TECHNICAL APPENDIX

Sven E. Wilson

May 2019

This document contains commands and results associated with the paper:

Sven E. Wilson, "Does Adult Height Predict Later Mortality?: Comparative Evidence from the Early Indicators Samples." Economics and Human Biology 34 (2019) 274-285.

Please email questions and inquiries to: sven_wilson@byu.edu

Contents:

Cohorts Definitions:

1. Cohort 1: Rural whites
2. Cohort 2: Whites in small cities
3. Cohort 3: Whites in large cities
4. Cohort 4: Blacks

1. Table 5: Full Estimates

```
> by cohort: xtreg mort10_60 height* rdtc* i.besteyr native farmer illness wound disab, fe
cluster(comp
> id);

-----------------------------------------------------------------------------------------------
-> cohort = 1

Fixed-effects (within) regression               Number of obs     =      5,007
Group variable: compid                          Number of groups  =        301

R-sq:                                           Obs per group:
     within  = 0.0112                                         min =          1
     between = 0.0165                                         avg =       16.6
     overall = 0.0096                                         max =         46

                                                F(22,300)         =       2.85
corr(u_i, Xb)  = -0.1243                        Prob > F          =     0.0000

                                (Std. Err. adjusted for 301 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
   mort10_60 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    height63 |   .0735897   .0263992     2.79   0.006     .0216386    .1255408
    height65 |   .0258389     .01948     1.33   0.186    -.0124958    .0641736
    height67 |   .0282416   .0148381     1.90   0.058    -.0009585    .0574416
    height71 |   .0580795   .0203678     2.85   0.005     .0179976    .0981614
    rdtc1895 |   .0021417   .0267119     0.08   0.936    -.0504247     .054708
    rdtc1896 |  -.0215334   .0247354    -0.87   0.385    -.0702103    .0271435
    rdtc1897 |   -.009486   .0237882    -0.40   0.690    -.0562988    .0373267
    rdtc1898 |  -.0191882   .0250641    -0.77   0.445     -.068512    .0301355
    rdtc1899 |  -.0248348   .0246962    -1.01   0.315    -.0734345    .0237649
    rdtc1901 |   -.012743    .025226    -0.51   0.614    -.0623854    .0368993
    rdtc1902 |   .0619382   .0283638     2.18   0.030     .0061209    .1177555
    rdtc1903 |   .0434891   .0370622     1.17   0.242    -.0294457    .1164238
    rdtc1904 |   .0732641   .0366308     2.00   0.046     .0011782    .1453501
             |
     besteyr |
       1862  |  -.0199861    .028572    -0.70   0.485    -.0762131    .0362409
       1863  |   -.002493   .0381479    -0.07   0.948    -.0775643    .0725783
       1864  |   .0509145   .0293245     1.74   0.084    -.0067932    .1086222
       1865  |   .0491635   .0547121     0.90   0.370    -.0585046    .1568316
             |
      native |  -.0226272   .0217343    -1.04   0.299    -.0653982    .0201437
      farmer |  -.0272222   .0149836    -1.82   0.070    -.0567085    .0022641
     illness |  -.0005965   .0159993    -0.04   0.970    -.0320815    .0308885
       wound |   .0407321   .0134423     3.03   0.003      .014279    .0671852
       disab |  -.0088157    .015789    -0.56   0.577     -.039887    .0222556
       _cons |   .2604237   .0359003     7.25   0.000     .1897754    .3310721
-------------+----------------------------------------------------------------
     sigma_u |  .16512731
     sigma_e |   .4448504
         rho |  .12110126   (fraction of variance due to u_i)
------------------------------------------------------------------------------

-----------------------------------------------------------------------------------------------
-> cohort = 2

Fixed-effects (within) regression               Number of obs     =      1,034
Group variable: compid                          Number of groups  =        162

R-sq:                                           Obs per group:
     within  = 0.0229                                         min =          1
     between = 0.0016                                         avg =        6.4
     overall = 0.0120                                         max =         35

                                                F(22,161)         =       1.58
```

```
corr(u_i, Xb)  = -0.1744                        Prob > F          =     0.0564

                               (Std. Err. adjusted for 162 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
   mort10_60 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    height63 |   .0438833   .0508954     0.86   0.390    -.0566252    .1443919
    height65 |  -.0079966   .0457032    -0.17   0.861    -.0982516    .0822584
    height67 |    .017407   .0425792     0.41   0.683    -.0666787    .1014928
    height71 |  -.0084029   .0533176    -0.16   0.875     -.113695    .0968892
    rdtc1895 |  -.1257845   .0670528    -1.88   0.062    -.2582009    .0066319
    rdtc1896 |  -.0379138   .0847295    -0.45   0.655    -.2052383    .1294108
    rdtc1897 |  -.0659121   .0807454    -0.82   0.416    -.2253688    .0935446
    rdtc1898 |  -.0016518   .0690964    -0.02   0.981    -.1381038    .1348003
    rdtc1899 |  -.0807454   .0641817    -1.26   0.210    -.2074919    .0460012
    rdtc1901 |  -.1049149   .0677556    -1.55   0.123    -.2387192    .0288894
    rdtc1902 |  -.0406085   .0599014    -0.68   0.499    -.1589023    .0776853
    rdtc1903 |  -.0780214   .0672141    -1.16   0.247    -.2107563    .0547136
    rdtc1904 |  -.1792305   .0705634    -2.54   0.012    -.3185797   -.0398813
             |
     besteyr |
       1862  |   .0351154   .0974886     0.36   0.719     -.157406    .2276367
       1863  |   .0061001   .1032338     0.06   0.953    -.1977669     .209967
       1864  |   .0461244    .082377     0.56   0.576    -.1165543    .2088031
       1865  |   .1303181   .1047117     1.24   0.215    -.0764674    .3371035
             |
      native |  -.0244522    .048049    -0.51   0.612    -.1193398    .0704354
      farmer |   .0259234   .0343458     0.75   0.451     -.041903    .0937499
     illness |   .0939472   .0408207     2.30   0.023     .0133342    .1745602
       wound |  -.0033531   .0393918    -0.09   0.932    -.0811443    .0744381
       disab |    -.08369   .0474479    -1.76   0.080    -.1773905    .0100104
       _cons |   .2757055    .090723     3.04   0.003      .096545    .4548659
-------------+----------------------------------------------------------------
     sigma_u |  .31034325
     sigma_e |  .46818785
         rho |  .30525841   (fraction of variance due to u_i)
------------------------------------------------------------------------------

-----------------------------------------------------------------------------------------------------
-> cohort = 3

Fixed-effects (within) regression               Number of obs     =        636
Group variable: compid                          Number of groups  =        117

R-sq:                                           Obs per group:
     within  = 0.0382                                         min =          1
     between = 0.0139                                         avg =        5.4
     overall = 0.0112                                         max =         31

                                                F(22,116)         =       1.38
corr(u_i, Xb)  = -0.2319                        Prob > F          =     0.1391

                               (Std. Err. adjusted for 117 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
   mort10_60 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    height63 |  -.0390086   .0610953    -0.64   0.524    -.1600154    .0819983
    height65 |   .0307089   .0629322     0.49   0.626    -.0939364    .1553541
    height67 |   .0219377   .0548992     0.40   0.690     -.086797    .1306725
    height71 |   .0715087   .1042265     0.69   0.494    -.1349249    .2779423
    rdtc1895 |  -.1543604   .0826104    -1.87   0.064    -.3179808    .0092599
    rdtc1896 |  -.0001209   .0953434    -0.00   0.999    -.1889606    .1887188
    rdtc1897 |   .0206354   .0949563     0.22   0.828    -.1674376    .2087084
    rdtc1898 |  -.0249185   .0895517    -0.28   0.781    -.2022869    .1524498
    rdtc1899 |  -.0414156   .0932393    -0.44   0.658    -.2260878    .1432565
    rdtc1901 |   .0442227   .0672965     0.66   0.512    -.0890666     .177512
    rdtc1902 |   .1093323   .1104126     0.99   0.324    -.1093538    .3280184
    rdtc1903 |  -.0348982   .1227012    -0.28   0.777    -.2779234    .2081271
    rdtc1904 |   .0086505   .1105272     0.08   0.938    -.2102626    .2275636
```

```
             |
     besteyr |
       1862  |  -.0274309    .090955    -0.30   0.764    -.2075787     .152717
       1863  |  -.1482415   .1517457    -0.98   0.331     -.448793      .15231
       1864  |  -.0920611   .0732657    -1.26   0.211    -.2371731    .0530509
       1865  |  -.1075942   .1215093    -0.89   0.378    -.3482587    .1330703
             |
      native |   .0562804   .0494301     1.14   0.257    -.0416222    .1541829
      farmer |  -.0590594   .0788694    -0.75   0.455    -.2152701    .0971514
     illness |   .0689919   .0478538     1.44   0.152    -.0257886    .1637723
       wound |   .0720338   .0478361     1.51   0.135    -.0227116    .1667792
       disab |  -.0650282   .0506158    -1.28   0.201    -.1652792    .0352228
       _cons |    .316317   .0863367     3.66   0.000     .1453163    .4873177
-------------+----------------------------------------------------------------
     sigma_u |  .33987386
     sigma_e |  .47639509
         rho |  .33730082   (fraction of variance due to u_i)
------------------------------------------------------------------------------

-----------------------------------------------------------------------------------------------
-> cohort = 4
insufficient observations

. /* sub model for blacks */
>         xtreg mort10_60 height* rdtc* i.besteyr wound disab if cohort==4, fe cluster(compid);

Fixed-effects (within) regression               Number of obs     =      2,282
Group variable: compid                          Number of groups  =        168

R-sq:                                           Obs per group:
     within  = 0.0080                                         min =          2
     between = 0.0000                                         avg =       13.6
     overall = 0.0071                                         max =         28

                                                F(17,167)         =       1.18
corr(u_i, Xb)  = -0.0427                        Prob > F          =     0.2829

                                (Std. Err. adjusted for 168 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
   mort10_60 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    height63 |  -.0148911   .0382746    -0.39   0.698    -.0904555    .0606732
    height65 |   .0166898   .0341515     0.49   0.626    -.0507345    .0841142
    height67 |  -.0062766   .0352965    -0.18   0.859    -.0759615    .0634083
    height71 |   .0426138   .0448652     0.95   0.344    -.0459624    .1311899
    rdtc1895 |    .024944    .045027     0.55   0.580    -.0639516    .1138395
    rdtc1896 |  -.0706527   .0462042    -1.53   0.128    -.1618724     .020567
    rdtc1897 |   .0168998   .0468513     0.36   0.719    -.0755973     .109397
    rdtc1898 |   .0099786    .048894     0.20   0.839    -.0865514    .1065087
    rdtc1899 |   .0012036   .0420478     0.03   0.977    -.0818103    .0842174
    rdtc1901 |   .0244449   .0419134     0.58   0.561    -.0583036    .1071934
    rdtc1902 |   -.003996    .037343    -0.11   0.915    -.0777212    .0697293
    rdtc1903 |   .0515776    .039965     1.29   0.199    -.0273241    .1304793
    rdtc1904 |   .0011994   .0464467     0.03   0.979     -.090499    .0928977
             |
     besteyr |
       1864  |   .0408874   .0323803     1.26   0.208    -.0230401     .104815
       1865  |  -.0287465    .047698    -0.60   0.548    -.1229153    .0654223
             |
       wound |  -.0100101   .0338076    -0.30   0.768    -.0767555    .0567353
       disab |   .0862934   .0384788     2.24   0.026     .0103257    .1622611
       _cons |   .3352333   .0416158     8.06   0.000     .2530724    .4173942
-------------+----------------------------------------------------------------
     sigma_u |  .15823541
     sigma_e |  .47732345
         rho |  .09901467   (fraction of variance due to u_i)
------------------------------------------------------------------------------
```

