
```
      name:  <unnamed>
       log:  E:\16GBBACKUPUSB\BACKUP_USB_SEPTEMBER2014\May Baydoun_folder\HANDLS_PAPER64_HCYDEPANXIETY_LONG\OUTPU
  log type:  smcl
 opened on:  21 Jun 2024, 07:05:37

 1 .
 2 . use finaldata_imputed_FINAL,clear

 3 .
 4 . capture mi stset,clear

 5 .
 6 . capture drop failure

 7 . gen failure=CESDcut16
   (30,492 missing values generated)

 8 .
 9 . save, replace
   file finaldata_imputed_FINAL.dta saved

10 .
11 .
12 . mi stset timew1w3w4, failure(failure) id(HNDID)

   Survival-time data settings

             ID variable: HNDID
           Failure event: failure!=0 & failure<.
   Observed time interval: (timew1w3w4[_n-1], timew1w3w4]
        Exit on or before: failure

------------------------------------------------------------------------------
     12,079  total observations
      3,720  event time missing (timew1w3w4>=.)             PROBABLE ERROR
          6  multiple records at same instant               PROBABLE ERROR
             (timew1w3w4[_n-1]==timew1w3w4)
      3,720  observations end on or before enter()
      1,936  observations begin on or after (first) failure
------------------------------------------------------------------------------
      2,697  observations remaining, representing
      1,766  subjects
        594  failures in single-failure-per-subject data
  12,771.4  total analysis time at risk and under observation
                                            At risk from t =         0
                                 Earliest observed entry t =         0
                                      Last observed exit t =      12.5

13 .
14 .
```

```
15 . **Overall**
16 . stcox c.Lnw1HCyscenter2p15 c.w1Agecent48 Sex Race  PovStat  w1edubr c.invmillsCES w1smoke  w1currdrugs c.w1hei2

      Failure _d: failure
  Analysis time _t: timew1w3w4
       ID variable: HNDID

Iteration 0:  Log likelihood = -12677.516
Iteration 1:  Log likelihood = -12528.555
Iteration 2:  Log likelihood = -12519.505
Iteration 3:  Log likelihood = -12518.437
Iteration 4:  Log likelihood = -12518.381
Iteration 5:  Log likelihood = -12518.381
Refining estimates:
Iteration 0:  Log likelihood = -12518.381

Cox regression with Breslow method for ties

No. of subjects =         931                     Number of obs =  8,807
No. of failures =       1,562
Time at risk    = 39,387.9999
                                                  LR chi2(11)   = 318.27
Log likelihood = -12518.381                       Prob > chi2   = 0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
Lnw1HCyscenter2p15	1.058304	.0936491	0.64	0.522	.8897905	1.258731
w1Agecent48	.989387	.0029401	-3.59	0.000	.9836413	.9951662
Sex	.7340245	.0410272	-5.53	0.000	.6578607	.8190063
Race	.7288534	.037919	-6.08	0.000	.6581971	.8070945
PovStat	1.106007	.0619529	1.80	0.072	.9910092	1.234348
w1edubr	.8263036	.0387423	-4.07	0.000	.7537546	.9058355
invmillsCES	.9934758	.0019047	-3.41	0.001	.9897496	.997216
w1smoke	1.37802	.0818846	5.40	0.000	1.226522	1.54823
w1currdrugs	1.632248	.1061316	7.54	0.000	1.436943	1.854098
w1hei2010_total_scorecent43	.988594	.0024195	-4.69	0.000	.9838633	.9933475
w1BMIcent30	1.013228	.0035991	3.70	0.000	1.006198	1.020306

```
17 . stcox zw1w3w4HCysTRAJ c.w1Agecent48 Sex Race  PovStat  w1edubr c.invmillsCES w1smoke  w1currdrugs c.w1hei2010_t

      Failure _d: failure
  Analysis time _t: timew1w3w4
       ID variable: HNDID

Iteration 0:  Log likelihood = -12673.686
Iteration 1:  Log likelihood = -12516.144
Iteration 2:  Log likelihood = -12507.515
Iteration 3:  Log likelihood = -12506.642
Iteration 4:  Log likelihood = -12506.602
Iteration 5:  Log likelihood = -12506.602
Refining estimates:
Iteration 0:  Log likelihood = -12506.602

