0.090	-.01497	.0010786
tsd_vrpr	-.8664883	.0025918	-334.32	0.000	-.8715681	-.8614085
tsd_vrpr_miss	-.9090768	.0024614	-369.33	0.000	-.913901	-.9042525
pdcgrou2	-.0040981	.0014677	-2.79	0.005	-.0069748	-.0012213
pdcgrou3	-.0041223	.001712	-2.41	0.016	-.0074778	-.0007668
pdcgrou4	-.0010896	.0012856	-0.85	0.397	-.0036093	.0014301
pdcgrou5	-.0117039	.0133899	-0.87	0.382	-.0379476	.0145397
cohort2000	-.0031177	.0021966	-1.42	0.156	-.007423	.0011875
cohort2001	-.0032156	.0033742	-0.95	0.341	-.0098288	.0033977
cohort2002	-.0060236	.0047801	-1.26	0.208	-.0153925	.0033452
cohort2003	-.006512	.0062942	-1.03	0.301	-.0188483	.0058244
cohort2004	-.0031047	.0105168	-0.30	0.768	-.0237173	.0175078
award_b4_tsd	-.0061581	.005535	-1.11	0.266	-.0170066	.0046904
diaward_tsd	-.0003237	.000138	-2.35	0.019	-.0005942	-.0000532
epeb4twp_flag	-.1703326	.0502412	-3.39	0.001	-.2688036	-.0718617
ldwb4twp_flag	.0786434	.0364832	2.16	0.031	.0071377	.1501491
ldwb4epe_flag	.0192775	.0127018	1.52	0.129	-.0056176	.0441726
twpb4tsd	.0037851	.0017248	2.19	0.028	.0004045	.0071658
epeb4tsd	.0115471	.0024427	4.73	0.000	.0067594	.0163347
ldwb4tsd	-.0167952	.0031988	-5.25	0.000	-.0230647	-.0105258
st_AL	.0116172	.0090335	1.29	0.198	-.0060882	.0293225
st_AR	.0111841	.0182578	0.61	0.540	-.0246006	.0469687
st_AZ	.0448479	.0143786	3.12	0.002	.0166664	.0730294
st_CA	.0090151	.0088509	1.02	0.308	-.0083323	.0263626
st_CO	.0113797	.0197812	0.58	0.565	-.0273907	.0501501
st_CT	.0355165	.0148904	2.39	0.017	.0063318	.0647012
st_DC	-.0270224	.0350677	-0.77	0.441	-.0957537	.041709
st_DE	.0187078	.0268715	0.70	0.486	-.0339594	.0713749
st_FL	.0072371	.0112456	0.64	0.520	-.014804	.0292781
st_GA	.0152394	.0142827	1.07	0.286	-.0127542	.043233
st_HI	-.008522	.0101104	-0.84	0.399	-.028338	.0112941
st_IA	-.0025346	.0196768	-0.13	0.898	-.0411004	.0360311
st_ID	.0108355	.0098398	1.10	0.271	-.0084501	.0301211
st_IL	.0338844	.0131763	2.57	0.010	.0080593	.0597096
st_IN	.0161393	.0149599	1.08	0.281	-.0131816	.0454601
st_KS	.0011734	.018585	0.06	0.950	-.0352525	.0375993
st_KY	.0002106	.0138238	0.02	0.988	-.0268836	.0273047
st_LA	.0090751	.0159663	0.57	0.570	-.0222183	.0403684
st_MA	.024028	.012248	1.96	0.050	.0000223	.0480336
st_MD	.0067148	.009112	0.74	0.461	-.0111445	.0245741
st_ME	.0083818	.0094363	0.89	0.374	-.0101131	.0268767
st_MI	.011753	.011406	1.03	0.303	-.0106025	.0341084
st_MN	.010913	.0091	1.20	0.230	-.0069226	.0287486
st_MO	.0324065	.0124536	2.60	0.009	.0079979	.0568152
st_MS	.0085856	.013389	0.64	0.521	-.0176564	.0348277
st_MT	.035626	.032763	1.09	0.277	-.0285883	.0998403
st_NC	-.0087602	.0089418	-0.98	0.327	-.0262858	.0087653
st_ND	-.0288747	.0530321	-0.54	0.586	-.1328157	.0750663
st_NE	.0144095	.0096808	1.49	0.137	-.0045645	.0333835
st_NH	-.0291597	.0203889	-1.43	0.153	-.0691213	.0108019
st_NJ	.0037941	.0121656	0.31	0.755	-.0200501	.0276383
st_NM	.017669	.0221883	0.80	0.426	-.0258193	.0611574
st_NV	-.009016	.0183221	-0.49	0.623	-.0449267	.0268947
st_NY	.028573	.0107201	2.67	0.008	.0075621	.0495839
st_OH	.0102285	.0089462	1.14	0.253	-.0073058	.0277628
st_OK	.0205243	.0219973	0.93	0.351	-.0225897	.0636383
st_OR	.025926	.017257	1.50	0.133	-.0078971	.0597491
st_PA	.0043349	.0089191	0.49	0.627	-.0131463	.021816
st_PR	-.0035542	.009009	-0.39	0.693	-.0212115	.014103
st_RI	-.008308	.0097338	-0.85	0.393	-.0273859	.0107699
st_SC	-.0058214	.013224	-0.44	0.660	-.0317399	.0200971
st_SD	.0850955	.0501184	1.70	0.090	-.0131347	.1833257
st_TN	.0417365	.0133022	3.14	0.002	.0156647	.0678082

st_TX	-.0000509	.008905	-0.01	0.995	-.0175044	.0174025
st_UT	.0246915	.0097179	2.54	0.011	.0056448	.0437381
st_VA	-.0062504	.0136882	-0.46	0.648	-.0330788	.020578
st_VT	-.010952	.0327643	-0.33	0.738	-.0751689	.0532649
st_WA	.0032918	.0090623	0.36	0.716	-.0144701	.0210536
st_WI	.0238451	.0145422	1.64	0.101	-.0046572	.0523473
st_WV	-.0020293	.0092811	-0.22	0.827	-.0202199	.0161614
st_WY	-.009917	.012223	-0.81	0.417	-.0338736	.0140396
pial	-7.16e-06	5.25e-06	-1.36	0.173	-.0000174	3.13e-06
pia_miss	-.0056197	.0053015	-1.06	0.289	-.0160104	.004771
ime1	1.68e-06	1.72e-06	0.97	0.330	-1.70e-06	5.05e-06
ime_miss	-.0007325	.0026826	-0.27	0.785	-.0059903	.0045253
_cons	.9526408	.0119435	79.76	0.000	.929232	.9760496

