```
 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 if sample_final==1, 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
         Keep observations
                   if exp: sample_final==1

   ------------------------------------------------------------------------------
       502,389  total observations
       147,343  ignored at outset because of if exp
   ------------------------------------------------------------------------------
       355,046  observations remaining, representing
       355,046  subjects
         6,335  failures in single-failure-per-subject data
     4,356,387  total analysis time at risk and under observation
                                                 At risk from t =         0
                                      Earliest observed entry t =  50.00137
                                           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_final==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 = -73314.873
   Iteration 1:   log likelihood = -72685.684
   Iteration 2:   log likelihood = -72638.543
   Iteration 3:   log likelihood = -72638.426
   Refining estimates:
   Iteration 0:   log likelihood = -72638.426

   Cox regression with Breslow method for ties

   No. of subjects =     355,046                       Number of obs = 355,046
   No. of failures =       6,335
   Time at risk    = 4,356,387.3
                                                       LR chi2(7)    = 1352.89
   Log likelihood = -72638.426                         Prob > chi2   =  0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	2.17916	.0625776	27.13	0.000	2.059898	2.305327
AGE	.942034	.0047914	-11.74	0.000	.9326897	.951472
SEX	.7537303	.0191484	-11.13	0.000	.7171192	.7922105
NonWhite	1.119465	.0743233	1.70	0.089	.9828734	1.275038
householdsize	.9582784	.0143507	-2.85	0.004	.9305604	.9868221
SES	.7321328	.0139612	-16.35	0.000	.7052743	.760014
LE8_TOTALSCORE	.9989937	.0001363	-7.38	0.000	.9987266	.9992608

```
18 .
19 . **Model 2: Interaction with LE8 TOTAL SCORE**
20 .  stcox c.infectionburdenhospbr##c.LE8_TOTALSCOREtert AGE SEX NonWhite householdsize SES if sample_final==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 = -73314.873
Iteration 1:   log likelihood = -72716.493
Iteration 2:   log likelihood = -72649.036
Iteration 3:   log likelihood = -72648.473
Iteration 4:   log likelihood = -72648.473
Refining estimates:
Iteration 0:   log likelihood = -72648.473

Cox regression with Breslow method for ties

No. of subjects =     355,046                     Number of obs = 355,046
No. of failures =       6,335
Time at risk    = 4,356,387.3
                                                  LR chi2(8)    = 1332.80
Log likelihood = -72648.473                       Prob > chi2   =  0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	2.283211	.1617678	11.65	0.000	1.987182	2.62334
LE8_TOTALSCOREtert	.9164532	.0170368	-4.69	0.000	.8836627	.9504605
c.infectionburdenhospbr#c.LE8_TOTALSCOREtert	.9769728	.0354493	-0.64	0.521	.9099065	1.048982
AGE	.9417692	.0047896	-11.80	0.000	.9324284	.9512036
SEX	.7525689	.019122	-11.19	0.000	.7160084	.7909961
NonWhite	1.122044	.0745028	1.73	0.083	.9851234	1.277994
householdsize	.9583145	.0143549	-2.84	0.004	.9305884	.9868668
SES	.7257394	.0137737	-16.89	0.000	.6992393	.7532438

```
21 .
```

```
22 . **Stratified analysis by LE8 TERTILES**
23 .
24 . **LOWEST TERTILE**
25 .
26 .  stcox infectionburdenhospbr AGE SEX NonWhite householdsize SES  if sample_final==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 = -27306.337
Iteration 1:   log likelihood = -27015.235
Iteration 2:   log likelihood = -26996.909
Iteration 3:   log likelihood = -26996.883
Refining estimates:
Iteration 0:   log likelihood = -26996.883

Cox regression with Breslow method for ties

No. of subjects =     124,912                         Number of obs = 124,912
No. of failures =       2,588
Time at risk    = 1,512,957.4
                                                      LR chi2(6)    =  618.91
Log likelihood = -26996.883                           Prob > chi2   =  0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	2.244968	.0965181	18.81	0.000	2.063547	2.442339
AGE	.9337368	.0073035	-8.77	0.000	.9195314	.9481616
SEX	.7620226	.0302526	-6.85	0.000	.7049768	.8236846
NonWhite	1.163219	.1116649	1.57	0.115	.9637162	1.404022
householdsize	.942385	.0227272	-2.46	0.014	.8988768	.9879991
SES	.7028256	.0201353	-12.31	0.000	.6644486	.7434192