2. Estimates of the model in Table 5 without fixed effects

```
-> /* TABLE 5: Combined Regressions */
>
> reg mort10_60 height* , cluster(compid);
------------------------------------------------------------------------------

. /* EXPANDED MODEL (no FE) */
> by cohort: reg mort10_60 height* rdtc* i.besteyr native farmer illness wound disab drate,
cluster(com
> pid);

------------------------------------------------------------------------------------------------
-> cohort = 1

Linear regression                                      Number of obs     =      5,007
                                                       F(23, 300)        =       2.98
                                                       Prob > F          =     0.0000
                                                       R-squared         =     0.0127
                                                       Root MSE          =     .44504

                                   (Std. Err. adjusted for 301 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
   mort10_60 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    height63 |   .0697587   .0262847     2.65   0.008      .018033    .1214845
    height65 |   .0276343   .0185106     1.49   0.137    -.0087929    .0640614
    height67 |   .0328379   .0145593     2.26   0.025     .0041867    .0614891
    height71 |   .0541405   .0194268     2.79   0.006     .0159104    .0923706
    rdtc1895 |   .0148478   .0262269     0.57   0.572    -.0367643    .0664598
    rdtc1896 |  -.0111406   .0236926    -0.47   0.639    -.0577654    .0354842
    rdtc1897 |   .0002792   .0225897     0.01   0.990    -.0441752    .0447336
    rdtc1898 |  -.0100504    .023973    -0.42   0.675    -.0572268    .0371261
    rdtc1899 |  -.0135426   .0244075    -0.55   0.579    -.0615742    .0344889
    rdtc1901 |   -.005193   .0244145    -0.21   0.832    -.0532384    .0428524
    rdtc1902 |   .0673322   .0279438     2.41   0.017     .0123415     .122323
    rdtc1903 |   .0521071   .0357267     1.46   0.146    -.0181997    .1224138
    rdtc1904 |   .0883525    .035556     2.48   0.014     .0183817    .1583233
             |
     besteyr |
       1862  |  -.0218188   .0168834    -1.29   0.197    -.0550437    .0114062
       1863  |  -.0273331   .0291396    -0.94   0.349    -.0846769    .0300107
       1864  |   .0270305   .0212482     1.27   0.204    -.0147838    .0688449
       1865  |  -.0185905   .0284778    -0.65   0.514    -.0746321     .037451
             |
      native |  -.0228335   .0193286    -1.18   0.238    -.0608703    .0152033
      farmer |  -.0413334    .013438    -3.08   0.002     -.067778   -.0148887
     illness |  -.0052831   .0147893    -0.36   0.721     -.034387    .0238209
       wound |   .0319993   .0128557     2.49   0.013     .0067004    .0572981
       disab |  -.0126649    .015137    -0.84   0.403     -.042453    .0171231
       drate |   .1529507   .0837376     1.83   0.069    -.0118368    .3177381
       _cons |   .2583158   .0337761     7.65   0.000     .1918476    .3247839
------------------------------------------------------------------------------

------------------------------------------------------------------------------------------------
-> cohort = 2

Linear regression                                      Number of obs     =      1,034
                                                       F(23, 161)        =       1.47
                                                       Prob > F          =     0.0891
                                                       R-squared         =     0.0218
                                                       Root MSE          =     .46099

                                   (Std. Err. adjusted for 162 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
   mort10_60 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
```

```
    height63 |   .0705979   .0476909     1.48   0.141    -.0235824    .1647782
    height65 |   .0229319   .0418552     0.55   0.585    -.0597241    .1055878
    height67 |   .0142798   .0393645     0.36   0.717    -.0634575    .0920171
    height71 |   .0031534   .0495456     0.06   0.949    -.0946896    .1009965
    rdtc1895 |  -.0901536   .0654667    -1.38   0.170    -.2194378    .0391306
    rdtc1896 |  -.0386425   .0744266    -0.52   0.604    -.1856208    .1083358
    rdtc1897 |  -.0609407   .0696485    -0.87   0.383    -.1984831    .0766017
    rdtc1898 |   .0055341   .0638574     0.09   0.931     -.120572    .1316402
    rdtc1899 |  -.0897068   .0587485    -1.53   0.129    -.2057239    .0263102
    rdtc1901 |  -.1031212   .0634372    -1.63   0.106    -.2283975     .022155
    rdtc1902 |  -.0566132   .0543102    -1.04   0.299    -.1638654    .0506391
    rdtc1903 |  -.0720401   .0606825    -1.19   0.237    -.1918764    .0477963
    rdtc1904 |  -.1415712   .0620424    -2.28   0.024    -.2640931   -.0190493
             |
     besteyr |
       1862  |   .0258144   .0348197     0.74   0.460    -.0429478    .0945766
       1863  |   .0870525   .0757018     1.15   0.252    -.0624441    .2365492
       1864  |    .062326   .0369558     1.69   0.094    -.0106547    .1353066
       1865  |   .0272883   .0407801     0.67   0.504    -.0532446    .1078211
             |
      native |  -.0140778   .0382401    -0.37   0.713    -.0895946    .0614391
      farmer |   .0073266   .0280614     0.26   0.794    -.0480892    .0627425
     illness |    .081913   .0363343     2.25   0.026     .0101597    .1536663
       wound |  -.0212836   .0334668    -0.64   0.526    -.0873741    .0448069
       disab |  -.0852046   .0394908    -2.16   0.032    -.1631914   -.0072179
       drate |  -.0711633   .2098051    -0.34   0.735    -.4854881    .3431615
       _cons |   .2964529   .0828057     3.58   0.000     .1329275    .4599784
------------------------------------------------------------------------------

-------------------------------------------------------------------------------------------------
-> cohort = 3

Linear regression                                      Number of obs     =        636
                                                       F(23, 116)        =       0.91
                                                       Prob > F          =     0.5877
                                                       R-squared         =     0.0212
                                                       Root MSE          =     .48593

                                  (Std. Err. adjusted for 117 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
   mort10_60 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    height63 |   -.007963   .0599232    -0.13   0.895    -.1266484    .1107224
    height65 |   .0351189   .0581296     0.60   0.547    -.0800142    .1502519
    height67 |     .03121   .0525127     0.59   0.553    -.0727981     .135218
    height71 |   .0575625   .1006116     0.57   0.568    -.1417114    .2568364
    rdtc1895 |  -.0923489    .073504    -1.26   0.212    -.2379329    .0532351
    rdtc1896 |   .0246528   .0856835     0.29   0.774    -.1450541    .1943597
    rdtc1897 |  -.0420684   .0840506    -0.50   0.618    -.2085412    .1244043
    rdtc1898 |   .0006226   .0829725     0.01   0.994    -.1637148    .1649601
    rdtc1899 |  -.0499244    .082951    -0.60   0.548    -.2142194    .1143705
    rdtc1901 |   .0408719   .0642805     0.64   0.526    -.0864437    .1681875
    rdtc1902 |   .0666341   .0980764     0.68   0.498    -.1276185    .2608868
    rdtc1903 |   -.070817   .1162045    -0.61   0.543    -.3009747    .1593406
    rdtc1904 |   -.024014   .0989831    -0.24   0.809    -.2200624    .1720344
             |
     besteyr |
       1862  |   .0386157   .0538174     0.72   0.474    -.0679765    .1452079
       1863  |   .0025245   .1133158     0.02   0.982    -.2219117    .2269607
       1864  |    .009351   .0573225     0.16   0.871    -.1041835    .1228855
       1865  |   .0113346   .0786896     0.14   0.886      -.14452    .1671893
             |
      native |   .0142401   .0409773     0.35   0.729    -.0669206    .0954008
      farmer |  -.0526343   .0716295    -0.73   0.464    -.1945055     .089237
     illness |   .0367413   .0427571     0.86   0.392    -.0479445    .1214272
       wound |   .0287925   .0406933     0.71   0.481    -.0518058    .1093908
       disab |    -.09023   .0468709    -1.93   0.057    -.1830637    .0026038
       drate |    .023698   .3900959     0.06   0.952    -.7489361    .7963321
       _cons |   .3261497   .0944423     3.45   0.001     .1390948    .5132045
------------------------------------------------------------------------------
```

```
-------------------------------------------------------------------------------------------
-> cohort = 4

Linear regression                                      Number of obs     =      2,282
                                                       F(19, 167)        =       1.14
                                                       Prob > F          =     0.3161
                                                       R-squared         =     0.0083
                                                       Root MSE          =     .48167

                                  (Std. Err. adjusted for 168 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
   mort10_60 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    height63 |  -.0193518    .036587    -0.53   0.598    -.0915844    .0528808
    height65 |   .0016565   .0325273     0.05   0.959    -.0625612    .0658742
    height67 |  -.0121645   .0349039    -0.35   0.728    -.0810742    .0567453
    height71 |   .0365126   .0427693     0.85   0.394    -.0479255    .1209507
    rdtc1895 |   .0141212   .0434917     0.32   0.746    -.0717432    .0999856
    rdtc1896 |  -.0624981    .045124    -1.39   0.168    -.1515851    .0265889
    rdtc1897 |   .0266197   .0465767     0.57   0.568    -.0653354    .1185747
    rdtc1898 |   .0208676   .0474914     0.44   0.661    -.0728933    .1146285
    rdtc1899 |   .0040986   .0413943     0.10   0.921    -.0776249    .0858221
    rdtc1901 |   .0425283   .0417253     1.02   0.310    -.0398486    .1249053
    rdtc1902 |   .0096172   .0353938     0.27   0.786    -.0602598    .0794941
    rdtc1903 |    .065352   .0387443     1.69   0.094    -.0111397    .1418437
    rdtc1904 |    .010503   .0436422     0.24   0.810    -.0756585    .0966645
             |
     besteyr |
       1864  |   .0437283   .0244286     1.79   0.075    -.0045004    .0919569
       1865  |   .0081407   .0378015     0.22   0.830    -.0664897    .0827712
             |
     illness |   .0094474   .0223916     0.42   0.674    -.0347597    .0536546
       wound |   .0046001   .0317508     0.14   0.885    -.0580846    .0672847
       disab |   .0702086   .0389833     1.80   0.074    -.0067549    .1471722
       drate |  -.0483121   .1127941    -0.43   0.669    -.2709983     .174374
       _cons |     .33253   .0532375     6.25   0.000     .2274248    .4376351
------------------------------------------------------------------------------
```