srvroll48						
mototkt	-.0000611	.0001644	-0.37	0.710	-.0003834	.0002612
male	.0012303	.0009586	1.28	0.199	-.0006485	.0031091
gendermiss_flag	.1795015	.0692886	2.59	0.010	.0436983	.3153047
tsd_age	-.0005657	.0001177	-4.81	0.000	-.0007964	-.0003351
doage2	-.0001519	.0001047	-1.45	0.147	-.0003571	.0000534
doage2miss_flag	-.0105148	.1549567	-0.07	0.946	-.3142244	.2931948
race_a	-.0028078	.0030685	-0.92	0.360	-.008822	.0032065
race_b	.0037902	.0013465	2.81	0.005	.0011511	.0064293
race_h	-.0004248	.0016882	-0.25	0.801	-.0037336	.002884
race_i	-.0050815	.0062208	-0.82	0.414	-.0172742	.0071111
race_o	-.0020461	.0045935	-0.45	0.656	-.0110492	.006957
race_mis	-.0073035	.0036009	-2.03	0.043	-.0143611	-.0002459
tsd_edu_hs	.0071647	.0014307	5.01	0.000	.0043605	.0099689
tsd_edu_mrhs	.0165776	.001641	10.10	0.000	.0133612	.0197939
tsd_edu_mis	.0078167	.0015944	4.90	0.000	.0046917	.0109417
tsd_mie_exp	-.0012825	.0029764	-0.43	0.667	-.0071162	.0045512
tsd_mie_mis	-.0031328	.0016483	-1.90	0.057	-.0063635	.0000979
tsd_mie_psbl	-.0026663	.0012905	-2.07	0.039	-.0051956	-.000137
tsd_medicare	-.0034439	.001681	-2.05	0.040	-.0067385	-.0001492
tsd_medicare_miss	-.0163312	.0058396	-2.80	0.005	-.0277766	-.0048859
tsd_depend_1	-.002119	.0013603	-1.56	0.119	-.0047851	.0005471
tsd_depend_2	-.0027426	.0012027	-2.28	0.023	-.0050998	-.0003854
tsd_depend_miss	-.0067004	.0042884	-1.56	0.118	-.0151055	.0017047
tsd_vrpr	-.9061657	.0027148	-333.79	0.000	-.9114865	-.9008448
tsd_vrpr_miss	-.9533672	.0025782	-369.78	0.000	-.9584204	-.948314
pdcgrou2	-.0040014	.0015374	-2.60	0.009	-.0070146	-.0009881
pdcgrou3	-.0040331	.0017933	-2.25	0.025	-.0075478	-.0005184
pdcgrou4	-.0015622	.0013466	-1.16	0.246	-.0042014	.0010771
pdcgrou5	-.0167947	.0140253	-1.20	0.231	-.0442838	.0106943
cohort2000	-.0027017	.0023008	-1.17	0.240	-.0072112	.0018078
cohort2001	-.0030587	.0035343	-0.87	0.387	-.0099857	.0038684
cohort2002	-.0062533	.005007	-1.25	0.212	-.0160667	.0035602
cohort2003	-.0079444	.0065928	-1.20	0.228	-.0208661	.0049774
cohort2004	-.004251	.0110159	-0.39	0.700	-.0258416	.0173397
award_b4_tsd	-.0088842	.0057977	-1.53	0.125	-.0202475	.0024792
diaward_tsd	-.0003874	.0001446	-2.68	0.007	-.0006708	-.0001041
epeb4twp_flag	-.067662	.0526254	-1.29	0.199	-.1708059	.0354819
ldwb4twp_flag	.0473107	.0382145	1.24	0.216	-.0275883	.1222098
ldwb4epe_flag	.0183064	.0133046	1.38	0.169	-.0077701	.0443829
twpb4tsd	.0039624	.0018067	2.19	0.028	.0004213	.0075034
epeb4tsd	.0142756	.0025586	5.58	0.000	.0092607	.0192904
ldwb4tsd	-.0189901	.0033506	-5.67	0.000	-.0255571	-.0124231
st_AL	.0154052	.0094622	1.63	0.104	-.0031404	.0339508
st_AR	.0115999	.0191242	0.61	0.544	-.0258829	.0490827
st_AZ	.0506729	.0150609	3.36	0.001	.021154	.0801918
st_CA	.0148754	.0092709	1.60	0.109	-.0032953	.0330461
st_CO	.0129516	.0207199	0.63	0.532	-.0276587	.0535619
st_CT	.0418603	.0155971	2.68	0.007	.0112906	.0724299

st_DC	-.0270311	.0367318	-0.74	0.462	-.0990241	.044962
st_DE	.0747158	.0281467	2.65	0.008	.0195493	.1298823
st_FL	.0226469	.0117793	1.92	0.055	-.0004401	.0457339
st_GA	.0212661	.0149605	1.42	0.155	-.0080559	.0505882
st_HI	-.0070237	.0105902	-0.66	0.507	-.0277801	.0137328
st_IA	.0120002	.0206105	0.58	0.560	-.0283957	.0523961
st_ID	.0134211	.0103067	1.30	0.193	-.0067798	.0336219
st_IL	.043229	.0138016	3.13	0.002	.0161783	.0702796
st_IN	.0223044	.0156698	1.42	0.155	-.0084079	.0530167
st_KS	.0376479	.019467	1.93	0.053	-.0005066	.0758024
st_KY	.0046912	.0144798	0.32	0.746	-.0236887	.0330712
st_LA	.0187664	.016724	1.12	0.262	-.014012	.0515448
st_MA	.0331066	.0128292	2.58	0.010	.0079618	.0582515
st_MD	.0091341	.0095445	0.96	0.339	-.0095727	.0278409
st_ME	.0110919	.0098841	1.12	0.262	-.0082807	.0304645
st_MI	.0190471	.0119473	1.59	0.111	-.0043692	.0424634
st_MN	.0196319	.0095318	2.06	0.039	.00095	.0383139
st_MO	.0321346	.0130446	2.46	0.014	.0065677	.0577016
st_MS	.022979	.0140244	1.64	0.101	-.0045083	.0504664
st_MT	.075523	.0343178	2.20	0.028	.0082613	.1427846
st_NC	-.0065213	.0093661	-0.70	0.486	-.0248785	.011836
st_ND	-.0289447	.0555488	-0.52	0.602	-.1378183	.0799288
st_NE	.0228167	.0101402	2.25	0.024	.0029422	.0426911
st_NH	-.0313327	.0213565	-1.47	0.142	-.0731906	.0105253
st_NJ	.0044134	.0127429	0.35	0.729	-.0205624	.0293891
st_NM	.0188987	.0232413	0.81	0.416	-.0266534	.0644509
st_NV	.0266474	.0191916	1.39	0.165	-.0109675	.0642623
st_NY	.0346287	.0112288	3.08	0.002	.0126207	.0566367
st_OH	.0172721	.0093708	1.84	0.065	-.0010942	.0356385
st_OK	.0218752	.0230412	0.95	0.342	-.0232848	.0670352
st_OR	.0459204	.0180759	2.54	0.011	.0104922	.0813485
st_PA	.0085618	.0093424	0.92	0.359	-.0097489	.0268725
st_PR	.0013261	.0094365	0.14	0.888	-.0171691	.0198213
st_RI	-.0041227	.0101957	-0.40	0.686	-.024106	.0158605
st_SC	.003216	.0138515	0.23	0.816	-.0239324	.0303645
st_SD	.0852685	.0524967	1.62	0.104	-.0176232	.1881602
st_TN	.0465102	.0139334	3.34	0.001	.0192012	.0738192
st_TX	.004585	.0093276	0.49	0.623	-.0136966	.0228667
st_UT	.0345727	.010179	3.40	0.001	.0146221	.0545232
st_VA	.0006934	.0143378	0.05	0.961	-.0274082	.0287949
st_VT	-.0116402	.0343192	-0.34	0.734	-.0789045	.0556241
st_WA	.0058086	.0094924	0.61	0.541	-.0127961	.0244133
st_WI	.0420351	.0152323	2.76	0.006	.0121803	.0718899
st_WV	.0014112	.0097216	0.15	0.885	-.0176427	.0204651
st_WY	-.0023191	.012803	-0.18	0.856	-.0274126	.0227743
pial	-.0000115	5.50e-06	-2.09	0.037	-.0000222	-6.96e-07
pia_miss	-.0131542	.0055531	-2.37	0.018	-.024038	-.0022705
ime1	2.37e-06	1.80e-06	1.31	0.189	-1.17e-06	5.91e-06
ime_miss	.0009267	.0028099	0.33	0.742	-.0045806	.006434
_cons	1.002684	.0125103	80.15	0.000	.9781642	1.027204

Endogenous variables: srvroll12 srvroll24 srvroll36 srvroll48 mototkt

Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag

 race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs

 tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare

 tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr

 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000

 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd

 epwb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epwb4tsd ldwb4tsd

 st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA

 st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO

 st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK

 st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA

st_WI st_WV st_WY pial pia_miss ime1 ime_miss imm21 imm23 imm24 imm25
 imm26 imm27 imm28 imm29 imm30

(1) 12*[srvroll12]mototkt + 12*[srvroll24]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0102842	.0032647	-3.15	0.002	-.0166829	-.0038855

(1) 12*[srvroll12]mototkt + 12*[srvroll24]mototkt + 12*[srvroll36]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0113676	.0048003	-2.37	0.018	-.020776	-.0019593

(1) 12*[srvroll12]mototkt + 12*[srvroll24]mototkt + 12*[srvroll36]mototkt +
 12*[srvroll48]mototkt = 0

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
(1)	-.0121009	.0064539	-1.87	0.061	-.0247503	.0005485

phase 3 dependent variable: nstw, unemployment: nounemp

Three-stage least-squares regression

Equation	Obs	Parms	RMSE	"R-sq"	chi2	P
nstw12	1.1e+05	97	1.117636	0.4184	82472.25	0.0000
nstw24	1.1e+05	97	2.519894	0.3599	64463.99	0.0000
nstw36	1.1e+05	97	4.184987	0.3103	51585.65	0.0000
nstw48	1.1e+05	97	6.051455	0.2727	42991.55	0.0000

