```
. estadd scalar Difference_HS_5 = r(p)

added scalar:
    e(Difference_HS_5) =  .15228961

. estimates store Test_5

. estout Test_5 using Table3.txt,        starlevels(* 0.10 ** 0.05 *** 0.01) ///
>                                                keep(HS* Pre*) ///
>                                                cells(b(star fmt(3)) se(par([ ]
> ) fmt(3))) ///
>                                                stats(Difference_HS_5 r2 N, fmt
> (3 3 0) ///
>                                                labels("p(All age effects equal
> )" "R squared" "Sample Size")) ///
>                                                label append
(output written to Table3.txt)

. drop _est_*

.
.
. *Now create first 4 columns of Table 4 - Overall, then by race, gender and mate
> rnal AFQT score*
.
. *Overall*
.
. unab Covariates: *_imp *_miss

. xi: xtreg Test_std      HS_5to6 HS_7to10 HS_11to14 Pre_5to6 Pre_7to10 Pre_11to1
> 4 ///
>                                  Male i.year Group* i.AgeTest_Yr `Covariates', f
> e vce(cluster MotherID)
i.year            _Iyear_86-98        (naturally coded; _Iyear_86 omitted)
i.AgeTest_Yr      _IAgeTest_Y_5-14    (naturally coded; _IAgeTest_Y_5 omitted)
note: Group_11to14 omitted because of collinearity
note: Group_5to14 omitted because of collinearity
note: _IAgeTest_Y_8 omitted because of collinearity
note: _IAgeTest_Y_13 omitted because of collinearity
note: NonRelCare_imp omitted because of collinearity
note: HealthCond_before_miss omitted because of collinearity
note: logBW_miss omitted because of collinearity
note: FirstBorn_miss omitted because of collinearity
note: RelCare_miss omitted because of collinearity
note: NonRelCare_miss omitted because of collinearity
note: Alc_BefBirth_miss omitted because of collinearity
note: Medicaid_0to3_miss omitted because of collinearity

Fixed-effects (within) regression               Number of obs      =      4687
Group variable: MotherID                        Number of groups   =       566

R-sq:  within  = 0.0499                         Obs per group: min =         1
       between = 0.0011                                        avg =       8.3
       overall = 0.0031                                        max =        27

                                                F(67,565)          =         .
corr(u_i, Xb)  = -0.1960                        Prob > F           =         .

                                             (Std. Err. adjusted for 566 clusters
>  in MotherID)
------------------------------------------------------------------------------
> -------------
                           |               Robust
                  Test_std |      Coef.   Std. Err.      t    P>|t|     [95% Co
> n
>  f. Interval]
------------------------------------------------------------------------------
> -------------
                   HS_5to6 |    .143359   .0854127     1.68   0.094    -.024406
> 3
>     .3111242
                  HS_7to10 |   .1321621   .0599851     2.20   0.028     .014341
```

```
> 2
>       .2499831
                    HS_11to14 |   .0538649   .0613483     0.88   0.380    -.066633
> 6
>       .1743635
                     Pre_5to6 |  -.0805881   .0850149    -0.95   0.344     -.24757
> 2
>       .0863957
                    Pre_7to10 |   .0461664   .0646962     0.71   0.476     -.08090
> 8
>       .1732408
                   Pre_11to14 |  -.0231258   .0691806    -0.33   0.738    -.159008
> 4
>       .1127567
                         Male |  -.0953086   .0462757    -2.06   0.040     -.18620
> 2
>      -.0044151
                    _Iyear_88 |  -.0955213   .0652679    -1.46   0.144    -.223718
> 7
>       .0326762
                    _Iyear_90 |  -.0148105   .1068843    -0.14   0.890    -.224749
> 7
>       .1951286
                    _Iyear_92 |   .1352687   .1462051     0.93   0.355    -.151903
> 3
>       .4224406
                    _Iyear_94 |   .1800222   .1884486     0.96   0.340    -.190123
> 2
>       .5501676
                    _Iyear_96 |   .3207088   .2306587     1.39   0.165    -.132344
> 4
>        .773762
                    _Iyear_98 |   .4733805   .2814036     1.68   0.093    -.079344
> 5
>       1.026105