```
27 .
28 . **MIDDLE TERTILE**
29 .
30 . stcox infectionburdenhospbr AGE SEX NonWhite householdsize SES  if sample_final==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 = -22262.288
Iteration 1:   log likelihood = -22083.588
Iteration 2:   log likelihood = -22072.209
Iteration 3:   log likelihood = -22072.182
Refining estimates:
Iteration 0:   log likelihood = -22072.182

Cox regression with Breslow method for ties

No. of subjects =     120,827                         Number of obs = 120,827
No. of failures =       2,117
Time at risk    = 1,486,758.9
                                                      LR chi2(6)    =  380.21
Log likelihood = -22072.182                           Prob > chi2   =  0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	**2.115136**	**.1073678**	**14.76**	**0.000**	**1.914829**	**2.336397**
AGE	**.9346149**	**.0083191**	**-7.60**	**0.000**	**.9184512**	**.9510631**
SEX	**.7746469**	**.0340611**	**-5.81**	**0.000**	**.710684**	**.8443665**
NonWhite	**.9582088**	**.1191317**	**-0.34**	**0.731**	**.7509871**	**1.22261**
householdsize	**.9815853**	**.0225811**	**-0.81**	**0.419**	**.9383102**	**1.026856**
SES	**.7120151**	**.0235821**	**-10.26**	**0.000**	**.6672634**	**.7597683**

```
31 .
32 . **HIGHEST TERTILE**
33 .  stcox infectionburdenhospbr AGE SEX NonWhite householdsize SES  if sample_final==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 = -16837.004
Iteration 1:   log likelihood = -16729.254
Iteration 2:   log likelihood = -16718.452
Iteration 3:   log likelihood = -16718.413
Refining estimates:
Iteration 0:   log likelihood = -16718.413

Cox regression with Breslow method for ties

No. of subjects =   109,307                         Number of obs = 109,307
No. of failures =     1,630
Time at risk    = 1,356,671
                                                    LR chi2(6)    =  237.18
Log likelihood = -16718.413                         Prob > chi2   =  0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	**2.166245**	**.1287614**	**13.00**	**0.000**	**1.928023**	**2.4339**
AGE	**.9657512**	**.0098284**	**-3.42**	**0.001**	**.9466787**	**.985208**
SEX	**.7213426**	**.0362655**	**-6.50**	**0.000**	**.6536532**	**.7960417**
NonWhite	**1.256703**	**.1721569**	**1.67**	**0.095**	**.9607839**	**1.643764**
householdsize	**.954409**	**.0301426**	**-1.48**	**0.140**	**.8971219**	**1.015354**
SES	**.8021063**	**.0317433**	**-5.57**	**0.000**	**.7422422**	**.8667986**

```
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_final==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 =  -37301.86
Iteration 1:   log likelihood = -36962.485
Iteration 2:   log likelihood = -36932.602
Iteration 3:   log likelihood = -36932.524
Refining estimates:
Iteration 0:   log likelihood = -36932.524

Cox regression with Breslow method for ties

No. of subjects =     164,922                         Number of obs = 164,922
No. of failures =       3,437
Time at risk    = 1,999,977.2
                                                      LR chi2(6)    =  738.67
Log likelihood = -36932.524                           Prob > chi2   =  0.0000