Cox regression with Breslow method for ties

No. of subjects =         929                     Number of obs =  8,796
No. of failures =       1,562
Time at risk    = 39,292.2999
                                                  LR chi2(11)   = 334.17
Log likelihood = -12506.602                       Prob > chi2   = 0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
zw1w3w4HCysTRAJ	1.087348	.0280504	3.25	0.001	1.033737	1.14374
w1Agecent48	.9890892	.0028737	-3.78	0.000	.9834728	.9947376
Sex	.7282971	.0390539	-5.91	0.000	.6556381	.8090084
Race	.709945	.037121	-6.55	0.000	.6407932	.7865595
PovStat	1.124959	.0629258	2.11	0.035	1.008147	1.255306
w1edubr	.828973	.039039	-3.98	0.000	.755883	.9091305
invmillsCES	.9935502	.0019244	-3.34	0.001	.9897855	.9973292
w1smoke	1.383155	.0820241	5.47	0.000	1.231382	1.553635
w1currdrugs	1.622475	.1053901	7.45	0.000	1.428522	1.84276
w1hei2010_total_scorecent43	.9891805	.0024171	-4.45	0.000	.9844544	.9939293
w1BMIcent30	1.012183	.0035885	3.42	0.001	1.005174	1.019241

```
18 .
19 . **Women**
20 . stcox c.Lnw1HCyscenter2p15 c.w1Agecent48 Sex Race  PovStat  w1edubr c.invmillsCES w1smoke  w1currdrugs c.w1hei2

        Failure _d: failure
  Analysis time _t: timew1w3w4
       ID variable: HNDID

note: Sex omitted because of collinearity.
Iteration 0:  Log likelihood = -6890.0824
Iteration 1:  Log likelihood = -6778.4991
Iteration 2:  Log likelihood = -6761.9969
Iteration 3:  Log likelihood = -6761.2099
Iteration 4:  Log likelihood =  -6761.183
Iteration 5:  Log likelihood =  -6761.183
Refining estimates:
Iteration 0:  Log likelihood =  -6761.183

Cox regression with Breslow method for ties

No. of subjects =      510                         Number of obs =  4,871
No. of failures =      913
Time at risk    = 21,428.3
                                                   LR chi2(10)   = 257.80
Log likelihood = -6761.183                         Prob > chi2   = 0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
Lnw1HCyscenter2p15	1.119925	.1238786	1.02	0.306	.9016433	1.391051
w1Agecent48	.9840176	.0037324	-4.25	0.000	.9767294	.9913601
Sex	1	(omitted)				
Race	.6220264	.0425582	-6.94	0.000	.5439647	.7112903
PovStat	1.139795	.0835652	1.78	0.074	.9872343	1.315932
w1edubr	.8537024	.0521572	-2.59	0.010	.7573595	.962301
invmillsCES	.9934275	.0018495	-3.54	0.000	.9898091	.9970592
w1smoke	1.319749	.1029483	3.56	0.000	1.132641	1.537765
w1currdrugs	2.037802	.1836153	7.90	0.000	1.70791	2.431415
w1hei2010_total_scorecent43	.987294	.0031477	-4.01	0.000	.9811438	.9934827
w1BMIcent30	1.009503	.0044516	2.14	0.032	1.000816	1.018266

```
21 . stcox zw1w3w4HCysTRAJ c.w1Agecent48 Sex Race  PovStat  w1edubr c.invmillsCES w1smoke  w1currdrugs c.w1hei2010_t

          Failure _d: failure
    Analysis time _t: timew1w3w4
         ID variable: HNDID

note: Sex omitted because of collinearity.
Iteration 0:  Log likelihood = -6888.0326
Iteration 1:  Log likelihood = -6771.1511
Iteration 2:  Log likelihood = -6752.7757
Iteration 3:  Log likelihood = -6752.2261
Iteration 4:  Log likelihood =  -6752.215
Iteration 5:  Log likelihood =  -6752.215
Refining estimates:
Iteration 0:  Log likelihood =  -6752.215