                   Group_5to6 |   .3317681   .1899628     1.75   0.081    -.041351
> 4
>       .7048876
                  Group_7to10 |   .2167441   .1243112     1.74   0.082    -.027424
> 4
>       .4609125
                 Group_11to14 |          0  (omitted)
                  Group_5to14 |          0  (omitted)
                _IAgeTest_Y_6 |  -.0221241   .0665204    -0.33   0.740    -.152781
> 6
>       .1085334
                _IAgeTest_Y_7 |   .0474141   .0533675     0.89   0.375    -.057408
> 9
>       .1522371
                _IAgeTest_Y_8 |          0  (omitted)
                _IAgeTest_Y_9 |  -.0250178   .0560392    -0.45   0.655    -.135088
> 5
>       .0850528
               _IAgeTest_Y_10 |  -.0759238   .0553785    -1.37   0.171    -.184696
> 6
>       .0328491
               _IAgeTest_Y_11 |   .1403702   .0554291     2.53   0.012     .031497
> 8
>       .2492425
               _IAgeTest_Y_12 |   .1742165    .055212     3.16   0.002     .065770
> 6
>       .2826624
               _IAgeTest_Y_13 |          0  (omitted)
               _IAgeTest_Y_14 |   -.000472   .0561234    -0.01   0.993    -.110708
> 1
>        .109764
                 Res_0to3_imp |   .0674046   .0890195     0.76   0.449    -.107444
> 9
>       .2422541
       HealthCond_before_imp |  -.0564895   .1309302    -0.43   0.666    -.313658
> 9
>         .20068
```

```
                VLow_BW_imp |  -.3047487   .2018775    -1.51   0.132    -.701270
> 8
>       .0917735
                  logBW_imp |   .1137295   .1443449     0.79   0.431    -.169788
> 7
>       .3972477
              LogInc_0to3_imp |  -.0452994   .0765443    -0.59   0.554    -.195645
> 6
>       .1050467
             LogIncAt3_imp |   .0342453   .0489194     0.70   0.484    -.061840
> 8
>       .1303313
             FirstBorn_imp |   .0441497    .064467     0.68   0.494    -.082474
> 5
>       .1707739
              PPVTat3_imp |   .0010731    .009483     0.11   0.910    -.017553
> 2
>       .0196993
          HOME_Pct_0to3_imp |  -.0002281   .0019266    -0.12   0.906    -.004012
> 2
>        .003556
 Moth_HrsWorked_BefBirth_imp |   .0034417   .0041288     0.83   0.405    -.004667
> 8
>       .0115513
 Moth_HrsWorked_Avg_0to3_imp |   .0030245   .0039481     0.77   0.444    -.004730
> 2
>       .0107793
     Moth_HrsWorked_0to1_imp |   .0003241   .0040648     0.08   0.936    -.007659
> 9
>       .0083081
           Father_HH_0to3_imp |   .3084564    .125455     2.46   0.014     .062041
> 3
>       .5548715
             GMom_0to3_imp |   .1265608   .1149396     1.10   0.271    -.099200
> 3
>        .352322
              MomCare_imp |   .0297794   .1408648     0.21   0.833    -.246903
> 3
>        .306462
              RelCare_imp |   .0326423   .1543753     0.21   0.833    -.270577
> 4
>       .3358619
           NonRelCare_imp |          0  (omitted)
     Moth_Smoke_BefBirth_imp |   .1030088   .0844535     1.22   0.223    -.062872
> 3
>         .26889
            Alc_BefBirth_imp |  -.0751422   .1197307    -0.63   0.531    -.310313
> 8
>       .1600295
             Breastfed_imp |  -.1382343   .0757357    -1.83   0.068    -.286992
> 1
>       .0105235
           Doctor_0to3_imp |  -.1710986   .1011514    -1.69   0.091    -.369777
> 3
>       .0275801
          Dentist_0to3_imp |  -.0299912   .0896468    -0.33   0.738     -.20607
> 3
>       .1460905
        Moth_WeightChange_imp |  -.0021661   .0022571    -0.96   0.338    -.006599
> 5
>       .0022672
          Illness_1stYr_imp |  -.0385637   .0601714    -0.64   0.522    -.156750
> 6
>       .0796232
             Premature_imp |  -.0096457   .0741645    -0.13   0.897    -.155317
> 4
>        .136026
            Insurance_0to3_imp |  -.0865144   .1269615    -0.68   0.496    -.335888
> 5
>       .1628598
          Medicaid_0to3_imp |   .0317185   .1465561     0.22   0.829    -.256142
> 9
```

```
>      .3195798
               Res_0to3_miss |  -.2889416   .6571868    -0.44   0.660    -1.57976
> 9
>      1.001886
     HealthCond_before_miss |          0  (omitted)
               VLow_BW_miss |  -.0134625    .266598    -0.05   0.960    -.537106
> 7
>      .5101817
                logBW_miss |          0  (omitted)