3. Estimates of model in Table 5 with linear enlistment height

```
. by cohort: xtreg mort10_60 enlhgt rdtc* i.besteyr native farmer illness wound disab, fe
cluster(compid);

-----------------------------------------------------------------------------------------------
-> cohort = 1

Fixed-effects (within) regression               Number of obs     =      5,007
Group variable: compid                          Number of groups  =        301

R-sq:                                           Obs per group:
     within  = 0.0088                                         min =          1
     between = 0.0094                                         avg =       16.6
     overall = 0.0078                                         max =         46

                                                F(19,300)         =       2.29
corr(u_i, Xb)  = -0.1203                        Prob > F          =     0.0019

                                (Std. Err. adjusted for 301 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
   mort10_60 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      enlhgt |  -.0010706    .002598    -0.41   0.681    -.0061832    .0040419
    rdtc1895 |   .0001905   .0266881     0.01   0.994    -.0523292    .0527102
    rdtc1896 |  -.0207675   .0247628    -0.84   0.402    -.0694983    .0279634
    rdtc1897 |  -.0095133   .0238566    -0.40   0.690    -.0564607    .0374341
    rdtc1898 |  -.0195198   .0251253    -0.78   0.438    -.0689639    .0299244
    rdtc1899 |  -.0239909   .0249472    -0.96   0.337    -.0730845    .0251028
    rdtc1901 |   -.012516   .0252371    -0.50   0.620    -.0621802    .0371482
    rdtc1902 |   .0624696   .0284061     2.20   0.029     .0065692      .11837
    rdtc1903 |   .0409345   .0368507     1.11   0.268     -.031584     .113453
    rdtc1904 |   .0704015   .0365808     1.92   0.055    -.0015859    .1423889
             |
     besteyr |
       1862  |  -.0204467   .0286208    -0.71   0.476    -.0767696    .0358762
       1863  |  -.0036905    .037933    -0.10   0.923    -.0783389     .070958
       1864  |   .0504451   .0292119     1.73   0.085    -.0070411    .1079312
       1865  |   .0443675   .0541998     0.82   0.414    -.0622924    .1510273
             |
      native |   -.024281   .0218298    -1.11   0.267    -.0672398    .0186778
      farmer |  -.0276396   .0150006    -1.84   0.066    -.0571593      .00188
     illness |  -.0010553   .0160694    -0.07   0.948    -.0326783    .0305676
       wound |   .0409582   .0135118     3.03   0.003     .0143684    .0675481
       disab |   -.008618   .0158792    -0.54   0.588    -.0398667    .0226307
       _cons |   .3650406   .1774326     2.06   0.041     .0158704    .7142107
-------------+----------------------------------------------------------------
     sigma_u |  .16604876
     sigma_e |  .44525531
         rho |  .12209567   (fraction of variance due to u_i)
------------------------------------------------------------------------------


-----------------------------------------------------------------------------------------------
-> cohort = 2

Fixed-effects (within) regression               Number of obs     =      1,034
Group variable: compid                          Number of groups  =        162

R-sq:                                           Obs per group:
     within  = 0.0218                                         min =          1
     between = 0.0023                                         avg =        6.4
     overall = 0.0114                                         max =         35

                                                F(19,161)         =       1.51
corr(u_i, Xb)  = -0.1684                        Prob > F          =     0.0895
```

```
                                (Std. Err. adjusted for 162 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
   mort10_60 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      enlhgt |   .0012906   .0056321     0.23   0.819    -.0098317    .0124129
    rdtc1895 |  -.1338565   .0673182    -1.99   0.048     -.266797    -.000916
    rdtc1896 |  -.0416739     .08493    -0.49   0.624    -.2093944    .1260466
    rdtc1897 |  -.0658718   .0809004    -0.81   0.417    -.2256345    .0938909
    rdtc1898 |   .0002473   .0698448     0.00   0.997    -.1376828    .1381775
    rdtc1899 |  -.0791047   .0636347    -1.24   0.216     -.204771    .0465615
    rdtc1901 |  -.1059352   .0679199    -1.56   0.121    -.2400639    .0281935
    rdtc1902 |  -.0391322   .0596474    -0.66   0.513    -.1569245    .0786601
    rdtc1903 |  -.0772457   .0673564    -1.15   0.253    -.2102617    .0557703
    rdtc1904 |  -.1762695    .070552    -2.50   0.013    -.3155961   -.0369428
             |
     besteyr |
       1862  |   .0342885   .0976245     0.35   0.726    -.1585012    .2270782
       1863  |     .00488   .1039055     0.05   0.963    -.2003135    .2100735
       1864  |   .0460666   .0822644     0.56   0.576    -.1163897    .2085229
       1865  |   .1296304   .1062028     1.22   0.224    -.0800997    .3393605
             |
      native |  -.0282501   .0476378    -0.59   0.554    -.1223257    .0658255
      farmer |   .0239048   .0345193     0.69   0.490    -.0442642    .0920738
     illness |   .0936698   .0410359     2.28   0.024     .0126319    .1747078
       wound |  -.0053949   .0383954    -0.14   0.888    -.0812185    .0704287
       disab |  -.0827976   .0476315    -1.74   0.084    -.1768608    .0112655
       _cons |   .2005407   .3965192     0.51   0.614    -.5825086      .98359
-------------+----------------------------------------------------------------
     sigma_u |  .30961794
     sigma_e |  .46762974
         rho |  .30477208   (fraction of variance due to u_i)
------------------------------------------------------------------------------


-----------------------------------------------------------------------------------------------
-> cohort = 3

Fixed-effects (within) regression               Number of obs     =        636
Group variable: compid                          Number of groups  =        117

R-sq:                                           Obs per group:
     within  = 0.0363                                         min =          1
     between = 0.0142                                         avg =        5.4
     overall = 0.0102                                         max =         31

                                                F(19,116)         =       1.56
corr(u_i, Xb)  = -0.2314                        Prob > F          =     0.0792

                                (Std. Err. adjusted for 117 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
   mort10_60 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      enlhgt |   .0069494   .0071165     0.98   0.331    -.0071457    .0210446
    rdtc1895 |  -.1623768   .0849309    -1.91   0.058    -.3305932    .0058395
    rdtc1896 |  -.0072712    .095349    -0.08   0.939    -.1961219    .1815796
    rdtc1897 |   .0192514   .0948615     0.20   0.840    -.1686338    .2071366
    rdtc1898 |  -.0300268   .0888749    -0.34   0.736    -.2060548    .1460012
    rdtc1899 |  -.0439717   .0940831    -0.47   0.641    -.2303151    .1423717
    rdtc1901 |   .0381914   .0671588     0.57   0.571    -.0948251     .171208
    rdtc1902 |      .1053   .1084198     0.97   0.333     -.109439     .320039
    rdtc1903 |  -.0443135   .1223453    -0.36   0.718    -.2866337    .1980067
    rdtc1904 |   .0066786   .1104856     0.06   0.952    -.2121521    .2255093
             |
     besteyr |
       1862  |  -.0217109   .0933967    -0.23   0.817    -.2066949     .163273
       1863  |   -.145676   .1519535    -0.96   0.340    -.4466391    .1552872
       1864  |  -.0927017   .0733775    -1.26   0.209    -.2380351    .0526317
       1865  |  -.1076949   .1225066    -0.88   0.381    -.3503347     .134945
             |
```

```
      native |   .0538637   .0483315     1.11   0.267    -.0418629    .1495903
      farmer |  -.0597678   .0789794    -0.76   0.451    -.2161965    .0966609
     illness |   .0704846     .04778     1.48   0.143    -.0241496    .1651189
       wound |   .0719991   .0464324     1.55   0.124    -.0199662    .1639644
       disab |  -.0696477   .0501536    -1.39   0.168    -.1689833    .0296878
       _cons |  -.1303934   .4781291    -0.27   0.786    -1.077388    .8166015
-------------+----------------------------------------------------------------
     sigma_u |  .33828644
     sigma_e |   .4754298
         rho |  .33611569   (fraction of variance due to u_i)
------------------------------------------------------------------------------


-------------------------------------------------------------------------------------------------
-> cohort = 4
insufficient observations

. /* sub model for blacks */
>         xtreg mort10_60 enlhgt rdtc* i.besteyr illness wound disab if cohort==4, fe
cluster(compid);

Fixed-effects (within) regression               Number of obs     =      2,282
Group variable: compid                          Number of groups  =        168

R-sq:                                           Obs per group:
     within  = 0.0084                                         min =          2
     between = 0.0001                                         avg =       13.6
     overall = 0.0078                                         max =         28

                                                F(15,167)         =       1.43
corr(u_i, Xb)  = -0.0370                        Prob > F          =     0.1370

                                (Std. Err. adjusted for 168 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
   mort10_60 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
      enlhgt |   .0075503   .0043218     1.75   0.082    -.0009821    .0160826
    rdtc1895 |   .0250206   .0450317     0.56   0.579    -.0638842    .1139253
    rdtc1896 |  -.0725558   .0465041    -1.56   0.121    -.1643676     .019256
    rdtc1897 |   .0171851   .0469485     0.37   0.715    -.0755041    .1098742
    rdtc1898 |   .0064903   .0486194     0.13   0.894    -.0894976    .1024782
    rdtc1899 |   .0009535   .0421664     0.02   0.982    -.0822945    .0842015
    rdtc1901 |   .0256377   .0419255     0.61   0.542    -.0571345    .1084099
    rdtc1902 |  -.0042237   .0373831    -0.11   0.910    -.0780281    .0695808
    rdtc1903 |   .0529397   .0399403     1.33   0.187    -.0259133    .1317926
    rdtc1904 |   .0040388   .0462591     0.09   0.931    -.0872892    .0953669
             |
     besteyr |
       1864  |   .0415463   .0322281     1.29   0.199    -.0220807    .1051733
       1865  |  -.0260703    .047965    -0.54   0.587    -.1207662    .0686257
             |
     illness |   .0069574   .0249988     0.28   0.781    -.0423969    .0563118
       wound |  -.0118075   .0337342    -0.35   0.727    -.0784079    .0547929
       disab |   .0851588   .0386329     2.20   0.029     .0088869    .1614306
       _cons |  -.1707594   .2934276    -0.58   0.561    -.7500651    .4085462
-------------+----------------------------------------------------------------
     sigma_u |  .15815163
     sigma_e |  .47699381
         rho |  .09904344   (fraction of variance due to u_i)
------------------------------------------------------------------------------
```

