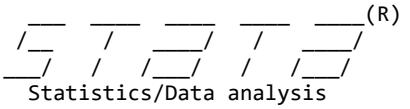


```
 1 .
 2 .
 3 . use "E:\16GBBACKUPUSB\BACKUP_USB_SEPTEMBER2014\May Baydoun_folder\UK_BIOBANK_PROJECT\UKB_PAPER3_LE8INFECTDEM\DATA\

 4 .
 5 .
 6 . **********TABLE 2***************
 7 .
 8 .
 9 . ***********************************************STSET FOR DEMENTIA*********************************
10 . stset Age_dementia, failure(dem_diag==1) enter(baselineage) id(n_eid) scale(1)

   Survival-time data settings

             ID variable: n_eid
           Failure event: dem_diag==1
   Observed time interval: (Age_dementia[_n-1], Age_dementia]
        Enter on or after: time baselineage
        Exit on or before: failure

   ------------------------------------------------------------------------------
       502,389  total observations
             3  event time missing (Age_dementia>=.)           PROBABLE ERROR
           228  observations end on or before enter()
   ------------------------------------------------------------------------------
       502,158  observations remaining, representing
       502,158  subjects
         7,668  failures in single-failure-per-subject data
     6,208,727  total analysis time at risk and under observation
                                                 At risk from t =         0
                                      Earliest observed entry t =  37.41821
                                           Last observed exit t =  87.63313

11 .
12 .
13 . ***************************************************************OVERALL******************
14 .
15 . **Model 1**
16 .
17 .  stcox infectionburdenhospbr AGE SEX NonWhite householdsize SES LE8_TOTALSCORE if sample_final2==1

            Failure _d: dem_diag==1
      Analysis time _t: Age_dementia
     Enter on or after: time baselineage
           ID variable: n_eid

   Iteration 0:   log likelihood = -70796.811
   Iteration 1:   log likelihood = -70139.744
   Iteration 2:   log likelihood = -70095.807
   Iteration 3:   log likelihood =   -70095.7
   Refining estimates:
   Iteration 0:   log likelihood =   -70095.7

   Cox regression with Breslow method for ties

   No. of subjects =     351,337                       Number of obs = 351,337
   No. of failures =       6,129
   Time at risk    = 4,349,875.9
                                                       LR chi2(7)    = 1402.22
   Log likelihood = -70095.7                           Prob > chi2   =  0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	**2.181555**	**.0637388**	**26.70**	**0.000**	**2.060139**	**2.310127**
AGE	**.918682**	**.0048455**	**-16.08**	**0.000**	**.9092339**	**.9282284**
SEX	**.7569637**	**.0195486**	**-10.78**	**0.000**	**.7196028**	**.7962644**
NonWhite	**1.114594**	**.075868**	**1.59**	**0.111**	**.9753876**	**1.273668**
householdsize	**.9555076**	**.0147458**	**-2.95**	**0.003**	**.9270392**	**.9848503**
SES	**.7335477**	**.014232**	**-15.97**	**0.000**	**.7061772**	**.7619791**
LE8_TOTALSCORE	**.9989881**	**.0001386**	**-7.30**	**0.000**	**.9987166**	**.9992598**

```
18 .
19 . **Model 2: Interaction with LE8 TOTAL SCORE**
20 .  stcox c.infectionburdenhospbr##c.LE8_TOTALSCOREtert AGE SEX NonWhite householdsize SES if sample_final2==1

          Failure _d: dem_diag==1
   Analysis time _t: Age_dementia
  Enter on or after: time baselineage
        ID variable: n_eid

Iteration 0:   log likelihood = -70796.811
Iteration 1:   log likelihood = -70168.819
Iteration 2:   log likelihood = -70105.984
Iteration 3:   log likelihood = -70105.471
Iteration 4:   log likelihood =  -70105.47
Refining estimates:
Iteration 0:   log likelihood =  -70105.47