	Coef.	Std. Err.	z	P> z	[95% Conf. Interval]	
nstw12						
mototkt	.000419	.0011865	0.35	0.724	-.0019065	.0027444
male	.0038887	.0069167	0.56	0.574	-.0096677	.0174451
gendermiss_flag	-.0743629	.4999474	-0.15	0.882	-1.054242	.9055161
tsd_age	-.0018389	.0008492	-2.17	0.030	-.0035033	-.0001746
doage2	-.0002992	.0007556	-0.40	0.692	-.0017801	.0011817
doage2miss_flag	3.60134	1.11808	3.22	0.001	1.409943	5.792737
race_a	-.0163586	.0221409	-0.74	0.460	-.0597539	.0270366
race_b	.0214415	.0097157	2.21	0.027	.002399	.0404839
race_h	.0461012	.012181	3.78	0.000	.0222268	.0699756
race_i	.0429661	.0448861	0.96	0.338	-.0450091	.1309413
race_o	.0068797	.033144	0.21	0.836	-.0580814	.0718408
race_mis	.0827393	.0259819	3.18	0.001	.0318157	.1336628
tsd_edu_hs	.0047203	.0103234	0.46	0.647	-.0155132	.0249538
tsd_edu_mrhs	.0238199	.0118407	2.01	0.044	.0006125	.0470273
tsd_edu_mis	.0293148	.0115043	2.55	0.011	.0067667	.0518628
tsd_mie_exp	-.0038201	.0214763	-0.18	0.859	-.0459129	.0382727
tsd_mie_mis	-.0248512	.0118934	-2.09	0.037	-.0481618	-.0015406

tsd_mie_psbl	-.0137125	.0093114	-1.47	0.141	-.0319625	.0045374
tsd_medicare	-.0344289	.0121291	-2.84	0.005	-.0582014	-.0106564
tsd_medicare_miss	-.0151998	.042135	-0.36	0.718	-.0977829	.0673833
tsd_depend_1	-.0325956	.0098151	-3.32	0.001	-.0518328	-.0133583
tsd_depend_2	-.0117613	.0086779	-1.36	0.175	-.0287696	.005247
tsd_depend_miss	.0865461	.0309426	2.80	0.005	.0258997	.1471925
tsd_vrpr	.0878014	.0195884	4.48	0.000	.0494088	.1261939
tsd_vrpr_miss	.1290838	.0186029	6.94	0.000	.0926227	.1655449
pdcgrou2	-.0115549	.011093	-1.04	0.298	-.0332968	.010187
pdcgrou3	.0394779	.0129392	3.05	0.002	.0141176	.0648382
pdcgrou4	.0237946	.0097162	2.45	0.014	.0047512	.0428381
pdcgrou5	-.0206977	.1011985	-0.20	0.838	-.219043	.1776477
cohort2000	.0344926	.0166014	2.08	0.038	.0019544	.0670308
cohort2001	.0984941	.0255014	3.86	0.000	.0485123	.148476
cohort2002	.0990962	.0361273	2.74	0.006	.0282879	.1699044
cohort2003	.0277857	.0475703	0.58	0.559	-.0654503	.1210218
cohort2004	.1135046	.0794842	1.43	0.153	-.0422816	.2692908
award_b4_tsd	-.0040942	.0418331	-0.10	0.922	-.0860855	.077897
diaward_tsd	-.0017666	.0010431	-1.69	0.090	-.0038109	.0002778
epeb4twp_flag	.0832495	.3797153	0.22	0.826	-.6609788	.8274778
ldwb4twp_flag	-1.776613	.2757342	-6.44	0.000	-2.317042	-1.236183
ldwb4epe_flag	1.031345	.0959984	10.74	0.000	.843192	1.219499
twpb4tsd	.8420922	.0130361	64.60	0.000	.8165419	.8676424
epeb4tsd	.4928822	.0184617	26.70	0.000	.4566978	.5290665
ldwb4tsd	5.075556	.0241757	209.94	0.000	5.028172	5.122939
st_AL	.025645	.0682739	0.38	0.707	-.1081694	.1594593
st_AR	-.1049853	.1379897	-0.76	0.447	-.3754401	.1654696
st_AZ	-.1722103	.1086712	-1.58	0.113	-.3852019	.0407812
st_CA	.0518628	.0668938	0.78	0.438	-.0792467	.1829724
st_CO	-.1228084	.1495032	-0.82	0.411	-.4158294	.1702125
st_CT	-.2291622	.1125395	-2.04	0.042	-.4497356	-.0085888
st_DC	-.046939	.265036	-0.18	0.859	-.5664001	.472522
st_DE	-.350462	.2030907	-1.73	0.084	-.7485124	.0475884
st_FL	-.1274891	.0849928	-1.50	0.134	-.294072	.0390938
st_GA	-.0087129	.1079465	-0.08	0.936	-.2202842	.2028583
st_HI	.0507124	.076413	0.66	0.507	-.0990543	.2004791
st_IA	-.1123067	.1487139	-0.76	0.450	-.4037807	.1791673
st_ID	.032477	.0743675	0.44	0.662	-.1132806	.1782346
st_IL	-.1068532	.0995847	-1.07	0.283	-.3020356	.0883292
st_IN	-.0281061	.1130645	-0.25	0.804	-.2497085	.1934963
st_KS	.0237474	.1404626	0.17	0.866	-.2515542	.299049
st_KY	.0179148	.1044783	0.17	0.864	-.1868588	.2226884
st_LA	-.133513	.1206707	-1.11	0.269	-.3700231	.1029972
st_MA	-.1358968	.0925686	-1.47	0.142	-.3173279	.0455343
st_MD	.0969235	.0688674	1.41	0.159	-.0380542	.2319012
st_ME	.0100497	.0713184	0.14	0.888	-.1297318	.1498313
st_MI	-.0986245	.0862051	-1.14	0.253	-.2675834	.0703345
st_MN	-.0239063	.0687761	-0.35	0.728	-.1587049	.1108923
st_MO	-.0818281	.0941225	-0.87	0.385	-.2663048	.1026486
st_MS	-.0981397	.1011923	-0.97	0.332	-.2964731	.1001936
st_MT	-.0808604	.2476178	-0.33	0.744	-.5661824	.4044616
st_NC	-.0003425	.0675807	-0.01	0.996	-.1327983	.1321132
st_ND	-.2427602	.4008085	-0.61	0.545	-1.02833	.54281
st_NE	-.0488129	.0731661	-0.67	0.505	-.1922157	.09459
st_NH	-.0717991	.1540964	-0.47	0.641	-.3738226	.2302243
st_NJ	-.1325243	.0919459	-1.44	0.149	-.312735	.0476863
st_NM	-.2404502	.1676961	-1.43	0.152	-.5691285	.0882282
st_NV	-.1133038	.1384759	-0.82	0.413	-.3847117	.158104
st_NY	-.1619326	.0810205	-2.00	0.046	-.3207298	-.0031353
st_OH	-.0037545	.0676142	-0.06	0.956	-.1362759	.1287668
st_OK	-.0520054	.1662525	-0.31	0.754	-.3778543	.2738436
st_OR	-.1945184	.1304257	-1.49	0.136	-.4501481	.0611114
st_PA	.0432415	.0674092	0.64	0.521	-.0888781	.1753611

st_PR	-.0076504	.0680884	-0.11	0.911	-.1411013	.1258004
st_RI	.0859597	.0735666	1.17	0.243	-.0582282	.2301477
st_SC	-.0269314	.0999447	-0.27	0.788	-.2228195	.1689567
st_SD	-.4672037	.3787869	-1.23	0.217	-1.209612	.275205
st_TN	.0078706	.1005356	0.08	0.938	-.1891757	.2049168
st_TX	.0450784	.0673024	0.67	0.503	-.0868318	.1769886
st_UT	.0050859	.0734461	0.07	0.945	-.1388658	.1490375
st_VA	-.0769053	.1034534	-0.74	0.457	-.2796702	.1258596
st_VT	-.0395212	.2476277	-0.16	0.873	-.5248626	.4458203
st_WA	.0204411	.0684917	0.30	0.765	-.1138001	.1546823
st_WI	-.1973233	.1099079	-1.80	0.073	-.4127388	.0180922
st_WV	.0283306	.0701453	0.40	0.686	-.1091518	.1658129
st_WY	.1200728	.0923793	1.30	0.194	-.0609874	.301133
pial	.0000913	.0000397	2.30	0.021	.0000136	.000169
pia_miss	-.0867703	.0400677	-2.17	0.030	-.1653016	-.008239
ime1	-4.58e-06	.000013	-0.35	0.725	-.0000301	.0000209
ime_miss	.0107911	.0202746	0.53	0.595	-.0289464	.0505287
_cons	-.1227149	.090267	-1.36	0.174	-.299635	.0542051