Cox regression with Breslow method for ties

No. of subjects =      509                              Number of obs =  4,866
No. of failures =      913
Time at risk    = 21,381.8
                                                        LR chi2(10)   = 271.64
Log likelihood = -6752.215                              Prob > chi2   = 0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
zw1w3w4HCysTRAJ	1.137019	.0406737	3.59	0.000	1.06003	1.219599
w1Agecent48	.9846111	.0036585	-4.17	0.000	.9774665	.9918078
Sex	1	(omitted)				
Race	.6206071	.0423967	-6.98	0.000	.542834	.709523
PovStat	1.136742	.083859	1.74	0.082	.983711	1.313579
w1edubr	.8544562	.052653	-2.55	0.011	.7572467	.9641447
invmillsCES	.9934436	.001882	-3.47	0.001	.9897617	.9971392
w1smoke	1.31875	.1027659	3.55	0.000	1.131961	1.536363
w1currdrugs	1.964998	.1786202	7.43	0.000	1.644323	2.348211
w1hei2010_total_scorecent43	.9872693	.003129	-4.04	0.000	.9811555	.9934211
w1BMIcent30	1.007201	.0044866	1.61	0.107	.9984458	1.016033

```
22 .
23 .
24 . **Men**
25 . stcox c.Lnw1HCyscenter2p15 c.w1Agecent48 Sex Race  PovStat  w1edubr c.invmillsCES w1smoke  w1currdrugs c.w1hei2

          Failure _d: failure
    Analysis time _t: timew1w3w4
         ID variable: HNDID

note: Sex omitted because of collinearity.
Iteration 0:  Log likelihood = -4724.9216
Iteration 1:  Log likelihood = -4679.2907
Iteration 2:  Log likelihood = -4679.0866
Iteration 3:  Log likelihood = -4679.0866
Refining estimates:
Iteration 0:  Log likelihood = -4679.0866

Cox regression with Breslow method for ties
```

No. of subjects = **421** Number of obs = **3,936**
No. of failures = **649**
Time at risk = **17,959.7**
LR chi2(**10**) = **91.67**
Log likelihood = **-4679.0866** Prob > chi2 = **0.0000**

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
Lnw1HCyscenter2p15	**.8671769**	**.1317286**	**-0.94**	**0.348**	**.6438813**	**1.167911**
w1Agecent48	**.9998736**	**.0047987**	**-0.03**	**0.979**	**.9905125**	**1.009323**
Sex	**1**	(omitted)				
Race	**.9341736**	**.0773688**	**-0.82**	**0.411**	**.7942013**	**1.098815**
PovStat	**1.113929**	**.0988088**	**1.22**	**0.224**	**.9361667**	**1.325444**
w1edubr	**.751329**	**.0558687**	**-3.84**	**0.000**	**.6494339**	**.8692114**
invmillsCES	**1.021284**	**.0167478**	**1.28**	**0.199**	**.988981**	**1.054642**
w1smoke	**1.380993**	**.1300667**	**3.43**	**0.001**	**1.148213**	**1.660965**
w1currdrugs	**1.304526**	**.1206305**	**2.87**	**0.004**	**1.088282**	**1.563738**
w1hei2010_total_scorecent43	**.9915753**	**.0038461**	**-2.18**	**0.029**	**.9840656**	**.9991423**
w1BMIcent30	**1.021222**	**.0062935**	**3.41**	**0.001**	**1.008962**	**1.033632**

26 . stcox zw1w3w4HCysTRAJ c.w1Agecent48 Sex Race PovStat w1edubr c.invmillsCES w1smoke w1currdrugs c.w1hei2010_t

Failure **_d**: **failure**
Analysis time **_t**: **timew1w3w4**
ID variable: **HNDID**

note: **Sex** omitted because of collinearity.
Iteration 0: Log likelihood = **-4723.2433**
Iteration 1: Log likelihood = **-4677.5043**
Iteration 2: Log likelihood = **-4677.2811**
Iteration 3: Log likelihood = **-4677.2811**
Refining estimates:
Iteration 0: Log likelihood = **-4677.2811**