------------------------------------------------------------------------------
          _t | Haz. ratio   Std. err.      z    P>|z|     [95% conf. interval]
-------------+----------------------------------------------------------------
infectionbu~r |   2.243921   .0869169    20.87   0.000     2.079873    2.420908
         AGE |   .9434033   .0064338    -8.54   0.000     .9308772    .9560978
         SEX |          1  (omitted)
    NonWhite |   1.148594   .1003649     1.59   0.113     .9678049    1.363154
householdsize |   .9545773   .0192401    -2.31   0.021     .9176025    .9930421
         SES |   .7147539   .0179324   -13.39   0.000     .6804572    .7507793
LE8_TOTALSCORE |   .9991477   .0001876    -4.54   0.000       .99878    .9995154
------------------------------------------------------------------------------

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_final=

          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 =  -37301.86
Iteration 1:   log likelihood = -36980.298
Iteration 2:   log likelihood = -36937.828
Iteration 3:   log likelihood = -36937.452
Iteration 4:   log likelihood = -36937.452
Refining estimates:
Iteration 0:   log likelihood = -36937.452

Cox regression with Breslow method for ties

No. of subjects =     164,922                         Number of obs = 164,922
No. of failures =       3,437
Time at risk    = 1,999,977.2
                                                      LR chi2(7)    =  728.82
Log likelihood = -36937.452                           Prob > chi2   =  0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	**2.447516**	**.2348622**	**9.33**	**0.000**	**2.027891**	**2.953972**
LE8_TOTALSCOREtert	**.9449136**	**.0241252**	**-2.22**	**0.026**	**.8987927**	**.9934011**
c.infectionburdenhospbr#c.LE8_TOTALSCOREtert	**.9548768**	**.0470503**	**-0.94**	**0.349**	**.8669729**	**1.051694**
AGE	**.9428767**	**.006427**	**-8.63**	**0.000**	**.9303638**	**.9555579**
SEX	**1**	(omitted)				
NonWhite	**1.151619**	**.1006469**	**1.62**	**0.106**	**.9703245**	**1.366785**
householdsize	**.9545182**	**.0192569**	**-2.31**	**0.021**	**.9175117**	**.9930172**
SES	**.7088205**	**.0177064**	**-13.78**	**0.000**	**.6749524**	**.7443881**

```
46 .
47 . **Stratification by LE8 TERTILES**
48 .
49 . **LOWEST TERTILE**
50 .
51 .  stcox infectionburdenhospbr AGE SEX NonWhite householdsize SES  if SEX==1 & sample_final==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 = -13983.321
Iteration 1:   log likelihood = -13814.858
Iteration 2:   log likelihood =  -13802.24
Iteration 3:   log likelihood = -13802.219
Refining estimates:
Iteration 0:   log likelihood = -13802.219

Cox regression with Breslow method for ties

No. of subjects =     62,999                         Number of obs = 62,999
No. of failures =      1,415
Time at risk    = 753,558.77
                                                     LR chi2(5)    = 362.20
Log likelihood = -13802.219                          Prob > chi2   = 0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	**2.308614**	**.1343677**	**14.37**	**0.000**	**2.059724**	**2.587579**
AGE	**.9344584**	**.0097051**	**-6.53**	**0.000**	**.9156291**	**.9536749**
SEX	**1**	(omitted)				
NonWhite	**1.047079**	**.1424798**	**0.34**	**0.735**	**.801961**	**1.367116**
householdsize	**.9513592**	**.0301734**	**-1.57**	**0.116**	**.894021**	**1.012375**
SES	**.6739582**	**.0253569**	**-10.49**	**0.000**	**.6260477**	**.7255352**

```
52 .
53 . **MIDDLE TERTILE**
54 .
55 .  stcox infectionburdenhospbr AGE SEX NonWhite householdsize SES  if SEX==1 & sample_final==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 =  -11365.47
Iteration 1:   log likelihood = -11255.493
Iteration 2:   log likelihood = -11246.112
Iteration 3:   log likelihood = -11246.085
Refining estimates:
Iteration 0:   log likelihood = -11246.085

Cox regression with Breslow method for ties

No. of subjects =      58,075                         Number of obs = 58,075
No. of failures =       1,160
Time at risk    = 707,942.594
                                                      LR chi2(5)    = 238.77
Log likelihood = -11246.085                           Prob > chi2   = 0.0000