nstw24

mototkt	.0025242	.0026751	0.94	0.345	-.0027188	.0077672
male	.0472474	.0155948	3.03	0.002	.0166822	.0778125
gendermiss_flag	-.2515313	1.127214	-0.22	0.823	-2.460829	1.957767
tsd_age	-.0089125	.0019146	-4.65	0.000	-.012665	-.0051599
doage2	-.0014694	.0017036	-0.86	0.388	-.0048084	.0018695
doage2miss_flag	7.3431	2.520895	2.91	0.004	2.402236	12.28396
race_a	.0163786	.0499202	0.33	0.743	-.0814632	.1142203
race_b	.0558972	.0219057	2.55	0.011	.0129628	.0988315
race_h	.1142658	.0274642	4.16	0.000	.060437	.1680946
race_i	.0368033	.1012032	0.36	0.716	-.1615512	.2351579
race_o	.1265398	.0747287	1.69	0.090	-.0199257	.2730053
race_mis	.1782432	.0585804	3.04	0.002	.0634277	.2930587
tsd_edu_hs	.0528017	.0232759	2.27	0.023	.0071819	.0984216
tsd_edu_mrhs	.1505488	.0266969	5.64	0.000	.0982239	.2028737
tsd_edu_mis	.1159639	.0259384	4.47	0.000	.0651256	.1668022
tsd_mie_exp	-.0041547	.0484219	-0.09	0.932	-.0990598	.0907504
tsd_mie_mis	-.0543292	.0268156	-2.03	0.043	-.1068868	-.0017715
tsd_mie_psbl	-.0355069	.020994	-1.69	0.091	-.0766544	.0056406
tsd_medicare	-.096236	.027347	-3.52	0.000	-.1498351	-.042637
tsd_medicare_miss	-.1389451	.0950003	-1.46	0.144	-.3251422	.047252
tsd_depend_1	-.0900371	.0221298	-4.07	0.000	-.1334107	-.0466635
tsd_depend_2	-.0379899	.0195657	-1.94	0.052	-.076338	.0003582
tsd_depend_miss	.1766586	.0697652	2.53	0.011	.0399213	.3133959
tsd_vrpr	.2460596	.0441652	5.57	0.000	.1594974	.3326218
tsd_vrpr_miss	.2792115	.0419434	6.66	0.000	.197004	.361419
pdcgrou2	-.0658085	.025011	-2.63	0.009	-.1148292	-.0167878
pdcgrou3	.1195329	.0291735	4.10	0.000	.062354	.1767119
pdcgrou4	.0647955	.0219068	2.96	0.003	.0218589	.1077322
pdcgrou5	-.0085001	.2281685	-0.04	0.970	-.4557022	.438702
cohort2000	.0574165	.0374306	1.53	0.125	-.0159462	.1307792
cohort2001	.1896952	.0574971	3.30	0.001	.077003	.3023874
cohort2002	.1928811	.081455	2.37	0.018	.0332323	.3525299
cohort2003	.1267928	.107255	1.18	0.237	-.0834231	.3370087
cohort2004	.4041534	.1792102	2.26	0.024	.0529078	.755399
award_b4_tsd	-.0628501	.0943195	-0.67	0.505	-.2477129	.1220127
diaward_tsd	-.0048782	.0023517	-2.07	0.038	-.0094875	-.0002689
epeb4twp_flag	-.4289058	.8561305	-0.50	0.616	-2.106891	1.249079
ldwb4twp_flag	-2.945314	.6216881	-4.74	0.000	-4.1638	-1.726828
ldwb4epe_flag	3.182437	.2164441	14.70	0.000	2.758214	3.606659
twpb4tsd	2.553502	.029392	86.88	0.000	2.495894	2.611109
epeb4tsd	.7730895	.041625	18.57	0.000	.691506	.8546731
ldwb4tsd	9.277851	.0545082	170.21	0.000	9.171017	9.384685
st_AL	.0251057	.1539346	0.16	0.870	-.2766006	.326812

st_AR	-.1545764	.3111204	-0.50	0.619	-.7643612	.4552084
st_AZ	-.2937212	.245017	-1.20	0.231	-.7739456	.1865032
st_CA	.1606354	.1508232	1.07	0.287	-.1349726	.4562433
st_CO	-.3290839	.3370796	-0.98	0.329	-.9897477	.3315799
st_CT	-.285766	.2537388	-1.13	0.260	-.7830849	.2115529
st_DC	-.4546021	.5975672	-0.76	0.447	-1.625812	.716608
st_DE	-.6315581	.4579013	-1.38	0.168	-1.529028	.2659119
st_FL	-.3343924	.1916303	-1.74	0.081	-.7099809	.0411961
st_GA	-.1373744	.2433831	-0.56	0.572	-.6143965	.3396478
st_HI	.0918388	.1722856	0.53	0.594	-.2458349	.4295125
st_IA	-.3955769	.3353	-1.18	0.238	-1.052753	.2615989
st_ID	.0447479	.1676737	0.27	0.790	-.2838865	.3733823
st_IL	-.3605512	.22453	-1.61	0.108	-.800622	.0795196
st_IN	-.0957306	.2549225	-0.38	0.707	-.5953695	.4039084
st_KS	-.2019568	.3166959	-0.64	0.524	-.8226694	.4187558
st_KY	-.0511781	.2355634	-0.22	0.828	-.5128739	.4105176
st_LA	-.2936772	.2720718	-1.08	0.280	-.8269281	.2395737
st_MA	-.3508458	.2087111	-1.68	0.093	-.7599119	.0582204
st_MD	.2443552	.155273	1.57	0.116	-.0599742	.5486846
st_ME	.0371337	.1607991	0.23	0.817	-.2780267	.3522942
st_MI	-.1525772	.1943636	-0.79	0.432	-.533523	.2283685
st_MN	-.0272791	.1550669	-0.18	0.860	-.3312047	.2766464
st_MO	-.1801989	.2122146	-0.85	0.396	-.5961319	.235734
st_MS	-.1701856	.2281547	-0.75	0.456	-.6173607	.2769894
st_MT	-.1714412	.558295	-0.31	0.759	-1.265679	.9227969
st_NC	-.0233005	.1523718	-0.15	0.878	-.3219437	.2753427
st_ND	-.7781921	.9036884	-0.86	0.389	-2.549389	.9930046
st_NE	-.111188	.1649649	-0.67	0.500	-.4345132	.2121373
st_NH	-.1210713	.3474357	-0.35	0.727	-.8020327	.5598901
st_NJ	-.3995756	.2073071	-1.93	0.054	-.8058901	.0067388
st_NM	-.6562454	.3780984	-1.74	0.083	-1.397305	.0848139
st_NV	-.3559468	.3122167	-1.14	0.254	-.9678804	.2559867
st_NY	-.38577	.182674	-2.11	0.035	-.7438045	-.0277354
st_OH	-.0009829	.1524472	-0.01	0.995	-.299774	.2978082
st_OK	-.2369458	.3748436	-0.63	0.527	-.9716257	.4977341
st_OR	-.3646367	.2940663	-1.24	0.215	-.940996	.2117225
st_PA	.0968173	.1519851	0.64	0.524	-.201068	.3947025
st_PR	-.0655906	.1535165	-0.43	0.669	-.3664774	.2352962
st_RI	.2365049	.165868	1.43	0.154	-.0885905	.5616002
st_SC	-.1248055	.2253418	-0.55	0.580	-.5664673	.3168563
st_SD	-1.237403	.8540372	-1.45	0.147	-2.911285	.4364793
st_TN	-.0279598	.2266741	-0.12	0.902	-.4722328	.4163133
st_TX	.1068251	.1517442	0.70	0.481	-.1905881	.4042383
st_UT	.0183364	.1655962	0.11	0.912	-.3062263	.342899
st_VA	-.1468296	.2332526	-0.63	0.529	-.6039962	.3103371
st_VT	-.3734327	.5583174	-0.67	0.504	-1.467715	.7208493
st_WA	.0911917	.1544257	0.59	0.555	-.2114772	.3938605
st_WI	-.4394141	.2478054	-1.77	0.076	-.9251037	.0462755
st_WV	.0539901	.1581541	0.34	0.733	-.2559863	.3639666
st_WY	.1759076	.2082844	0.84	0.398	-.2323223	.5841375
pial	.0001406	.0000894	1.57	0.116	-.0000346	.0003158
pia_miss	-.2596826	.0903392	-2.87	0.004	-.4367443	-.082621
ime1	.0000301	.0000294	1.03	0.305	-.0000274	.0000877
ime_miss	.0036556	.0457125	0.08	0.936	-.0859393	.0932505
_cons	-.0192769	.2035217	-0.09	0.925	-.4181722	.3796183