            LogInc_0to3_miss |   .3115507    .151332     2.06   0.040     .014308
> 6
>      .6087927
              LogIncAt3_miss |   .0233809   .0621726     0.38   0.707    -.098736
> 7
>      .1454985
              FirstBorn_miss |          0  (omitted)
                PPVTat3_miss |  -.0293805   .0821151    -0.36   0.721    -.190668
> 6
>      .1319076
           HOME_Pct_0to3_miss |   .4960219   .2388177     2.08   0.038      .02694
> 3
>      .9651008
Moth_HrsWorked_BefBirth_miss |  -.0545644   .0738096    -0.74   0.460    -.199539
> 1
>      .0904103
Moth_HrsWorked_Avg_0to3_miss |   .0410997   .0714567     0.58   0.565    -.099253
> 6
>      .1814529
    Moth_HrsWorked_0to1_miss |   .0156615   .0656502     0.24   0.812    -.113286
> 7
>      .1446098
          Father_HH_0to3_miss |   .1263572   .0841259     1.50   0.134    -.038880
> 6
>      .2915949
               GMom_0to3_miss |   .2368219   .6798441     0.35   0.728    -1.09850
> 9
>      1.572152
                 MomCare_miss |  -.2193388   .2508395    -0.87   0.382    -.712030
> 6
>      .2733529
                 RelCare_miss |          0  (omitted)
              NonRelCare_miss |          0  (omitted)
    Moth_Smoke_BefBirth_miss |   .2061579   .2943338     0.70   0.484    -.371964
> 1
>      .7842799
            Alc_BefBirth_miss |          0  (omitted)
               Breastfed_miss |  -.0111288   .3440097    -0.03   0.974    -.686822
> 8
>      .6645652
             Doctor_0to3_miss |  -.3334158   .1519123    -2.19   0.029    -.631797
> 7
>      -.035034
            Dentist_0to3_miss |  -.2856172   .1455898    -1.96   0.050    -.571580
> 5
>      .0003461
     Moth_WeightChange_miss |   .1897375   .1660576     1.14   0.254    -.136428
> 1
>      .5159031
           Illness_1stYr_miss |   .0933786    .266057     0.35   0.726     -.42920
> 3
>      .6159602
               Premature_miss |  -.3674933   .2733956    -1.34   0.179     -.90448
> 9
>      .1695025
          Insurance_0to3_miss |    .249849    .318372     0.78   0.433    -.375488
> 3
>      .8751862
           Medicaid_0to3_miss |          0  (omitted)
                        _cons |  -1.075799   1.021996    -1.05   0.293    -3.08317
> 5
>      .9315778
------------------------------+---------------------------------------------------
```

```
> ----------------
                     sigma_u |   .81361986
                     sigma_e |   .66331674
                         rho |   .60072367   (fraction of variance due to u_i)
------------------------------------------------------------------------------
> ----------------

. test HS_5to6=HS_7to10=HS_11to14

 ( 1)  HS_5to6 - HS_7to10 = 0
 ( 2)  HS_5to6 - HS_11to14 = 0

       F(  2,   565) =    1.89
            Prob > F =    0.1523

. estadd scalar Difference_HS = r(p)

added scalar:
      e(Difference_HS) =  .15228961

. test HS_5to6=Pre_5to6

 ( 1)  HS_5to6 - Pre_5to6 = 0

       F(  1,   565) =    5.32
            Prob > F =    0.0214

. estadd scalar Difference_5to6 = r(p)

added scalar:
    e(Difference_5to6) =  .02139831

. test HS_7to10=Pre_7to10

 ( 1)  HS_7to10 - Pre_7to10 = 0

       F(  1,   565) =    1.31
            Prob > F =    0.2526

. estadd scalar Difference_7to10 = r(p)

added scalar:
   e(Difference_7to10) =  .25258352

. test HS_11to14=Pre_11to14

 ( 1)  HS_11to14 - Pre_11to14 = 0

       F(  1,   565) =    1.01
            Prob > F =    0.3146

. estadd scalar Difference_11to14 = r(p)

added scalar:
  e(Difference_11to14) =  .31459829

. estimates store Test

. estout Test using Table4.txt, starlevels(* 0.10 ** 0.05 *** 0.01) ///
>                                         keep(HS* Pre*) ///
>                                         cells(b(star fmt(3)) se(par([ ]) fmt(3)
> )) ///
>                                         stats(Difference_HS Difference_5to6 Dif
> ference_7to10 Difference_11to14 r2 N, fmt(3 3 3 3 3 0) ///
>                                         labels("p(All age effects equal)" "p(HS
> =Pre - 5 to 6)" "p(HS=Pre - 7 to 10)" "p(HS=Pre - 11 to 14)" "R squared" "Sampl
> e Size")) ///
>                                         label append
(note: file Table4.txt not found)
(output written to Table4.txt)
```

```
.