4. Full Estimates of Table 6

Cohort 1:

```
. stcox height* rdtc* i.besteyr native farmer illness wound disab if cohort==1, cluster(compid);

Cox regression -- Breslow method for ties

No. of subjects      =        5,007             Number of obs    =       5,007
No. of failures      =        5,007
Time at risk         =  77917.70295
                                                Wald chi2(22)    =       60.75
Log pseudolikelihood =   -37619.806             Prob > chi2      =      0.0000

                               (Std. Err. adjusted for 301 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
          _t | Haz. Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    height63 |   1.052407   .0648005     0.83   0.407     .9327648    1.187395
    height65 |   .9926727   .0397251    -0.18   0.854     .9177881    1.073667
    height67 |   1.012518   .0335715     0.38   0.708     .9488119    1.080502
    height71 |   1.127987   .0478853     2.84   0.005     1.037932    1.225855
    rdtc1895 |   1.090765   .0671391     1.41   0.158     .9668028    1.230622
    rdtc1896 |   1.023336   .0567773     0.42   0.678     .9178913    1.140893
    rdtc1897 |   1.026343   .0565704     0.47   0.637     .9212465     1.14343
    rdtc1898 |   1.029478   .0533173     0.56   0.575     .9301067    1.139466
    rdtc1899 |   1.045133   .0545162     0.85   0.397     .9435635    1.157635
    rdtc1901 |   1.065295   .0549069     1.23   0.220     .9629367    1.178534
    rdtc1902 |   1.151599   .0668268     2.43   0.015     1.027795    1.290317
    rdtc1903 |   1.063948   .0765029     0.86   0.389     .9240911    1.224971
    rdtc1904 |   1.098023     .09841     1.04   0.297     .9211337    1.308881
             |
     besteyr |
       1862  |   .9938913   .0442866    -0.14   0.891     .9107735    1.084594
       1863  |   .8976225   .0566601    -1.71   0.087     .7931655    1.015836
       1864  |   1.053272   .0533292     1.03   0.305     .9537675    1.163157
       1865  |   .9282939   .0574263    -1.20   0.229     .8222963    1.047955
             |
      native |   .9827773   .0408054    -0.42   0.676     .9059678    1.066099
      farmer |   .8454419   .0262627    -5.40   0.000     .7955035    .8985151
     illness |   .9304371   .0313059    -2.14   0.032     .8710581     .993864
       wound |   1.046836   .0309415     1.55   0.121     .9879148    1.109271
       disab |   .9751323   .0343099    -0.72   0.474     .9101524    1.044751
------------------------------------------------------------------------------
```

Cohort 2:

```
. stcox height* rdtc* i.besteyr native farmer illness wound disab if cohort==2, cluster(compid);


Cox regression -- Breslow method for ties

No. of subjects      =        1,034             Number of obs    =       1,034
No. of failures      =        1,034
Time at risk         =  15392.23819
                                                Wald chi2(22)    =       36.88
Log pseudolikelihood =   -6135.0526             Prob > chi2      =      0.0244

                               (Std. Err. adjusted for 162 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
          _t | Haz. Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    height63 |   .9289154   .1019376    -0.67   0.502     .7491465    1.151823
    height65 |   .9976805   .0795216    -0.03   0.977     .8533854    1.166374
    height67 |   1.059359   .0750162     0.81   0.415     .9220773    1.217081
    height71 |   1.082775   .1020858     0.84   0.399     .9000889    1.302539
```

```
    rdtc1895 |   .7757798   .0973135    -2.02   0.043     .6066862    .9920026
    rdtc1896 |   .7212157   .1131914    -2.08   0.037     .5302407    .9809734
    rdtc1897 |   .8357328   .0981286    -1.53   0.126     .6639304    1.051992
    rdtc1898 |   .9641044   .1203882    -0.29   0.770     .7548038    1.231442
    rdtc1899 |   .9271704   .1100453    -0.64   0.524     .7347354    1.170006
    rdtc1901 |   .7820948   .0992585    -1.94   0.053     .6098601    1.002971
    rdtc1902 |   .8299657   .0956211    -1.62   0.106      .662205    1.040226
    rdtc1903 |   .8339704    .094289    -1.61   0.108     .6682108    1.040849
    rdtc1904 |   .7433249   .0878385    -2.51   0.012     .5896474    .9370548
             |
     besteyr |
       1862  |   1.184022   .0970455     2.06   0.039     1.008308    1.390358
       1863  |   1.224738   .1767157     1.41   0.160     .9230487    1.625032
       1864  |   1.272654   .1096868     2.80   0.005      1.07485    1.506862
       1865  |   1.224327   .1240708     2.00   0.046      1.00378    1.493332
             |
      native |   .8999449   .0593471    -1.60   0.110     .7908301    1.024115
      farmer |   .8965112    .059508    -1.65   0.100     .7871459    1.021072
     illness |   1.193515   .0774486     2.73   0.006     1.050975    1.355387
       wound |   .9434253   .0678798    -0.81   0.418     .8193383    1.086305
       disab |    .902144   .0818402    -1.14   0.256     .7551915    1.077692
------------------------------------------------------------------------------
```