nstw36

mototkt	.0032156	.0044427	0.72	0.469	-.0054919	.0119231
male	.1109478	.0258994	4.28	0.000	.0601858	.1617098
gendermiss_flag	-.5654992	1.872053	-0.30	0.763	-4.234655	3.103657
tsd_age	-.0216085	.0031797	-6.80	0.000	-.0278406	-.0153763
doage2	-.0037059	.0028293	-1.31	0.190	-.0092511	.0018394
doage2miss_flag	13.46814	4.18665	3.22	0.001	5.262458	21.67383

race_a	.0790329	.0829064	0.95	0.340	-.0834606	.2415265
race_b	.1326624	.0363805	3.65	0.000	.0613579	.203967
race_h	.2071387	.0456119	4.54	0.000	.117741	.2965365
race_i	.039732	.1680761	0.24	0.813	-.2896911	.3691551
race_o	.3207193	.1241078	2.58	0.010	.0774725	.5639662
race_mis	.2885865	.0972891	2.97	0.003	.0979033	.4792696
tsd_edu_hs	.1243573	.0386561	3.22	0.001	.0485928	.2001217
tsd_edu_mrhs	.3428197	.0443376	7.73	0.000	.2559195	.4297198
tsd_edu_mis	.24073	.0430779	5.59	0.000	.1562989	.3251612
tsd_mie_exp	.0070862	.080418	0.09	0.930	-.1505303	.1647026
tsd_mie_mis	-.0965445	.0445348	-2.17	0.030	-.1838311	-.0092579
tsd_mie_psbl	-.0896175	.0348664	-2.57	0.010	-.1579545	-.0212806
tsd_medicare	-.1760829	.0454172	-3.88	0.000	-.265099	-.0870667
tsd_medicare_miss	-.4034344	.1577745	-2.56	0.011	-.7126667	-.0942021
tsd_depend_1	-.1638605	.0367527	-4.46	0.000	-.2358945	-.0918266
tsd_depend_2	-.0642944	.0324943	-1.98	0.048	-.1279821	-.0006066
tsd_depend_miss	.2200379	.1158646	1.90	0.058	-.0070525	.4471283
tsd_vrpr	.3725619	.0733487	5.08	0.000	.2288012	.5163227
tsd_vrpr_miss	.2859191	.0696587	4.10	0.000	.1493907	.4224476
pdcgrou2	-.1721459	.0415378	-4.14	0.000	-.2535584	-.0907334
pdcgrou3	.2069766	.0484507	4.27	0.000	.112015	.3019382
pdcgrou4	.0921279	.0363824	2.53	0.011	.0208197	.1634361
pdcgrou5	-.0406065	.3789375	-0.11	0.915	-.7833104	.7020974
cohort2000	.0380739	.062164	0.61	0.540	-.0837654	.1599131
cohort2001	.1890652	.09549	1.98	0.048	.0019084	.3762221
cohort2002	.1715201	.1352787	1.27	0.205	-.0936214	.4366616
cohort2003	.1051167	.1781268	0.59	0.555	-.2440055	.4542389
cohort2004	.701354	.2976286	2.36	0.018	.1180127	1.284695
award_b4_tsd	-.103048	.1566438	-0.66	0.511	-.4100643	.2039682
diaward_tsd	-.0114462	.0039057	-2.93	0.003	-.0191013	-.0037912
epeb4twp_flag	-1.73708	1.421844	-1.22	0.222	-4.523842	1.049682
ldwb4twp_flag	-3.734377	1.032487	-3.62	0.000	-5.758013	-1.71074
ldwb4epe_flag	5.827389	.3594658	16.21	0.000	5.122849	6.531929
twpb4tsd	4.428029	.0488136	90.71	0.000	4.332356	4.523702
epeb4tsd	.9139433	.06913	13.22	0.000	.778451	1.049436
ldwb4tsd	12.97698	.090526	143.35	0.000	12.79955	13.1544
st_AL	.0235115	.2556514	0.09	0.927	-.4775561	.5245791
st_AR	-.2214439	.5167023	-0.43	0.668	-1.234162	.791274
st_AZ	-.3918283	.406919	-0.96	0.336	-1.189375	.4057184
st_CA	.3278196	.2504839	1.31	0.191	-.1631199	.8187591
st_CO	-.5556153	.5598147	-0.99	0.321	-1.652832	.5416013
st_CT	-.3834465	.4214041	-0.91	0.363	-1.209383	.4424903
st_DC	-.2793937	.9924271	-0.28	0.778	-2.224515	1.665728
st_DE	-.8377919	.7604729	-1.10	0.271	-2.328291	.6527076
st_FL	-.6072021	.3182556	-1.91	0.056	-1.230972	.0165675
st_GA	-.2308738	.4042056	-0.57	0.568	-1.023102	.5613546
st_HI	.1665676	.2861284	0.58	0.560	-.3942338	.7273689
st_IA	-.7940949	.5568592	-1.43	0.154	-1.885519	.297329
st_ID	-.000095	.278469	-0.00	1.000	-.5458841	.5456942
st_IL	-.5173995	.3728948	-1.39	0.165	-1.24826	.2134609
st_IN	-.0556362	.42337	-0.13	0.895	-.8854261	.7741537
st_KS	-.2055292	.525962	-0.39	0.696	-1.236396	.8253373
st_KY	-.0178928	.3912187	-0.05	0.964	-.7846674	.7488818
st_LA	-.5141027	.4518511	-1.14	0.255	-1.399715	.3715093
st_MA	-.5655673	.346623	-1.63	0.103	-1.244936	.1138012
st_MD	.4093549	.2578741	1.59	0.112	-.096069	.9147788
st_ME	.1385148	.2670518	0.52	0.604	-.3848971	.6619266
st_MI	-.2250577	.3227951	-0.70	0.486	-.8577244	.407609
st_MN	-.0014026	.2575319	-0.01	0.996	-.5061557	.5033506
st_MO	-.2266039	.3524415	-0.64	0.520	-.9173766	.4641689
st_MS	-.2013089	.3789146	-0.53	0.595	-.9439679	.5413501
st_MT	-.7508157	.9272047	-0.81	0.418	-2.568103	1.066472
st_NC	-.074678	.2530559	-0.30	0.768	-.5706584	.4213024

st_ND	-1.494925	1.500827	-1.00	0.319	-4.436492	1.446641
st_NE	-.1708568	.2739702	-0.62	0.533	-.7078286	.366115
st_NH	-.2161778	.5770139	-0.37	0.708	-1.347104	.9147487
st_NJ	-.583552	.3442913	-1.69	0.090	-1.258351	.0912466
st_NM	-.898013	.627938	-1.43	0.153	-2.128749	.3327228
st_NV	-.5957837	.518523	-1.15	0.251	-1.61207	.4205027
st_NY	-.495794	.3033812	-1.63	0.102	-1.09041	.0988223
st_OH	.0072777	.2531812	0.03	0.977	-.4889483	.5035037
st_OK	-.369679	.6225324	-0.59	0.553	-1.58982	.850462
st_OR	-.645902	.4883791	-1.32	0.186	-1.603107	.3113034
st_PA	.1592669	.2524136	0.63	0.528	-.3354547	.6539885
st_PR	-.1884335	.254957	-0.74	0.460	-.68814	.3112731
st_RI	.366284	.2754701	1.33	0.184	-.1736276	.9061955
st_SC	-.3432249	.3742429	-0.92	0.359	-1.076728	.3902778
st_SD	-2.05147	1.418367	-1.45	0.148	-4.831418	.7284787
st_TN	-.1677797	.3764556	-0.45	0.656	-.9056191	.5700596
st_TX	.1876551	.2520136	0.74	0.456	-.3062826	.6815927
st_UT	.0674982	.2750187	0.25	0.806	-.4715286	.606525
st_VA	-.1682705	.387381	-0.43	0.664	-.9275234	.5909823
st_VT	-.4394344	.9272418	-0.47	0.636	-2.256795	1.377926
st_WA	.2009932	.256467	0.78	0.433	-.3016729	.7036594
st_WI	-.5137348	.41155	-1.25	0.212	-1.320358	.2928884
st_WV	.0693436	.2626591	0.26	0.792	-.4454588	.584146
st_WY	.1325832	.3459144	0.38	0.702	-.5453965	.8105629
pial	.0002704	.0001485	1.82	0.069	-.0000207	.0005614
pia_miss	-.4022876	.1500335	-2.68	0.007	-.6963479	-.1082274
ime1	.0000633	.0000488	1.30	0.194	-.0000322	.0001589
ime_miss	-.0808521	.0759184	-1.06	0.287	-.2296494	.0679452
_cons	.6833238	.3380046	2.02	0.043	.0208468	1.345801