------------------------------------------------------------------------------
          _t | Haz. ratio   Std. err.      z    P>|z|     [95% conf. interval]
-------------+----------------------------------------------------------------
infectionbu~r |   2.280897   .1539539    12.22   0.000     1.998261     2.60351
         AGE |   .9247319   .0110121    -6.57   0.000     .9033985    .9465691
         SEX |          1  (omitted)
    NonWhite |    .996915   .1619888    -0.02   0.985     .7250139    1.370787
householdsize |   .9732245   .0298948    -0.88   0.377     .9163606    1.033617
         SES |   .7043911    .030433    -8.11   0.000     .6471991     .766637
------------------------------------------------------------------------------

56 .
57 . **HIGHEST TERTILE**
58 .  stcox infectionburdenhospbr AGE SEX NonWhite householdsize SES  if SEX==1 & sample_final==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 = -8227.7277
Iteration 1:   log likelihood = -8179.8757
Iteration 2:   log likelihood = -8174.6586
Iteration 3:   log likelihood =   -8174.64
Iteration 4:   log likelihood =   -8174.64
Refining estimates:
Iteration 0:   log likelihood =   -8174.64

Cox regression with Breslow method for ties

No. of subjects =      43,848                         Number of obs = 43,848
No. of failures =         862
Time at risk    = 538,475.809
                                                      LR chi2(5)    = 106.18
Log likelihood = -8174.64                             Prob > chi2   = 0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	2.07547	.1691466	8.96	0.000	1.769071	2.434936
AGE	.986073	.0137768	-1.00	0.315	.9594373	1.013448
SEX	1	(omitted)				
NonWhite	1.569119	.2514127	2.81	0.005	1.14623	2.148028
householdsize	.9340101	.0425073	-1.50	0.134	.854305	1.021152
SES	.7992243	.0424032	-4.22	0.000	.7202907	.886808

```
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_final==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 = -31588.189
Iteration 1:   log likelihood = -31347.343
Iteration 2:   log likelihood = -31329.668
Iteration 3:   log likelihood = -31329.627
Refining estimates:
Iteration 0:   log likelihood = -31329.627

Cox regression with Breslow method for ties

No. of subjects =     190,124                         Number of obs = 190,124
No. of failures =       2,898
Time at risk    = 2,356,410.2
                                                      LR chi2(6)    =  517.12
Log likelihood = -31329.627                           Prob > chi2   =  0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	2.103876	.0900864	17.37	0.000	1.934516	2.288063
AGE	.9391969	.007181	-8.20	0.000	.9252273	.9533774
SEX	1	(omitted)				
NonWhite	1.08839	.1113066	0.83	0.408	.890706	1.329947
householdsize	.9638528	.0213495	-1.66	0.096	.9229038	1.006619
SES	.7567816	.0222168	-9.49	0.000	.7144666	.8016028
LE8_TOTALSCORE	.998845	.000199	-5.80	0.000	.9984551	.9992351

```
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_final=

          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 = -31588.189
Iteration 1:   log likelihood = -31358.793
Iteration 2:   log likelihood = -31333.922
Iteration 3:   log likelihood = -31333.737
Iteration 4:   log likelihood = -31333.737
Refining estimates:
Iteration 0:   log likelihood = -31333.737

Cox regression with Breslow method for ties

No. of subjects =     190,124                         Number of obs = 190,124
No. of failures =       2,898
Time at risk    = 2,356,410.2
                                                      LR chi2(7)    =  508.91
Log likelihood = -31333.737                           Prob > chi2   =  0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	2.103313	.2210705	7.07	0.000	1.71174	2.584462
LE8_TOTALSCOREtert	.8875989	.0241019	-4.39	0.000	.8415952	.9361174
c.infectionburdenhospbr#c.LE8_TOTALSCOREtert	1.003249	.0538325	0.06	0.952	.9030983	1.114507
AGE	.9391721	.007182	-8.21	0.000	.9252006	.9533545
SEX	1	(omitted)				
NonWhite	1.089963	.1114808	0.84	0.400	.8919721	1.331901
householdsize	.9640481	.0213408	-1.65	0.098	.9231153	1.006796
SES	.7500686	.0219046	-9.85	0.000	.7083419	.7942534

```
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_final==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 =  -11526.89
Iteration 1:   log likelihood = -11418.468
Iteration 2:   log likelihood = -11411.801
Iteration 3:   log likelihood = -11411.791
Iteration 4:   log likelihood = -11411.791
Refining estimates:
Iteration 0:   log likelihood = -11411.791

Cox regression with Breslow method for ties
```