Cohort 3:

```
. stcox height* rdtc* i.besteyr native farmer illness wound disab if cohort==3, cluster(compid);

         failure _d:  1 (meaning all fail)
   analysis time _t:  e60

Iteration 0:   log pseudolikelihood = -3473.7803
Iteration 1:   log pseudolikelihood = -3464.4778
Iteration 2:   log pseudolikelihood = -3464.4241
Iteration 3:   log pseudolikelihood = -3464.4241
Refining estimates:
Iteration 0:   log pseudolikelihood = -3464.4241

Cox regression -- Breslow method for ties

No. of subjects      =          636             Number of obs    =         636
No. of failures      =          636
Time at risk         =  8447.137591
                                                 Wald chi2(22)    =       38.70
Log pseudolikelihood =   -3464.4241              Prob > chi2      =      0.0153

                                (Std. Err. adjusted for 117 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
          _t | Haz. Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    height63 |   .8380807   .0977577    -1.51   0.130     .6668032    1.053353
    height65 |   .9643751   .1238606    -0.28   0.778     .7497577    1.240426
    height67 |   1.066505   .1265077     0.54   0.587     .8452675    1.345648
    height71 |   1.011478   .1728353     0.07   0.947     .7236157    1.413854
    rdtc1895 |   .8037961   .0870714    -2.02   0.044     .6500389    .9939224
    rdtc1896 |   1.015401   .1437749     0.11   0.914     .7693295    1.340179
    rdtc1897 |   .8887325   .1443993    -0.73   0.468     .6463529    1.222003
    rdtc1898 |    .950911   .1485614    -0.32   0.747     .7000936    1.291587
    rdtc1899 |   1.022779   .1606464     0.14   0.886     .7517693    1.391486
    rdtc1901 |   1.133932   .1965478     0.73   0.468     .8073197    1.592679
    rdtc1902 |   .9801501   .2002863    -0.10   0.922     .6566832    1.462949
    rdtc1903 |   .7001524   .1395448    -1.79   0.074     .4737429    1.034767
    rdtc1904 |   .9676179   .2077877    -0.15   0.878     .6352075    1.473982
             |
     besteyr |
       1862  |   1.170024   .1382004     1.33   0.184     .9282239    1.474812
       1863  |   1.205349   .2811993     0.80   0.423     .7630158     1.90411
       1864  |   1.058906   .1276427     0.47   0.635     .8360874    1.341106
       1865  |   1.035897   .1814686     0.20   0.840     .7348573     1.46026
             |
```

```
      native |   1.035748   .0875038     0.42   0.678     .8776904    1.222269
      farmer |    .831123   .1277227    -1.20   0.229     .6149745    1.123242
     illness |   1.199935   .1059991     2.06   0.039     1.009171    1.426759
       wound |   .9844104   .0844627    -0.18   0.855     .8320374    1.164688
       disab |   .9811592   .0896628    -0.21   0.835     .8202624    1.173616
------------------------------------------------------------------------------


Cohort 4:

Cox regression -- Breslow method for ties

No. of subjects      =        2,282             Number of obs    =       2,282
No. of failures      =        2,282
Time at risk         =  30863.07464
                                                Wald chi2(18)    =       34.89
Log pseudolikelihood =   -15354.392             Prob > chi2      =      0.0098

                                (Std. Err. adjusted for 168 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
          _t | Haz. Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    height63 |   1.036839   .0743772     0.50   0.614     .9008468    1.193362
    height65 |    1.04224   .0637279     0.68   0.499     .9245294    1.174937
    height67 |     1.0192   .0694406     0.28   0.780     .8917944    1.164806
    height71 |   1.186694   .1062914     1.91   0.056      .995628    1.414426
    rdtc1895 |   .9429236    .084847    -0.65   0.514     .7904654    1.124787
    rdtc1896 |   .9406461   .0914511    -0.63   0.529     .7774476    1.138103
    rdtc1897 |   1.113772   .1062858     1.13   0.259     .9237771    1.342843
    rdtc1898 |   1.004159   .0899059     0.05   0.963     .8425418    1.196778
    rdtc1899 |   1.001653   .0795462     0.02   0.983     .8572727    1.170349
    rdtc1901 |   1.096393   .0921086     1.10   0.273     .9299431    1.292636
    rdtc1902 |    1.02972   .0761607     0.40   0.692     .8907629    1.190354
    rdtc1903 |   1.041738   .0886786     0.48   0.631     .8816566    1.230885
    rdtc1904 |    1.08182   .0852265     1.00   0.318     .9270359    1.262447
             |
     besteyr |
       1864  |   1.192076    .062153     3.37   0.001     1.076276    1.320335
       1865  |   1.070758   .0657216     1.11   0.265     .9493928    1.207639
             |
     illness |    .964559   .0438091    -0.79   0.427     .8824056    1.054361
       wound |   1.003456    .061984     0.06   0.955     .8890353    1.132602
       disab |   1.172516   .0910424     2.05   0.040      1.00699    1.365249
------------------------------------------------------------------------------
```