nstw48						
mototkt	.0054938	.0064241	0.86	0.392	-.0070972	.0180848
male	.2103181	.0374504	5.62	0.000	.1369167	.2837195
gendermiss_flag	-.971661	2.706972	-0.36	0.720	-6.277229	4.333907
tsd_age	-.0406851	.0045979	-8.85	0.000	-.0496967	-.0316734
doage2	-.0062792	.0040911	-1.53	0.125	-.0142975	.0017392
doage2miss_flag	14.94881	6.05386	2.47	0.014	3.083466	26.81416
race_a	.1329883	.1198819	1.11	0.267	-.101976	.3679526
race_b	.2307525	.0526059	4.39	0.000	.1276468	.3338582
race_h	.2801605	.0659544	4.25	0.000	.1508922	.4094288
race_i	.1000264	.2430366	0.41	0.681	-.3763165	.5763694
race_o	.5069188	.1794588	2.82	0.005	.1551859	.8586516
race_mis	.3638553	.1406792	2.59	0.010	.0881291	.6395815
tsd_edu_hs	.2085895	.0558963	3.73	0.000	.0990347	.3181443
tsd_edu_mrhs	.5862979	.0641118	9.14	0.000	.4606411	.7119548
tsd_edu_mis	.3834156	.0622903	6.16	0.000	.2613288	.5055023
tsd_mie_exp	.0210656	.1162838	0.18	0.856	-.2068465	.2489776
tsd_mie_mis	-.1215991	.0643969	-1.89	0.059	-.2478147	.0046166
tsd_mie_psbl	-.1427279	.0504166	-2.83	0.005	-.2415425	-.0439133
tsd_medicare	-.2653601	.0656729	-4.04	0.000	-.3940767	-.1366435
tsd_medicare_miss	-.7426393	.2281405	-3.26	0.001	-1.189787	-.2954921
tsd_depend_1	-.2301073	.0531441	-4.33	0.000	-.3342678	-.1259469
tsd_depend_2	-.0693754	.0469865	-1.48	0.140	-.1614673	.0227165
tsd_depend_miss	.2301324	.1675392	1.37	0.170	-.0982384	.5585032
tsd_vrpr	.33473	.1060615	3.16	0.002	.1268532	.5426068
tsd_vrpr_miss	.0549906	.1007258	0.55	0.585	-.1424284	.2524096
pdcgrou2	-.3417242	.0600633	-5.69	0.000	-.4594461	-.2240024
pdcgrou3	.2873993	.0700593	4.10	0.000	.1500856	.424713
pdcgrou4	.0867934	.0526087	1.65	0.099	-.0163177	.1899044
pdcgrou5	-.263816	.5479404	-0.48	0.630	-1.337759	.8101275
cohort2000	.0221057	.0898886	0.25	0.806	-.1540728	.1982843
cohort2001	.1699735	.1380776	1.23	0.218	-.1006537	.4406007
cohort2002	.1211742	.1956119	0.62	0.536	-.2622181	.5045664

cohort2003	.0640649	.2575699	0.25	0.804	-.4407628	.5688926
cohort2004	1.071922	.4303684	2.49	0.013	.2284151	1.915428
award_b4_tsd	-.0800369	.2265056	-0.35	0.724	-.5239797	.3639059
diaward_tsd	-.018436	.0056476	-3.26	0.001	-.0295051	-.0073668
epeb4twp_flag	-4.122634	2.055974	-2.01	0.045	-8.152268	-.0930002
ldwb4twp_flag	-3.728219	1.492967	-2.50	0.013	-6.65438	-.8020578
ldwb4epe_flag	9.12951	.5197844	17.56	0.000	8.110751	10.14827
twpb4tsd	6.352258	.070584	90.00	0.000	6.213916	6.4906
epeb4tsd	.9479644	.0999613	9.48	0.000	.7520438	1.143885
ldwb4tsd	16.31981	.1308998	124.67	0.000	16.06325	16.57637
st_AL	-.0331426	.3696697	-0.09	0.929	-.757682	.6913968
st_AR	-.249514	.747147	-0.33	0.738	-1.713895	1.214867
st_AZ	-.4694051	.5884014	-0.80	0.425	-1.622651	.6838405
st_CA	.5379518	.3621976	1.49	0.137	-.1719425	1.247846
st_CO	-.6146251	.8094872	-0.76	0.448	-2.201191	.9719407
st_CT	-.4908494	.6093467	-0.81	0.421	-1.685147	.7034481
st_DC	.2382746	1.435041	0.17	0.868	-2.574354	3.050903
st_DE	-1.173548	1.099637	-1.07	0.286	-3.328798	.9817011
st_FL	-.8777122	.4601949	-1.91	0.056	-1.779678	.0242532
st_GA	-.298375	.5844778	-0.51	0.610	-1.44393	.8471804
st_HI	.3550723	.4137392	0.86	0.391	-.4558416	1.165986
st_IA	-1.241478	.8052136	-1.54	0.123	-2.819667	.3367119
st_ID	-.0354701	.4026637	-0.09	0.930	-.8246765	.7537362
st_IL	-.5750552	.5392026	-1.07	0.286	-1.631873	.4817626
st_IN	-.094845	.6121893	-0.15	0.877	-1.294714	1.105024
st_KS	-.3314591	.7605364	-0.44	0.663	-1.822083	1.159165
st_KY	.0781424	.5656989	0.14	0.890	-1.030607	1.186892
st_LA	-.7817589	.6533728	-1.20	0.232	-2.062346	.4988284
st_MA	-.5919126	.5012138	-1.18	0.238	-1.574274	.3904485
st_MD	.5757775	.3728837	1.54	0.123	-.1550611	1.306616
st_ME	.1610038	.3861545	0.42	0.677	-.5958452	.9178528
st_MI	-.3371108	.4667589	-0.72	0.470	-1.251941	.5777197
st_MN	.0248816	.3723888	0.07	0.947	-.7049871	.7547503
st_MO	-.244491	.5096274	-0.48	0.631	-1.243342	.7543604
st_MS	-.0992516	.5479072	-0.18	0.856	-1.17313	.9746268
st_MT	-1.325005	1.34073	-0.99	0.323	-3.952787	1.302778
st_NC	-.175273	.3659166	-0.48	0.632	-.8924564	.5419103
st_ND	-2.344933	2.170183	-1.08	0.280	-6.598412	1.908547
st_NE	-.2322884	.3961586	-0.59	0.558	-1.008745	.5441682
st_NH	-.1929722	.8343571	-0.23	0.817	-1.828282	1.442338
st_NJ	-.6319149	.4978423	-1.27	0.204	-1.607668	.343838
st_NM	-.913602	.9079929	-1.01	0.314	-2.693235	.8660313
st_NV	-1.05111	.7497798	-1.40	0.161	-2.520651	.4184314
st_NY	-.4677053	.4386866	-1.07	0.286	-1.327515	.3921048
st_OH	-.0125365	.3660978	-0.03	0.973	-.730075	.705002
st_OK	-.4563185	.9001764	-0.51	0.612	-2.220632	1.307995
st_OR	-.9054954	.7061919	-1.28	0.200	-2.289606	.4786154
st_PA	.2043552	.3649879	0.56	0.576	-.511008	.9197183
st_PR	-.3672543	.3686656	-1.00	0.319	-1.089826	.355317
st_RI	.4991209	.3983274	1.25	0.210	-.2815866	1.279828
st_SC	-.5723422	.5411521	-1.06	0.290	-1.632981	.4882963
st_SD	-2.369033	2.050947	-1.16	0.248	-6.388814	1.650749
st_TN	-.3854868	.5443515	-0.71	0.479	-1.452396	.6814226
st_TX	.2525926	.3644095	0.69	0.488	-.461637	.9668222
st_UT	.1445391	.3976747	0.36	0.716	-.634889	.9239672
st_VA	-.0738008	.5601496	-0.13	0.895	-1.171674	1.024072
st_VT	-.3833467	1.340784	-0.29	0.775	-3.011234	2.244541
st_WA	.3016727	.3708491	0.81	0.416	-.4251782	1.028524
st_WI	-.4928957	.5950977	-0.83	0.408	-1.659266	.6734744
st_WV	.0327581	.3798028	0.09	0.931	-.7116417	.7771579
st_WY	.0611192	.5001892	0.12	0.903	-.9192336	1.041472
pial	.0004171	.0002147	1.94	0.052	-3.75e-06	.0008379
pia_miss	-.5385738	.2169471	-2.48	0.013	-.9637824	-.1133652


```

      ime1 |      .0001014      .0000705      1.44      0.150      -.0000368      .0002395
    ime_miss |     -.2070745     .1097773     -1.89      0.059     -.4222341     .0080852
      _cons |     1.944584     .4887518      3.98      0.000      .9866481      2.90252
-----