Cox regression with Breslow method for ties

No. of subjects =     351,337                     Number of obs = 351,337
No. of failures =       6,129
Time at risk    = 4,349,875.9
                                                  LR chi2(8)    = 1382.68
Log likelihood = -70105.47                        Prob > chi2   =  0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	**2.280515**	**.1644521**	**11.43**	**0.000**	**1.979937**	**2.626725**
LE8_TOTALSCOREtert	**.9155058**	**.0172955**	**-4.67**	**0.000**	**.8822272**	**.9500397**
c.infectionburdenhospbr#c.LE8_TOTALSCOREtert	**.9782184**	**.0361093**	**-0.60**	**0.551**	**.9099449**	**1.051614**
AGE	**.9184208**	**.0048437**	**-16.14**	**0.000**	**.9089762**	**.9279636**
SEX	**.7558101**	**.0195219**	**-10.84**	**0.000**	**.7185003**	**.7950572**
NonWhite	**1.117176**	**.0760521**	**1.63**	**0.104**	**.9776329**	**1.276637**
householdsize	**.9555497**	**.0147494**	**-2.95**	**0.003**	**.9270743**	**.9848998**
SES	**.7271323**	**.0140408**	**-16.50**	**0.000**	**.7001271**	**.7551792**

```
21 .
```

```
22 . **Stratified analysis by LE8 TERTILES**
23 .
24 . **LOWEST TERTILE**
25 .
26 .  stcox infectionburdenhospbr AGE SEX NonWhite householdsize SES  if sample_final2==1 & LE8_TOTALSCOREtert==1

          Failure _d: dem_diag==1
    Analysis time _t: Age_dementia
  Enter on or after: time baselineage
        ID variable: n_eid

Iteration 0:   log likelihood = -26270.126
Iteration 1:   log likelihood = -25964.219
Iteration 2:   log likelihood = -25947.193
Iteration 3:   log likelihood = -25947.168
Refining estimates:
Iteration 0:   log likelihood = -25947.168

Cox regression with Breslow method for ties

No. of subjects =     123,145                         Number of obs = 123,145
No. of failures =       2,495
Time at risk    = 1,509,919.6
                                                      LR chi2(6)    =  645.92
Log likelihood = -25947.168                           Prob > chi2   =  0.0000

------------------------------------------------------------------------------
          _t | Haz. ratio   Std. err.      z    P>|z|     [95% conf. interval]
-------------+----------------------------------------------------------------
infectionbu~r |   2.242913   .0983337    18.42   0.000     2.058231    2.444167
         AGE |   .9092318   .0073961   -11.70   0.000     .8948506     .923844
         SEX |   .7613619   .0307877    -6.74   0.000     .7033484    .8241604
    NonWhite |   1.144668   .1136764     1.36   0.174     .9422084    1.390631
householdsize |   .9319341   .0235673    -2.79   0.005      .886869    .9792891
         SES |   .7059741   .0206307   -11.91   0.000     .6666748    .7475899
------------------------------------------------------------------------------

27 .
28 . **MIDDLE TERTILE**
29 .
30 . stcox infectionburdenhospbr AGE SEX NonWhite householdsize SES  if sample_final2==1 & LE8_TOTALSCOREtert==2

          Failure _d: dem_diag==1
    Analysis time _t: Age_dementia
  Enter on or after: time baselineage
        ID variable: n_eid

Iteration 0:   log likelihood = -21661.663
Iteration 1:   log likelihood = -21471.088
Iteration 2:   log likelihood = -21460.005
Iteration 3:   log likelihood = -21459.978
Refining estimates:
Iteration 0:   log likelihood = -21459.978

Cox regression with Breslow method for ties

No. of subjects =     119,710                         Number of obs = 119,710
No. of failures =       2,063
Time at risk    = 1,484,772.9
                                                      LR chi2(6)    =  403.37
Log likelihood = -21459.978                           Prob > chi2   =  0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	**2.12775**	**.1093138**	**14.70**	**0.000**	**1.923932**	**2.353159**
AGE	**.9163703**	**.0083893**	**-9.54**	**0.000**	**.9000742**	**.9329614**
SEX	**.778802**	**.0346886**	**-5.61**	**0.000**	**.7136967**	**.8498464**
NonWhite	**.9523379**	**.1210677**	**-0.38**	**0.701**	**.7423018**	**1.221804**
householdsize	**.9734532**	**.0237755**	**-1.10**	**0.271**	**.9279519**	**1.021186**
SES	**.7100653**	**.0238494**	**-10.19**	**0.000**	**.6648267**	**.7583823**

```
31 .
32 . **HIGHEST TERTILE**
33 .  stcox infectionburdenhospbr AGE SEX NonWhite householdsize SES  if sample_final2==1 & LE8_TOTALSCOREtert==3

          Failure _d: dem_diag==1
    Analysis time _t: Age_dementia
  Enter on or after: time baselineage
         ID variable: n_eid