5. Estimates of the OLS model in Table 7 with restricted ages

```
-----------------------------------------------------------------------------------------------
-> cohort = 1

Fixed-effects (within) regression               Number of obs     =      2,036
Group variable: compid                          Number of groups  =        287

R-sq:                                           Obs per group:
     within  = 0.0236                                         min =          1
     between = 0.0026                                         avg =        7.1
     overall = 0.0147                                         max =         19

                                                F(22,286)         =       2.40
corr(u_i, Xb)  = -0.1494                        Prob > F          =     0.0006

                                (Std. Err. adjusted for 287 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
   mort10_60 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    height63 |   .1457582   .0495911     2.94   0.004     .0481483    .2433681
    height65 |   .0553932    .030963     1.79   0.075     -.005551    .1163375
    height67 |   .0242436   .0259324     0.93   0.351    -.0267989    .0752861
    height71 |    .085167   .0318455     2.67   0.008     .0224857    .1478483
    rdtc1895 |   -.037696   .0488141    -0.77   0.441    -.1337765    .0583845
    rdtc1896 |  -.0688633    .048623    -1.42   0.158    -.1645676    .0268409
    rdtc1897 |  -.0398175    .045933    -0.87   0.387    -.1302271    .0505921
    rdtc1898 |  -.0719627   .0475189    -1.51   0.131    -.1654939    .0215685
    rdtc1899 |  -.0884953    .050183    -1.76   0.079    -.1872702    .0102795
    rdtc1901 |   .2632173   .1278515     2.06   0.040     .0115681    .5148665
    rdtc1902 |  -.2829138   .1225729    -2.31   0.022    -.5241731   -.0416545
    rdtc1903 |   .0296384   .2618248     0.11   0.910    -.4857096    .5449863
    rdtc1904 |   .2112755   .2138736     0.99   0.324    -.2096904    .6322415
             |
     besteyr |
       1862  |   .0420244   .0496689     0.85   0.398    -.0557385    .1397874
       1863  |   -.001414   .0657156    -0.02   0.983    -.1307615    .1279335
       1864  |   .1013508   .0476779     2.13   0.034     .0075067    .1951948
       1865  |     .12561   .0662059     1.90   0.059    -.0047027    .2559227
             |
      native |  -.0243916    .033924    -0.72   0.473     -.091164    .0423808
      farmer |  -.0534511   .0252128    -2.12   0.035    -.1030774   -.0038248
     illness |   .0074448   .0270608     0.28   0.783    -.0458187    .0607084
       wound |   .0468711   .0243684     1.92   0.055    -.0010929    .0948352
       disab |    .001804   .0295563     0.06   0.951    -.0563715    .0599795
       _cons |   .2505009    .070108     3.57   0.000     .1125078    .3884941
-------------+----------------------------------------------------------------
     sigma_u |  .23083188
     sigma_e |  .44205345
         rho |  .21425216   (fraction of variance due to u_i)
------------------------------------------------------------------------------


-----------------------------------------------------------------------------------------------
-> cohort = 2
note: rdtc1903 omitted because of collinearity
note: rdtc1904 omitted because of collinearity

Fixed-effects (within) regression               Number of obs     =        474
Group variable: compid                          Number of groups  =        125

R-sq:                                           Obs per group:
     within  = 0.0778                                         min =          1
     between = 0.0003                                         avg =        3.8
     overall = 0.0141                                         max =         19
```

```
                                                F(20,124)         =       4.05
corr(u_i, Xb)  = -0.4523                        Prob > F          =     0.0000

                                (Std. Err. adjusted for 125 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
   mort10_60 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    height63 |     .15297   .0830606     1.84   0.068    -.0114303    .3173703
    height65 |   .0677521   .0700322     0.97   0.335    -.0708612    .2063654
    height67 |    .062125   .0605919     1.03   0.307    -.0578034    .1820533
    height71 |   .0993917   .0746548     1.33   0.186     -.048371    .2471543
    rdtc1895 |  -.2584129   .0840365    -3.08   0.003    -.4247446   -.0920811
    rdtc1896 |  -.1209587   .1035088    -1.17   0.245    -.3258317    .0839142
    rdtc1897 |  -.0998806   .0960984    -1.04   0.301    -.2900863    .0903251
    rdtc1898 |    .018071   .1056379     0.17   0.864    -.1910159     .227158
    rdtc1899 |  -.0767985   .0974908    -0.79   0.432      -.26976     .116163
    rdtc1901 |   .0294288   .1902344     0.15   0.877    -.3470983     .405956
    rdtc1902 |  -.1209237   .4397301    -0.27   0.784    -.9912727    .7494253
    rdtc1903 |          0  (omitted)
    rdtc1904 |          0  (omitted)
             |
     besteyr |
       1862  |   .1059756   .1209889     0.88   0.383    -.1334954    .3454466
       1863  |   .3808401   .2805558     1.36   0.177    -.1744584    .9361385
       1864  |   .0890653   .1316916     0.68   0.500    -.1715892    .3497198
       1865  |   .3298206   .1539286     2.14   0.034     .0251528    .6344885
             |
      native |  -.0702542    .072139    -0.97   0.332    -.2130375    .0725292
      farmer |   .0050415   .0517411     0.10   0.923    -.0973686    .1074515
     illness |   .1304383   .0563766     2.31   0.022     .0188531    .2420234
       wound |  -.0147973    .086833    -0.17   0.865    -.1866641    .1570696
       disab |  -.1472674   .0733891    -2.01   0.047    -.2925251   -.0020097
       _cons |   .2138871   .1549936     1.38   0.170    -.0928887    .5206629
-------------+----------------------------------------------------------------
     sigma_u |  .41199493
     sigma_e |  .46443906
         rho |   .4403754   (fraction of variance due to u_i)
------------------------------------------------------------------------------


-----------------------------------------------------------------------------------------------------
-> cohort = 3

Fixed-effects (within) regression               Number of obs     =        245
Group variable: compid                          Number of groups  =        101

R-sq:                                           Obs per group:
     within  = 0.1177                                         min =          1
     between = 0.0000                                         avg =        2.4
     overall = 0.0182                                         max =         11

                                                F(19,100)         =          .
corr(u_i, Xb)  = -0.3370                        Prob > F          =          .

                                (Std. Err. adjusted for 101 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
   mort10_60 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    height63 |   .0650504   .1430129     0.45   0.650     -.218683    .3487839