Cox regression with Breslow method for ties

No. of subjects = **420** Number of obs = **3,930**
No. of failures = **649**
Time at risk = **17,910.5**
LR chi2(**10**) = **91.92**
Log likelihood = **-4677.2811** Prob > chi2 = **0.0000**

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
zw1w3w4HCysTRAJ	**1.013456**	**.0389228**	**0.35**	**0.728**	**.9399689**	**1.092688**
w1Agecent48	**.9981638**	**.0047008**	**-0.39**	**0.696**	**.9889928**	**1.00742**
Sex	**1**	(omitted)				
Race	**.9092637**	**.0764476**	**-1.13**	**0.258**	**.7711235**	**1.072151**
PovStat	**1.136014**	**.1004374**	**1.44**	**0.149**	**.9552719**	**1.350953**
w1edubr	**.7549404**	**.0562241**	**-3.77**	**0.000**	**.6524083**	**.8735864**
invmillsCES	**1.01961**	**.0171258**	**1.16**	**0.248**	**.9865905**	**1.053734**
w1smoke	**1.392747**	**.1311154**	**3.52**	**0.000**	**1.15808**	**1.674964**
w1currdrugs	**1.311762**	**.1212723**	**2.94**	**0.003**	**1.094363**	**1.572347**
w1hei2010_total_scorecent43	**.992328**	**.0038529**	**-1.98**	**0.047**	**.984805**	**.9999084**
w1BMIcent30	**1.020486**	**.0062598**	**3.31**	**0.001**	**1.008291**	**1.032829**

```
27 .
28 .
29 . **White**
30 . stcox c.Lnw1HCyscenter2p15 c.w1Agecent48 Sex Race  PovStat  w1edubr c.invmillsCES w1smoke  w1currdrugs c.w1hei2

          Failure _d: failure
    Analysis time _t: timew1w3w4
         ID variable: HNDID

note: Race omitted because of collinearity.
Iteration 0:  Log likelihood = -5128.5281
Iteration 1:  Log likelihood = -5113.2233
Iteration 2:  Log likelihood = -5051.8615
Iteration 3:  Log likelihood = -5040.4841
Iteration 4:  Log likelihood = -5038.4478
Iteration 5:  Log likelihood = -5038.2939
Iteration 6:  Log likelihood = -5038.2924
Iteration 7:  Log likelihood = -5038.2924
Refining estimates:
Iteration 0:  Log likelihood = -5038.2924

Cox regression with Breslow method for ties

No. of subjects =      392                              Number of obs =  3,636
No. of failures =      702
Time at risk    = 15,716.9
                                                        LR chi2(10)   = 180.47
Log likelihood = -5038.2924                             Prob > chi2   = 0.0000

------------------------------------------------------------------------------
                          _t | Haz. ratio   Std. err.      z    P>|z|     [95% conf. interval]
-----------------------------+------------------------------------------------
          Lnw1HCyscenter2p15 |   .5013428   .0744575    -4.65   0.000     .3747293    .6707365
                 w1Agecent48 |   .9921146   .0044206    -1.78   0.076     .9834882    1.000817
                         Sex |   .6902015   .0578097    -4.43   0.000     .5857081     .813337
                        Race |          1  (omitted)
                     PovStat |   1.346182   .1202437     3.33   0.001     1.129986    1.603744
                     w1edubr |   .7203771   .0488303    -4.84   0.000     .6307566    .8227313
                 invmillsCES |   .9933027   .0017652    -3.78   0.000      .989849    .9967685
                     w1smoke |   1.146247   .1097383     1.43   0.154     .9501382    1.382833
                 w1currdrugs |    1.53858   .1670805     3.97   0.000     1.243612    1.903512
w1hei2010_total_scorecent43 |   .9950129   .0033822    -1.47   0.141      .988406    1.001664
                 w1BMIcent30 |   1.011792   .0057548     2.06   0.039     1.000575    1.023134
------------------------------------------------------------------------------

31 . stcox zw1w3w4HCysTRAJ c.w1Agecent48 Sex Race  PovStat  w1edubr c.invmillsCES w1smoke  w1currdrugs c.w1hei2010_t

          Failure _d: failure
    Analysis time _t: timew1w3w4
         ID variable: HNDID

note: Race omitted because of collinearity.
Iteration 0:  Log likelihood = -5123.9166
Iteration 1:  Log likelihood = -5108.5163
Iteration 2:  Log likelihood = -5053.8093
Iteration 3:  Log likelihood =  -5043.348
Iteration 4:  Log likelihood = -5041.5105
Iteration 5:  Log likelihood = -5041.3807
Iteration 6:  Log likelihood = -5041.3796
Iteration 7:  Log likelihood = -5041.3796
Refining estimates:
Iteration 0:  Log likelihood = -5041.3796
```