Iteration 0:   log likelihood =  -16181.35
Iteration 1:   log likelihood = -16070.648
Iteration 2:   log likelihood = -16060.895
Iteration 3:   log likelihood = -16060.861
Refining estimates:
Iteration 0:   log likelihood = -16060.861

Cox regression with Breslow method for ties

No. of subjects =     108,482                         Number of obs = 108,482
No. of failures =       1,571
Time at risk    = 1,355,183.4
                                                      LR chi2(6)    =  240.98
Log likelihood = -16060.861                           Prob > chi2   =  0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	**2.163168**	**.131182**	**12.72**	**0.000**	**1.920748**	**2.436184**
AGE	**.9375604**	**.0099515**	**-6.07**	**0.000**	**.9182574**	**.9572692**
SEX	**.7302279**	**.0373505**	**-6.15**	**0.000**	**.6605722**	**.8072287**
NonWhite	**1.29221**	**.1786173**	**1.85**	**0.064**	**.9855406**	**1.694304**
householdsize	**.9725501**	**.0288277**	**-0.94**	**0.348**	**.9176589**	**1.030725**
SES	**.8047194**	**.032364**	**-5.40**	**0.000**	**.7437229**	**.8707186**

```
34 .
35 . ********************************************AMONG MEN*************************************
36 .
37 .
38 .
39 .
40 . **Model 1**
```

```
41 .
42 .  stcox infectionburdenhospbr AGE SEX NonWhite householdsize SES LE8_TOTALSCORE if SEX==1 & sample_final2==1

          Failure _d: dem_diag==1
    Analysis time _t: Age_dementia
  Enter on or after: time baselineage
        ID variable: n_eid

note: SEX omitted because of collinearity.
Iteration 0:   log likelihood = -35909.287
Iteration 1:   log likelihood = -35550.191
Iteration 2:   log likelihood =  -35521.58
Iteration 3:   log likelihood = -35521.507
Refining estimates:
Iteration 0:   log likelihood = -35521.507

Cox regression with Breslow method for ties

No. of subjects =     162,530                         Number of obs = 162,530
No. of failures =       3,315
Time at risk    = 1,995,864.6
                                                      LR chi2(6)    =  775.56
Log likelihood = -35521.507                           Prob > chi2   =  0.0000

------------------------------------------------------------------------------
          _t | Haz. ratio   Std. err.      z    P>|z|     [95% conf. interval]
-------------+----------------------------------------------------------------
infectionbu~r |   2.262235   .0891501    20.72   0.000     2.094082    2.443891
         AGE |   .9196088   .0065051   -11.85   0.000     .9069471    .9324473
         SEX |          1  (omitted)
    NonWhite |   1.128083   .1017898     1.34   0.182     .9452249    1.346317
householdsize |   .9544325   .0196762    -2.26   0.024     .9166365    .9937869
         SES |   .7153171    .018281   -13.11   0.000     .6803696    .7520596
LE8_TOTALSCORE |   .9991218   .0001911    -4.59   0.000     .9987474    .9994963
------------------------------------------------------------------------------

43 .
44 . **Model 2: Interaction with LE8 TOTAL SCORE**
45 .  stcox c.infectionburdenhospbr##c.LE8_TOTALSCOREtert AGE SEX NonWhite householdsize SES  if SEX==1 & sample_final2

          Failure _d: dem_diag==1
    Analysis time _t: Age_dementia
  Enter on or after: time baselineage
        ID variable: n_eid

note: SEX omitted because of collinearity.
Iteration 0:   log likelihood = -35909.287
Iteration 1:   log likelihood = -35568.123
Iteration 2:   log likelihood = -35526.908
Iteration 3:   log likelihood = -35526.537
Iteration 4:   log likelihood = -35526.537
Refining estimates:
Iteration 0:   log likelihood = -35526.537

Cox regression with Breslow method for ties

No. of subjects =     162,530                         Number of obs = 162,530
No. of failures =       3,315
Time at risk    = 1,995,864.6
                                                      LR chi2(7)    =  765.50
Log likelihood = -35526.537                           Prob > chi2   =  0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	2.466839	.2408834	9.25	0.000	2.037146	2.987166
LE8_TOTALSCOREtert	.942654	.0245212	-2.27	0.023	.895798	.9919609
c.infectionburdenhospbr#c.LE8_TOTALSCOREtert	.9550623	.0478884	-0.92	0.359	.8656674	1.053689
AGE	.9190766	.0064981	-11.94	0.000	.9064283	.9319014
SEX	1	(omitted)				
NonWhite	1.13116	.102085	1.37	0.172	.9477735	1.350029
householdsize	.9543753	.0196926	-2.26	0.024	.9165485	.9937631
SES	.7092239	.0180468	-13.50	0.000	.6747205	.7454918