    height65 |   .1408992   .1217412     1.16   0.250    -.1006318    .3824302
    height67 |   .1423426   .1047031     1.36   0.177    -.0653853    .3500705
    height71 |  -.0236941   .1476101    -0.16   0.873    -.3165485    .2691602
    rdtc1895 |  -.2502181   .3392032    -0.74   0.462    -.9231877    .4227515
    rdtc1896 |  -.0961654   .3581255    -0.27   0.789    -.8066761    .6143453
    rdtc1897 |  -.0156185   .3499988    -0.04   0.964    -.7100062    .6787693
    rdtc1898 |  -.1552445   .3410652    -0.46   0.650    -.8319081     .521419
    rdtc1899 |  -.2114543   .2607479    -0.81   0.419    -.7287706    .3058621
    rdtc1901 |  -.2140846   .3627981    -0.59   0.556    -.9338658    .5056965
    rdtc1902 |          0  (omitted)
```

```
    rdtc1903 |          0  (omitted)
    rdtc1904 |  -.6328965   .3832337    -1.65   0.102    -1.393221    .1274284
             |
     besteyr |
       1862  |  -.2096288   .1296471    -1.62   0.109    -.4668449    .0475874
       1863  |  -.4718804    .188553    -2.50   0.014    -.8459642   -.0977967
       1864  |   -.037314   .1810189    -0.21   0.837    -.3964504    .3218224
       1865  |  -.2143614   .2121923    -1.01   0.315    -.6353448     .206622
             |
      native |   .0950522   .1053689     0.90   0.369    -.1139966     .304101
      farmer |  -.0216619   .1995321    -0.11   0.914     -.417528    .3742041
     illness |   .0088403   .0868042     0.10   0.919    -.1633767    .1810573
       wound |   .0889217   .0756997     1.17   0.243    -.0612642    .2391077
       disab |   -.088167   .0968867    -0.91   0.365    -.2803874    .1040535
       _cons |   .4392021   .3824753     1.15   0.254    -.3196181    1.198022
-------------+----------------------------------------------------------------
     sigma_u |  .44521058
     sigma_e |   .4671831
         rho |  .47593168   (fraction of variance due to u_i)
------------------------------------------------------------------------------


-----------------------------------------------------------------------------------------------
-> cohort = 4
insufficient observations

. /* sub model for blacks */
>         xtreg mort10_60 height* rdtc* i.besteyr wound disab if cohort==4, fe cluster(compid);

Fixed-effects (within) regression               Number of obs     =      1,053
Group variable: compid                          Number of groups  =        167

R-sq:                                           Obs per group:
     within  = 0.0160                                         min =          1
     between = 0.0060                                         avg =        6.3
     overall = 0.0086                                         max =         16

                                                F(17,166)         =       1.95
corr(u_i, Xb)  = -0.0715                        Prob > F          =     0.0171

                                (Std. Err. adjusted for 167 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
   mort10_60 |      Coef.   Std. Err.      t    P>|t|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    height63 |   -.010801   .0563774    -0.19   0.848    -.1221101    .1005081
    height65 |   .0090536   .0476479     0.19   0.850    -.0850204    .1031276
    height67 |   .0103306   .0467752     0.22   0.825    -.0820204    .1026815
    height71 |   .0277774   .0659474     0.42   0.674    -.1024264    .1579812
    rdtc1895 |  -.0397261   .0602622    -0.66   0.511    -.1587053    .0792531
    rdtc1896 |  -.1413549   .0691997    -2.04   0.043    -.2779797     -.00473
    rdtc1897 |  -.0314963   .0655939    -0.48   0.632    -.1610022    .0980096
    rdtc1898 |  -.0438504   .0642534    -0.68   0.496    -.1707095    .0830088
    rdtc1899 |  -.0759889    .059213    -1.28   0.201    -.1928964    .0409187
    rdtc1901 |   -.180959   .1110282    -1.63   0.105    -.4001683    .0382504
    rdtc1902 |  -.1795002   .1679323    -1.07   0.287    -.5110585    .1520582
    rdtc1903 |  -.4184027   .1045265    -4.00   0.000    -.6247754   -.2120301
    rdtc1904 |  -.3560289   .1219187    -2.92   0.004    -.5967401   -.1153177
             |
     besteyr |
       1864  |   -.015699   .0509421    -0.31   0.758     -.116277    .0848789
       1865  |  -.0242687   .0676108    -0.36   0.720    -.1577565    .1092191
             |
       wound |  -.0166403   .0499145    -0.33   0.739    -.1151894    .0819087
       disab |   .0756165    .063404     1.19   0.235    -.0495657    .2007987
       _cons |   .4233765   .0710542     5.96   0.000     .2830902    .5636629
-------------+----------------------------------------------------------------
     sigma_u |  .23784746
     sigma_e |  .47136848
         rho |  .20293975   (fraction of variance due to u_i)
```

6. Estimates of the Cox model in Table 7 with restricted ages

Cohort 1:

Cox regression -- Breslow method for ties

```
No. of subjects      =        2,036             Number of obs    =       2,036
No. of failures      =        2,036
Time at risk         =  31503.35112
                                                Wald chi2(22)    =       55.69
Log pseudolikelihood =   -13459.662             Prob > chi2      =      0.0001

                               (Std. Err. adjusted for 287 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
          _t | Haz. Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    height63 |   1.298429   .1280081     2.65   0.008     1.070288    1.575199
    height65 |   1.059217   .0712338     0.86   0.392      .928411    1.208452
    height67 |    1.02096   .0514993     0.41   0.681     .9248523    1.127055
    height71 |   1.151464   .0798113     2.03   0.042     1.005197    1.319014
    rdtc1895 |   .9772739   .0967873    -0.23   0.816       .80485    1.186636
    rdtc1896 |   .8974646    .088807    -1.09   0.274     .7392447    1.089548
    rdtc1897 |   .9175147   .0898112    -0.88   0.379     .7573435    1.111561
    rdtc1898 |   .9540872   .0928419    -0.48   0.629     .7884206    1.154564
    rdtc1899 |   .9384706   .1020191    -0.58   0.559     .7583827    1.161323
    rdtc1901 |   2.047893   .7740795     1.90   0.058     .9762544    4.295873
    rdtc1902 |   .5277013   .1667852    -2.02   0.043     .2840257    .9804348
    rdtc1903 |   .8337606   .2995971    -0.51   0.613     .4122656    1.686186
    rdtc1904 |   2.529513   1.011633     2.32   0.020     1.155086    5.539359
             |
     besteyr |
       1862  |   1.081637   .0662395     1.28   0.200     .9592987    1.219577
       1863  |   .8831714   .0946829    -1.16   0.247     .7157964    1.089684
       1864  |    1.09471   .0783068     1.27   0.206     .9515049    1.259469
       1865  |   .8991775   .0706867    -1.35   0.176     .7707798    1.048964
             |
      native |   1.010944   .0600675     0.18   0.855       .89981    1.135803
      farmer |   .8467013   .0418467    -3.37   0.001     .7685306    .9328232
     illness |   1.019601   .0495829     0.40   0.690     .9269083    1.121564
       wound |   1.043676   .0465463     0.96   0.338     .9563204    1.139011
       disab |   1.011171   .0573148     0.20   0.845     .9048515    1.129984
------------------------------------------------------------------------------
```