```

Endogenous variables: nstw12 nstw24 nstw36 nstw48 mototkt

Exogenous variables: male gendermiss_flag tsd_age doage2 doage2miss_flag
 race_a race_b race_h race_i race_o race_mis tsd_edu_hs tsd_edu_mrhs
 tsd_edu_mis tsd_mie_exp tsd_mie_mis tsd_mie_psbl tsd_medicare
 tsd_medicare_miss tsd_depend_1 tsd_depend_2 tsd_depend_miss tsd_vrpr
 tsd_vrpr_miss pdcgroup2 pdcgroup3 pdcgroup4 pdcgroup5 cohort2000
 cohort2001 cohort2002 cohort2003 cohort2004 award_b4_tsd diaward_tsd
 epeb4twp_flag ldwb4twp_flag ldwb4epe_flag twpb4tsd epeb4tsd ldwb4tsd
 st_AL st_AR st_AZ st_CA st_CO st_CT st_DC st_DE st_FL st_GA st_HI st_IA
 st_ID st_IL st_IN st_KS st_KY st_LA st_MA st_MD st_ME st_MI st_MN st_MO
 st_MS st_MT st_NC st_ND st_NE st_NH st_NJ st_NM st_NV st_NY st_OH st_OK
 st_OR st_PA st_PR st_RI st_SC st_SD st_TN st_TX st_UT st_VA st_VT st_WA
 st_WI st_WV st_WY pial pia_miss ime1 ime_miss imm21 imm23 imm24 imm25
 imm26 imm27 imm28 imm29 imm30

(1) 12*[nstw12]mototkt + 12*[nstw24]mototkt = 0

```

-----
      |      Coef.      Std. Err.      z      P>|z|      [95% Conf. Interval]
-----+-----
(1) |      .0353179      .0451077      0.78      0.434      -.0530916      .1237273
-----

```

(1) 12*[nstw12]mototkt + 12*[nstw24]mototkt + 12*[nstw36]mototkt = 0

```

-----
      |      Coef.      Std. Err.      z      P>|z|      [95% Conf. Interval]
-----+-----
(1) |      .073905      .096092      0.77      0.442      -.114432      .2622419
-----

```

(1) 12*[nstw12]mototkt + 12*[nstw24]mototkt + 12*[nstw36]mototkt +
 12*[nstw48]mototkt = 0

```

-----
      |      Coef.      Std. Err.      z      P>|z|      [95% Conf. Interval]
-----+-----
(1) |      .1398308      .1697314      0.82      0.410      -.1928367      .4724983
-----

```

```

. *
.
. ***close post files
. capture {
. *
.
. local path "N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\3sIsOutput"
.
. foreach v in phase1NY phase1NONY phase2 phase3 {
2. use "`"path'\`v'"',clear
3.
.   ***local list of variables
.   local varlst event12 SE12 ///
>           event24 SE24 ///
>           event36 SE36 ///

```

```

>          event48 SE48 ///
>          sum12_24X12      SE12_24 ///
>          sum12_24_36X12  SE12_24_36 ///
>          sum12_24_36_48X12 SE12_24_36_48
4.
.   order event `varlst'
5.
.   ***loop through variables
.   forvalues n = 1(2)14 {
6.       ***define local for coeff
.       local var: word `n' of `varlst'
7.
.       ***define local for se
.       local se : word `=(`n'+1)' of `varlst'
8.       display "`var'"
9.       display "`se'"
10.
.       ***calculate p value for significance stars
.       gen pval_`var' = 2*normal(-abs(`var'/'`se'))
11.       *display pval
.
.       ***generate significance star string
.       gen sig_`var' = "" if pval_`var' > 0.0 & pval_`var' <= 0.01
12.       replace sig_`var' = "***" if pval_`var' > .01 & pval_`var' <= .05
13.       replace sig_`var' = "" if pval_`var' > .05 & pval_`var' <= .10
14.
.       ***drop pval variable
.       drop pval_`var'
15.
.       ***destring coefficient -force- must be used because -format- rounds the
variables
.       if `n' <= 7 {
16.           tostring `var', replace format(%7.6f) force
17.       }
18.       else {
19.           tostring `var', replace format(%7.5f) force
20.       }
21.       gen temp = `var' + sig_`var'
22.       drop `var'
23.       rename temp `var'
24.       drop sig_`var'
25.
.       ***destring standard error
.       if `n' <= 7 {
26.           tostring `se', replace format(%7.6f) force
27.       }
28.       else {
29.           tostring `se', replace format(%7.5f) force
30.       }
31.     }/* close loop through variables */
32.     *
.
.     *****
.     ***obtain variable with rownames for table
.     *****
.     order event `varlst'
33.     preserve
34.
.     ***interchange rows and columns to get rows for names
.     xpose,clear varname
35.     ***generate merge variable
.     gen n = _n
36.     ***replace names

```

```

.   replace _varname = "12 x Sum(12,24)" if _varname == "sum12_24X12"
37.   replace _varname = "12 x Sum(12,24,36)" if _varname == "sum12_24_36X12"
38.   replace _varname = "12 x Sum(12,24,36,48)" if _varname == "sum12_24_36_48X12"
39.
.   keep _varname n
40.   tempfile name
41.   save   `name'
42.   restore
43.
.   ***interchange rows and columns
.   sxpose,clear
44.   gen n = _n
45.
.   ***merge row names onto dataset
.   merge 1:1 n using `name'
46.
.   if "`v'" == "phase1NY" {
47.
.       rename _var1 ldwroll
48.       rename _var2 eperoll
49.       rename _var3 twproll
50.       rename _var4 srvroll
51.       rename _var5 nstw
52.       rename _varname event
53.   }/* close if statemnt for NY sample */
54.
.   else {
55.       rename _var1  ldwroll_unemp
56.       rename _var2  eperoll_unemp
57.       rename _var3  twproll_unemp
58.       rename _var4  srvroll_unemp
59.       rename _var5  nstw_unemp
60.       rename _var6  ldwroll_nounemp
61.       rename _var7  eperoll_nounemp
62.       rename _var8  twproll_nounemp
63.       rename _var9  srvroll_nounemp
64.       rename _var10 nstw_nounemp
65.       rename _varname event
66.   }/* close if statement for all other phases */
67.
.   drop if _n == 1
68.   drop n _merge
69.   order event
70.
.   ***export file
.   export excel using "`path'\3sfs_output.xlsx", sheet("`v'") sheetreplace
firstrow(var)
71. }
event12
SE12
(4 missing values generated)
(0 real changes made)
(1 real change made)
event12 was float now str9
event12 was forced to string; some loss of information
SE12 was float now str8
SE12 was forced to string; some loss of information
event24
SE24
(5 missing values generated)
(0 real changes made)
(0 real changes made)
event24 was float now str9