```
46 .
47 . **Stratification by LE8 TERTILES**
48 .
49 . **LOWEST TERTILE**
50 .
51 .  stcox infectionburdenhospbr AGE SEX NonWhite householdsize SES  if SEX==1 & sample_final2==1 & LE8_TOTALSCOREtert
```

```
        Failure _d: dem_diag==1
  Analysis time _t: Age_dementia
 Enter on or after: time baselineage
       ID variable: n_eid

note: SEX omitted because of collinearity.
Iteration 0:   log likelihood = -13432.092
Iteration 1:   log likelihood = -13255.752
Iteration 2:   log likelihood = -13243.745
Iteration 3:   log likelihood = -13243.725
Refining estimates:
Iteration 0:   log likelihood = -13243.725

Cox regression with Breslow method for ties

No. of subjects =      61,810                     Number of obs = 61,810
No. of failures =       1,362
Time at risk    = 751,539.348
                                                  LR chi2(5)    = 376.73
Log likelihood = -13243.725                       Prob > chi2   = 0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	2.324636	.1378722	14.22	0.000	2.069526	2.611193
AGE	.9116658	.0098303	-8.58	0.000	.892601	.9311379
SEX	1	(omitted)				
NonWhite	1.007559	.1431601	0.05	0.958	.7626527	1.331112
householdsize	.9493093	.0310374	-1.59	0.112	.8903851	1.012133
SES	.674743	.0258954	-10.25	0.000	.6258508	.7274548

```
52 .
53 . **MIDDLE TERTILE**
54 .
55 .  stcox infectionburdenhospbr AGE SEX NonWhite householdsize SES  if SEX==1 & sample_final2==1 & LE8_TOTALSCOREtert

          Failure _d: dem_diag==1
    Analysis time _t: Age_dementia
  Enter on or after: time baselineage
         ID variable: n_eid

note: SEX omitted because of collinearity.
Iteration 0:   log likelihood = -11014.892
Iteration 1:   log likelihood = -10895.189
Iteration 2:   log likelihood = -10885.923
Iteration 3:   log likelihood = -10885.897
Refining estimates:
Iteration 0:   log likelihood = -10885.897

Cox regression with Breslow method for ties

No. of subjects =      57,334                         Number of obs = 57,334
No. of failures =       1,126
Time at risk    = 706,646.333
                                                      LR chi2(5)    = 257.99
Log likelihood = -10885.897                           Prob > chi2   = 0.0000

------------------------------------------------------------------------------
          _t | Haz. ratio   Std. err.      z    P>|z|     [95% conf. interval]
-------------+----------------------------------------------------------------
infectionbu~r |   2.305951   .1576456    12.22   0.000     2.016777    2.636588
         AGE |   .9046803   .0111127    -8.16   0.000     .8831598    .9267252
         SEX |          1  (omitted)
    NonWhite |   .9659652   .1630427    -0.21   0.837     .6938881    1.344725
householdsize |   .9639049   .0316883    -1.12   0.263     .9037556    1.028057
         SES |   .7021607   .0308305    -8.05   0.000     .6442611    .7652636
------------------------------------------------------------------------------

56 .
57 . **HIGHEST TERTILE**
58 .  stcox infectionburdenhospbr AGE SEX NonWhite householdsize SES  if SEX==1 & sample_final2==1 & LE8_TOTALSCOREtert

          Failure _d: dem_diag==1
    Analysis time _t: Age_dementia
  Enter on or after: time baselineage
         ID variable: n_eid

note: SEX omitted because of collinearity.
Iteration 0:   log likelihood = -7869.8693
Iteration 1:   log likelihood = -7821.9409
Iteration 2:   log likelihood = -7817.0494
Iteration 3:   log likelihood = -7817.0314
Iteration 4:   log likelihood = -7817.0314
Refining estimates:
Iteration 0:   log likelihood = -7817.0314

Cox regression with Breslow method for ties

No. of subjects =      43,386                         Number of obs = 43,386
No. of failures =         827
Time at risk    = 537,678.938
                                                      LR chi2(5)    = 105.68
Log likelihood = -7817.0314                           Prob > chi2   = 0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	2.086448	.1735983	8.84	0.000	1.772496	2.456009
AGE	.9555833	.0139091	-3.12	0.002	.9287071	.9832373
SEX	1	(omitted)				
NonWhite	1.604837	.2602707	2.92	0.004	1.167842	2.205352
householdsize	.9553131	.0414975	-1.05	0.293	.8773455	1.040209
SES	.8023695	.0433825	-4.07	0.000	.7216917	.8920663