. *By subgroups*
.
. foreach g in Black Male lowAFQT {
  2.         xi: xtreg Test_std      HS_`g'_5to6 HS_`g'_7to10 HS_`g'_11to14 ///
>                                       HS_Non`g'_5to6 HS_Non`g'_7to10 HS_Non`g
> '_11to14 ///
>                                       Pre_`g'_5to6 Pre_`g'_7to10 Pre_`g'_11to
> 14 ///
>                                       Pre_Non`g'_5to6 Pre_Non`g'_7to10 Pre_No
> n`g'_11to14 ///
>                                       Male i.Age2_Yr104 `Covariates', fe vce(
> cluster MotherID)
  3.         test HS_`g'_5to6=HS_Non`g'_5to6
  4.         estadd scalar Diff_5to6_`g' = r(p)
  5.         test HS_`g'_7to10=HS_Non`g'_7to10
  6.         estadd scalar Diff_7to10_`g' = r(p)
  7.         test HS_`g'_11to14=HS_Non`g'_11to14
  8.         estadd scalar Diff_11to14_`g' = r(p)
  9.         estimates store HS_`g'
 10.         estout HS_`g' using Table4.txt,         starlevels(* 0.10 ** 0.05 **
> * 0.01) ///
>                                                         keep(HS_* Pre_*) ///
>                                                         cells(b(star fmt(3)) se
> (par([ ]) fmt(3))) ///
>                                                         stats(Diff_5to6_`g' Dif
> f_7to10_`g' Diff_11to14_`g' r2 N, fmt(3 3 3 3 0) ///
>                                                         labels("p(5 to 6 (`g'))
> " "p(7 to 10 `g'))" "p(11 to 14 `g')" "R squared" "Sample Size")) ///
>                                                         label append
 11.         drop _est_*
 12. }
i.Age2_Yr104      _IAge2_Yr10_18-32   (naturally coded; _IAge2_Yr10_18 omitted)
note: _IAge2_Yr10_32 omitted because of collinearity
note: NonRelCare_imp omitted because of collinearity
note: HealthCond_before_miss omitted because of collinearity
note: logBW_miss omitted because of collinearity
note: FirstBorn_miss omitted because of collinearity
note: RelCare_miss omitted because of collinearity
note: NonRelCare_miss omitted because of collinearity
note: Alc_BefBirth_miss omitted because of collinearity
note: Medicaid_0to3_miss omitted because of collinearity

Fixed-effects (within) regression               Number of obs      =      4687
Group variable: MotherID                        Number of groups   =       566

R-sq:  within  = 0.0522                         Obs per group: min =         1
       between = 0.0011                                        avg =       8.3
       overall = 0.0037                                        max =        27

                                                F(70,565)          =         .
corr(u_i, Xb)  = -0.2000                        Prob > F           =         .

                                              (Std. Err. adjusted for 566 clusters
>  in MotherID)
------------------------------------------------------------------------------
> ---------------
                    |               Robust
                Test_std |      Coef.   Std. Err.      t    P>|t|     [95% Co
> n
>  f. Interval]
------------------------------------------------------------------------------
> ---------------
             HS_Black_5to6 |    .285728   .0948104     3.01   0.003     .099504
> 2
>       .4719518
            HS_Black_7to10 |   .1265872   .0745579     1.70   0.090    -.019857
> 3
>       .2730317
           HS_Black_11to14 |   .0309011   .0762148     0.41   0.685    -.118797
> 9
>       .1806001
```