Cohort 2:

Cox regression -- Breslow method for ties

```
No. of subjects      =          474             Number of obs    =         474
No. of failures      =          474
Time at risk         =  6811.211491
                                                Wald chi2(20)    =       60.60
Log pseudolikelihood =   -2436.9321             Prob > chi2      =      0.0000

                               (Std. Err. adjusted for 125 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
          _t | Haz. Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    height63 |   1.117711   .1867084     0.67   0.505     .8056389    1.550668
    height65 |   1.108448   .1389565     0.82   0.411     .8669765    1.417173
    height67 |    1.17715    .138321     1.39   0.165     .9349996    1.482014
    height71 |   1.289474   .1869615     1.75   0.080     .9705016    1.713281
    rdtc1895 |   .7193839   .1171746    -2.02   0.043     .5227757    .9899336
    rdtc1896 |   .6742982   .1174687    -2.26   0.024     .4792533    .9487218
    rdtc1897 |   .7827803   .1188193    -1.61   0.107     .5813462     1.05401
    rdtc1898 |   .9994765    .158314    -0.00   0.997     .7327315    1.363328
    rdtc1899 |   .8338187   .1434628    -1.06   0.291     .5951385    1.168222
```

```
    rdtc1901 |   .9787021   .3722905    -0.06   0.955     .4643658    2.062723
    rdtc1902 |   1.460892   .9081427     0.61   0.542     .4319972    4.940324
    rdtc1903 |          1  (omitted)
    rdtc1904 |          1  (omitted)
             |
     besteyr |
       1862  |   .9014148   .1941078    -0.48   0.630     .5910574    1.374737
       1863  |   1.604807   .4943683     1.54   0.125     .8774174    2.935212
       1864  |   1.096607   .2266191     0.45   0.655     .7313851    1.644205
       1865  |    1.13603   .2279504     0.64   0.525     .7666403    1.683402
             |
      native |   .9196353   .0935877    -0.82   0.410      .753342    1.122636
      farmer |   .8824825   .0793624    -1.39   0.164     .7398725    1.052581
     illness |   1.311277   .1318823     2.69   0.007     1.076675    1.596998
       wound |   .9358942    .095806    -0.65   0.518     .7657563    1.143834
       disab |   .9207941   .1116982    -0.68   0.496     .7259495    1.167935
------------------------------------------------------------------------------


Cohort 3:

Cox regression -- Breslow method for ties

No. of subjects      =          245             Number of obs    =         245
No. of failures      =          245
Time at risk         =  3305.763175
                                                 Wald chi2(21)    =      358.69
Log pseudolikelihood =   -1098.0793              Prob > chi2      =      0.0000

                                (Std. Err. adjusted for 101 clusters in compid)
------------------------------------------------------------------------------
             |               Robust
          _t | Haz. Ratio   Std. Err.      z    P>|z|     [95% Conf. Interval]
-------------+----------------------------------------------------------------
    height63 |   .9420009   .2241441    -0.25   0.802     .5908979    1.501724
    height65 |   1.133199   .2298969     0.62   0.538     .7614113    1.686526
    height67 |   1.266212    .242905     1.23   0.219     .8693913    1.844155
    height71 |   1.453983   .4780047     1.14   0.255     .7633475    2.769468
    rdtc1895 |   .6383822   .1840904    -1.56   0.120     .3627603    1.123419
    rdtc1896 |   .7857973   .2703541    -0.70   0.484     .4003631    1.542293
    rdtc1897 |   .7321164   .2209874    -1.03   0.302     .4051792    1.322858
    rdtc1898 |   1.017926   .2981034     0.06   0.952     .5733752    1.807148
    rdtc1899 |   .6345693   .2220484    -1.30   0.194     .3196147    1.259886
    rdtc1901 |   .4777842   .2734189    -1.29   0.197     .1556394     1.46671
    rdtc1902 |          1  (omitted)
    rdtc1903 |   2.960055   .9306712     3.45   0.001     1.598355    5.481837
    rdtc1904 |   .1865176   .0713639    -4.39   0.000      .088113    .3948208
             |
     besteyr |
       1862  |   1.135623   .1736154     0.83   0.405      .841592    1.532382
       1863  |   1.046691   .3901757     0.12   0.903     .5040983    2.173309
       1864  |   .8619762   .1771215    -0.72   0.470     .5762193    1.289445
       1865  |   1.368008   .4444615     0.96   0.335     .7236623    2.586076
             |
      native |   1.077344   .1461375     0.55   0.583      .825833    1.405454
      farmer |    1.20577   .1958496     1.15   0.249     .8770133    1.657763
     illness |   1.082393   .1614603     0.53   0.596     .8079998    1.449968
       wound |   1.125804   .1551634     0.86   0.390     .8593033    1.474957
       disab |   .8176696   .1359929    -1.21   0.226     .5902119    1.132786
------------------------------------------------------------------------------

Cohort 4:

Cox regression -- Breslow method for ties

No. of subjects      =        1,053             Number of obs    =       1,053
No. of failures      =        1,053
Time at risk         =  14495.85492
                                                 Wald chi2(18)    =       47.78
Log pseudolikelihood =   -6264.3398              Prob > chi2      =      0.0002
```

(Std. Err. adjusted for 167 clusters in compid)

_t	Haz. Ratio	Robust Std. Err.	z	P>|z|	[95% Conf.	Interval]
height63	1.031051	.1022307	0.31	0.758	.8489498	1.252214
height65	1.060924	.0932184	0.67	0.501	.8930856	1.260304
height67	1.129696	.0971407	1.42	0.156	.9544833	1.337073
height71	1.150425	.1544637	1.04	0.297	.8842402	1.49674
rdtc1895	.9690217	.1218609	-0.25	0.802	.7573372	1.239875
rdtc1896	.988997	.1402869	-0.08	0.938	.7489522	1.305978
rdtc1897	1.189545	.1519365	1.36	0.174	.9261046	1.527925
rdtc1898	1.07082	.1358921	0.54	0.590	.8350162	1.373213
rdtc1899	1.0616	.1284105	0.49	0.621	.8375298	1.345618
rdtc1901	1.03392	.1871788	0.18	0.854	.7250816	1.474303
rdtc1902	.9745337	.2724889	-0.09	0.926	.5633689	1.68578
rdtc1903	.351865	.0855436	-4.30	0.000	.2184924	.566651
rdtc1904	.4167965	.2353042	-1.55	0.121	.1378398	1.260299
besteyr						
1864	1.218443	.0928314	2.59	0.010	1.04943	1.414676
1865	1.200428	.1258214	1.74	0.081	.9775042	1.474191
illness	.9194204	.0520411	-1.48	0.138	.8228759	1.027292
wound	1.123984	.1082418	1.21	0.225	.9306527	1.357477
disab	1.14442	.1344363	1.15	0.251	.9090624	1.440711