```
59 .
60 .
61 .
62 . ********************************************AMONG WOMEN************************************
63 .
64 .
65 .
66 .
67 . **Model 1**
68 .
69 .  stcox infectionburdenhospbr AGE SEX NonWhite householdsize SES LE8_TOTALSCORE if SEX==2 & sample_final2==1

          Failure _d: dem_diag==1
    Analysis time _t: Age_dementia
  Enter on or after: time baselineage
        ID variable: n_eid

note: SEX omitted because of collinearity.
Iteration 0:   log likelihood =  -30609.58
Iteration 1:   log likelihood = -30355.057
Iteration 2:   log likelihood = -30339.153
Iteration 3:   log likelihood = -30339.117
Refining estimates:
Iteration 0:   log likelihood = -30339.117

Cox regression with Breslow method for ties

No. of subjects =     188,807                         Number of obs = 188,807
No. of failures =       2,814
Time at risk    = 2,354,011.3
                                                      LR chi2(6)    =  540.93
Log likelihood = -30339.117                           Prob > chi2   =  0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	2.088816	.0910154	16.91	0.000	1.917834	2.275042
AGE	.9163968	.007263	-11.02	0.000	.9022716	.9307431
SEX	1	(omitted)				
NonWhite	1.10273	.1144819	0.94	0.346	.8997054	1.351569
householdsize	.9577575	.0221592	-1.87	0.062	.9152962	1.002189
SES	.7591478	.0226377	-9.24	0.000	.7160504	.804839
LE8_TOTALSCORE	.9988574	.000202	-5.65	0.000	.9984616	.9992534

```
70 .
71 . **Model 2: Interaction with LE8 TOTAL SCORE**
72 .  stcox c.infectionburdenhospbr##c.LE8_TOTALSCOREtert AGE SEX NonWhite householdsize SES  if SEX==2 & sample_final2

          Failure _d: dem_diag==1
    Analysis time _t: Age_dementia
  Enter on or after: time baselineage
         ID variable: n_eid

note: SEX omitted because of collinearity.
Iteration 0:   log likelihood =  -30609.58
Iteration 1:   log likelihood = -30365.116
Iteration 2:   log likelihood = -30343.059
Iteration 3:   log likelihood = -30342.905
Iteration 4:   log likelihood = -30342.905
Refining estimates:
Iteration 0:   log likelihood = -30342.905

Cox regression with Breslow method for ties

No. of subjects =     188,807                         Number of obs = 188,807
No. of failures =       2,814
Time at risk    = 2,354,011.3
                                                      LR chi2(7)    =  533.35
Log likelihood = -30342.905                           Prob > chi2   =  0.0000

------------------------------------------------------------------------------
                          _t | Haz. ratio   Std. err.      z    P>|z|     [95% conf. interval]
-----------------------------+------------------------------------------------
              infectionburdenhospbr |   2.0773   .2223106     6.83   0.000     1.684242    2.562088
                 LE8_TOTALSCOREtert |   .8876885   .0244241    -4.33   0.000      .841086    .9368731
                                    |
c.infectionburdenhospbr#c.LE8_TOTALSCOREtert |   1.006113   .0549132     0.11   0.911     .9040423    1.119709
                                    |
                                AGE |   .9163699   .0072639   -11.02   0.000     .9022429     .930718
                                SEX |          1  (omitted)
                           NonWhite |   1.104259    .114654     0.96   0.339     .9009312    1.353475
                      householdsize |   .9579463    .022153    -1.86   0.063     .9154965    1.002364
                                SES |   .7525759   .0223249    -9.58   0.000     .7100676     .797629
------------------------------------------------------------------------------

73 .
74 . **Stratif SEX==2  by LE8 TERTILES**
75 .
76 . **LOWEST TERTILE**
77 .
78 .  stcox infectionburdenhospbr AGE SEX NonWhite householdsize SES  if SEX==2 & sample_final2==1 & LE8_TOTALSCOREtert

          Failure _d: dem_diag==1
    Analysis time _t: Age_dementia
  Enter on or after: time baselineage
         ID variable: n_eid

note: SEX omitted because of collinearity.
Iteration 0:   log likelihood = -11106.178
Iteration 1:   log likelihood = -10989.531
Iteration 2:   log likelihood = -10983.359
Iteration 3:   log likelihood = -10983.348
Iteration 4:   log likelihood = -10983.348
Refining estimates:
Iteration 0:   log likelihood = -10983.348

Cox regression with Breslow method for ties
```