```

```

event24 was forced to string; some loss of information
SE24 was float now str8
SE24 was forced to string; some loss of information
event36
SE36
(5 missing values generated)
(0 real changes made)
(0 real changes made)
event36 was float now str9
event36 was forced to string; some loss of information
SE36 was float now str8
SE36 was forced to string; some loss of information
event48
SE48
(5 missing values generated)
(0 real changes made)
(0 real changes made)
event48 was float now str9
event48 was forced to string; some loss of information
SE48 was float now str8
SE48 was forced to string; some loss of information
sum12_24X12
SE12_24
(5 missing values generated)
sig_sum12_24X12 was str1 now str2
(1 real change made)
(0 real changes made)
sum12_24X12 was float now str8
sum12_24X12 was forced to string; some loss of information
SE12_24 was float now str7
SE12_24 was forced to string; some loss of information
sum12_24_36X12
SE12_24_36
(5 missing values generated)
sig_sum12_24_36X12 was str1 now str2
(1 real change made)
(0 real changes made)
sum12_24_36X12 was float now str8
sum12_24_36X12 was forced to string; some loss of information
SE12_24_36 was float now str7
SE12_24_36 was forced to string; some loss of information
sum12_24_36_48X12
SE12_24_36_48
(5 missing values generated)
(0 real changes made)
(1 real change made)
sum12_24_36_48X12 was float now str8
sum12_24_36_48X12 was forced to string; some loss of information
SE12_24_36_48 was float now str7
SE12_24_36_48 was forced to string; some loss of information
(1 real change made)
_varname was str17 now str18
(1 real change made)
_varname was str18 now str21
(1 real change made)
file C:\Users\jpage\AppData\Local\Temp\ST_0g000002.tmp saved
obs was 5, now 15

```

Result	# of obs.
not matched	0
matched	15 (_merge==3)

(1 observation deleted)
file N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\3slsOutput\3sls_ou
tput.xlsx saved
event12
SE12
(10 missing values generated)
(0 real changes made)
(0 real changes made)
event12 was float now str9
event12 was forced to string; some loss of information
SE12 was float now str8
SE12 was forced to string; some loss of information
event24
SE24
(10 missing values generated)
(0 real changes made)
(0 real changes made)
event24 was float now str9
event24 was forced to string; some loss of information
SE24 was float now str8
SE24 was forced to string; some loss of information
event36
SE36
(10 missing values generated)
(0 real changes made)
(1 real change made)
event36 was float now str9
event36 was forced to string; some loss of information
SE36 was float now str8
SE36 was forced to string; some loss of information
event48
SE48
(10 missing values generated)
(0 real changes made)
(0 real changes made)
event48 was float now str9
event48 was forced to string; some loss of information
SE48 was float now str8
SE48 was forced to string; some loss of information
sum12_24X12
SE12_24
(10 missing values generated)
(0 real changes made)
(0 real changes made)
sum12_24X12 was float now str8
sum12_24X12 was forced to string; some loss of information
SE12_24 was float now str7
SE12_24 was forced to string; some loss of information
sum12_24_36X12
SE12_24_36
(10 missing values generated)
(0 real changes made)
(0 real changes made)
sum12_24_36X12 was float now str8
sum12_24_36X12 was forced to string; some loss of information
SE12_24_36 was float now str7
SE12_24_36 was forced to string; some loss of information
sum12_24_36_48X12
SE12_24_36_48
(10 missing values generated)
(0 real changes made)
(0 real changes made)

```

sum12_24_36_48X12 was float now str8
sum12_24_36_48X12 was forced to string; some loss of information
SE12_24_36_48 was float now str7
SE12_24_36_48 was forced to string; some loss of information
(1 real change made)
_varname was str17 now str18
(1 real change made)
_varname was str18 now str21
(1 real change made)
file C:\Users\jpage\AppData\Local\Temp\ST_0g000004.tmp saved
obs was 10, now 15

```

Result	# of obs.
not matched	0
matched	15 (_merge==3)

```

(1 observation deleted)
file N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\3slsOutput\3sls_ou
tput.xlsx saved
event12
SE12
(9 missing values generated)
(1 real change made)
(0 real changes made)
event12 was float now str9
event12 was forced to string; some loss of information
SE12 was float now str8
SE12 was forced to string; some loss of information
event24
SE24
(9 missing values generated)
(1 real change made)
(0 real changes made)
event24 was float now str9
event24 was forced to string; some loss of information
SE24 was float now str8
SE24 was forced to string; some loss of information
event36
SE36
(10 missing values generated)
(0 real changes made)
(0 real changes made)
event36 was float now str9
event36 was forced to string; some loss of information
SE36 was float now str8
SE36 was forced to string; some loss of information
event48
SE48
(10 missing values generated)
(0 real changes made)
(0 real changes made)
event48 was float now str9
event48 was forced to string; some loss of information
SE48 was float now str8
SE48 was forced to string; some loss of information
sum12_24X12
SE12_24
(9 missing values generated)
(1 real change made)
(0 real changes made)
sum12_24X12 was float now str8

```

```

sum12_24X12 was forced to string; some loss of information
SE12_24 was float now str7
SE12_24 was forced to string; some loss of information
sum12_24_36X12
SE12_24_36
(9 missing values generated)
(1 real change made)
(0 real changes made)
sum12_24_36X12 was float now str8
sum12_24_36X12 was forced to string; some loss of information
SE12_24_36 was float now str7
SE12_24_36 was forced to string; some loss of information
sum12_24_36_48X12
SE12_24_36_48
(9 missing values generated)
(1 real change made)
(0 real changes made)
sum12_24_36_48X12 was float now str8
sum12_24_36_48X12 was forced to string; some loss of information
SE12_24_36_48 was float now str7
SE12_24_36_48 was forced to string; some loss of information
(1 real change made)
_varname was str17 now str18
(1 real change made)
_varname was str18 now str21
(1 real change made)
file C:\Users\jpage\AppData\Local\Temp\ST_0g000006.tmp saved
obs was 10, now 15

```

Result	# of obs.
not matched	0
matched	15 (_merge==3)

```

(1 observation deleted)
file N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\3slsOutput\3sls_ou
tput.xlsx saved
event12
SE12
(8 missing values generated)
(0 real changes made)
(0 real changes made)
event12 was float now str9
event12 was forced to string; some loss of information
SE12 was float now str8
SE12 was forced to string; some loss of information
event24
SE24
(10 missing values generated)
(0 real changes made)
(0 real changes made)
event24 was float now str9
event24 was forced to string; some loss of information
SE24 was float now str8
SE24 was forced to string; some loss of information
event36
SE36
(10 missing values generated)
(0 real changes made)
(0 real changes made)
event36 was float now str9
event36 was forced to string; some loss of information

```

```

SE36 was float now str8
SE36 was forced to string; some loss of information
event48
SE48
(10 missing values generated)
(0 real changes made)
(0 real changes made)
event48 was float now str9
event48 was forced to string; some loss of information
SE48 was float now str8
SE48 was forced to string; some loss of information
sum12_24X12
SE12_24
(8 missing values generated)
(0 real changes made)
(0 real changes made)
sum12_24X12 was float now str8
sum12_24X12 was forced to string; some loss of information
SE12_24 was float now str7
SE12_24 was forced to string; some loss of information
sum12_24_36X12
SE12_24_36
(10 missing values generated)
sig_sum12_24_36X12 was str1 now str2
(2 real changes made)
(0 real changes made)
sum12_24_36X12 was float now str8
sum12_24_36X12 was forced to string; some loss of information
SE12_24_36 was float now str7
SE12_24_36 was forced to string; some loss of information
sum12_24_36_48X12
SE12_24_36_48
(10 missing values generated)
(0 real changes made)
(2 real changes made)
sum12_24_36_48X12 was float now str8
sum12_24_36_48X12 was forced to string; some loss of information
SE12_24_36_48 was float now str7
SE12_24_36_48 was forced to string; some loss of information
(1 real change made)
_varname was str17 now str18
(1 real change made)
_varname was str18 now str21
(1 real change made)
file C:\Users\jpage\AppData\Local\Temp\ST_0g000008.tmp saved
obs was 10, now 15

```

Result	# of obs.
not matched	0
matched	15 (_merge==3)

```

(1 observation deleted)
file N:\Secure_Data-
DC1\08977_TTW\Impact_Analysis\Production\Analysis_8_22_12\Analysis\3sIsOutput\3sIs_ou
tput.xlsx saved

```

```

. *
.
. capture log close

```


This page has been left blank for double-sided copying.

MATHEMATICA
Policy Research

www.mathematica-mpr.com

Improving public well-being by conducting high quality, objective research and surveys

Princeton, NJ ■ Ann Arbor, MI ■ Cambridge, MA ■ Chicago, IL ■ Oakland, CA ■ Washington, DC

Mathematica® is a registered trademark of Mathematica Policy Research