No. of subjects = **61,913** Number of obs = **61,913**
No. of failures = **1,173**
Time at risk = **759,398.626**
LR chi2(**5**) = **230.20**
Log likelihood = **-11411.791** Prob > chi2 = **0.0000**

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	**2.174685**	**.1387402**	**12.18**	**0.000**	**1.919073**	**2.464343**
AGE	**.9322763**	**.0110922**	**-5.89**	**0.000**	**.9107876**	**.954272**
SEX	**1**	(omitted)				
NonWhite	**1.317428**	**.1785786**	**2.03**	**0.042**	**1.010057**	**1.718336**
householdsize	**.9344881**	**.0346754**	**-1.83**	**0.068**	**.8689381**	**1.004983**
SES	**.7453539**	**.0329876**	**-6.64**	**0.000**	**.6834243**	**.8128954**

```
79 .
80 . **MIDDLE TERTILE**
81 .
82 .  stcox infectionburdenhospbr AGE SEX NonWhite householdsize SES  if SEX==2 & sample_final==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 = **-9424.2598**
Iteration 1: log likelihood = **-9366.7186**
Iteration 2: log likelihood = **-9363.8264**
Iteration 3: log likelihood = **-9363.8211**
Refining estimates:
Iteration 0: log likelihood = **-9363.8211**

Cox regression with Breslow method for ties

No. of subjects = **62,752** Number of obs = **62,752**
No. of failures = **957**
Time at risk = **778,816.313**
LR chi2(**5**) = **120.88**
Log likelihood = **-9363.8211** Prob > chi2 = **0.0000**

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	**1.930176**	**.1489404**	**8.52**	**0.000**	**1.65926**	**2.245324**
AGE	**.9473534**	**.0126813**	**-4.04**	**0.000**	**.9228217**	**.9725371**
SEX	**1**	(omitted)				
NonWhite	**.9162952**	**.1772634**	**-0.45**	**0.651**	**.6271404**	**1.33877**
householdsize	**.9948913**	**.0348134**	**-0.15**	**0.884**	**.9289455**	**1.065519**
SES	**.7222313**	**.0373105**	**-6.30**	**0.000**	**.6526843**	**.799189**

```
. 
. **HIGHEST TERTILE**
.  stcox infectionburdenhospbr AGE SEX NonWhite householdsize SES  if SEX==2 & sample_final==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 = -7462.7671
Iteration 1:   log likelihood = -7416.0666
Iteration 2:   log likelihood = -7410.1779
Iteration 3:   log likelihood = -7410.1532
Iteration 4:   log likelihood = -7410.1532
Refining estimates:
Iteration 0:   log likelihood = -7410.1532

Cox regression with Breslow method for ties

No. of subjects =      65,459                     Number of obs = 65,459
No. of failures =         768
Time at risk    =  818,195.216
                                                  LR chi2(5)    =  105.23
Log likelihood = -7410.1532                       Prob > chi2   =  0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
infectionburdenhospbr	2.263117	.1966797	9.40	0.000	1.908675	2.683379
AGE	.940215	.0141267	-4.10	0.000	.9129309	.9683145
SEX	1	(omitted)				
NonWhite	.8003447	.2164496	-0.82	0.410	.4710571	1.359818
householdsize	.9723254	.042485	-0.64	0.521	.8925223	1.059264
SES	.8075402	.0479698	-3.60	0.000	.718788	.9072511

```
. 
. 
. capture log close
```