No. of subjects = **61,335** Number of obs = **61,335**
No. of failures = **1,133**
Time at risk = **758,380.258**

LR chi2(**5**) = **245.66**
Log likelihood = **-10983.348** Prob > chi2 = **0.0000**

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	**2.152431**	**.1401568**	**11.77**	**0.000**	**1.894535**	**2.445432**
AGE	**.9054377**	**.0112307**	**-8.01**	**0.000**	**.8836913**	**.9277193**
SEX	**1**	(omitted)				
NonWhite	**1.32295**	**.1838512**	**2.01**	**0.044**	**1.007515**	**1.737143**
householdsize	**.9126358**	**.0363466**	**-2.30**	**0.022**	**.8441072**	**.9867279**
SES	**.7518203**	**.0339335**	**-6.32**	**0.000**	**.6881688**	**.8213591**

```
79 .
80 . **MIDDLE TERTILE**
81 .
82 .  stcox infectionburdenhospbr AGE SEX NonWhite householdsize SES  if SEX==2 & sample_final2==1 & LE8_TOTALSCOREtert
```

Failure **_d**: **dem_diag==1**
Analysis time **_t**: **Age_dementia**
Enter on or after: **time baselineage**
ID variable: **n_eid**

note: **SEX** omitted because of collinearity.
Iteration 0: log likelihood = **-9212.595**
Iteration 1: log likelihood = **-9151.1335**
Iteration 2: log likelihood = **-9148.3781**
Iteration 3: log likelihood = **-9148.3732**
Refining estimates:
Iteration 0: log likelihood = **-9148.3732**

Cox regression with Breslow method for ties

No. of subjects = **62,376** Number of obs = **62,376**
No. of failures = **937**
Time at risk = **778,126.536**

LR chi2(**5**) = **128.44**
Log likelihood = **-9148.3732** Prob > chi2 = **0.0000**

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	**1.930278**	**.1506276**	**8.43**	**0.000**	**1.656522**	**2.249276**
AGE	**.9311919**	**.0127727**	**-5.20**	**0.000**	**.9064914**	**.9565656**
SEX	**1**	(omitted)				
NonWhite	**.943484**	**.1826355**	**-0.30**	**0.764**	**.6455987**	**1.378816**
householdsize	**.9880591**	**.0362644**	**-0.33**	**0.743**	**.9194785**	**1.061755**
SES	**.7207944**	**.037645**	**-6.27**	**0.000**	**.6506623**	**.7984858**

```
83 .
84 . **HIGHEST TERTILE**
85 .  stcox infectionburdenhospbr AGE SEX NonWhite householdsize SES  if SEX==2 & sample_final2==1 & LE8_TOTALSCOREtert
```

```
        Failure _d: dem_diag==1
  Analysis time _t: Age_dementia
  Enter on or after: time baselineage
        ID variable: n_eid

note: SEX omitted because of collinearity.
Iteration 0:   log likelihood = -7208.9888
Iteration 1:   log likelihood = -7157.4686
Iteration 2:   log likelihood = -7152.2818
Iteration 3:   log likelihood =  -7152.261
Iteration 4:   log likelihood =  -7152.261
Refining estimates:
Iteration 0:   log likelihood =  -7152.261

Cox regression with Breslow method for ties

No. of subjects =      65,096                     Number of obs = 65,096
No. of failures =         744
Time at risk    = 817,504.486
                                                  LR chi2(5)    = 113.46
Log likelihood = -7152.261                        Prob > chi2   = 0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	2.241957	.198647	9.11	0.000	1.884548	2.66715
AGE	.914763	.0143333	-5.69	0.000	.8870972	.9432917
SEX	1	(omitted)				
NonWhite	.8352659	.2259423	-0.67	0.506	.4915546	1.419312
householdsize	.9873219	.0404542	-0.31	0.755	.9111333	1.069881
SES	.8088973	.0487045	-3.52	0.000	.7188556	.9102172

```
86 .
87 .
88 . capture log close
```