Cox regression with Breslow method for ties

No. of subjects = **390** Number of obs = **3,625**
No. of failures = **702**
Time at risk = **15,621.2**
LR chi2(**10**) = **165.07**
Log likelihood = **-5041.3796** Prob > chi2 = **0.0000**

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
zw1w3w4HCysTRAJ	**1.025694**	**.0506369**	**0.51**	**0.607**	**.9310976**	**1.1299**
w1Agecent48	**.9873789**	**.0043415**	**-2.89**	**0.004**	**.9789062**	**.9959248**
Sex	**.6225719**	**.0497541**	**-5.93**	**0.000**	**.5323094**	**.7281402**
Race	**1**	(omitted)				
PovStat	**1.39637**	**.1240894**	**3.76**	**0.000**	**1.173162**	**1.662047**
w1edubr	**.7297261**	**.0491071**	**-4.68**	**0.000**	**.6395553**	**.8326101**
invmillsCES	**.9938842**	**.0017736**	**-3.44**	**0.001**	**.9904141**	**.9973664**
w1smoke	**1.189726**	**.1120712**	**1.84**	**0.065**	**.9891552**	**1.430966**
w1currdrugs	**1.512876**	**.1641731**	**3.82**	**0.000**	**1.223019**	**1.871429**
w1hei2010_total_scorecent43	**.9968219**	**.0033987**	**-0.93**	**0.351**	**.9901829**	**1.003506**
w1BMIcent30	**1.006145**	**.0057074**	**1.08**	**0.280**	**.9950209**	**1.017394**

```
32 .
33 .
34 . **AA**
35 . stcox c.Lnw1HCyscenter2p15 c.w1Agecent48 Sex Race  PovStat  w1edubr c.invmillsCES w1smoke  w1currdrugs c.w1hei2
```

Failure **_d**: **failure**
Analysis time **_t**: **timew1w3w4**
ID variable: **HNDID**

note: **Race** omitted because of collinearity.
Iteration 0: Log likelihood = **-6473.6603**
Iteration 1: Log likelihood = **-6384.2712**
Iteration 2: Log likelihood = **-6381.8917**
Iteration 3: Log likelihood = **-6381.8906**
Refining estimates:
Iteration 0: Log likelihood = **-6381.8906**

Cox regression with Breslow method for ties

No. of subjects = **539** Number of obs = **5,171**
No. of failures = **860**
Time at risk = **23,671.0999**
LR chi2(**10**) = **183.54**
Log likelihood = **-6381.8906** Prob > chi2 = **0.0000**

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
Lnw1HCyscenter2p15	**1.493995**	**.1443931**	**4.15**	**0.000**	**1.236179**	**1.805581**
w1Agecent48	**.9864788**	**.0040187**	**-3.34**	**0.001**	**.9786336**	**.9943869**
Sex	**.7549102**	**.0570126**	**-3.72**	**0.000**	**.6510443**	**.8753465**
Race	**1**	(omitted)				
PovStat	**1.003205**	**.0737178**	**0.04**	**0.965**	**.8686432**	**1.158612**
w1edubr	**.9769229**	**.0646138**	**-0.35**	**0.724**	**.8581471**	**1.112138**
invmillsCES	**1.00946**	**.0076615**	**1.24**	**0.215**	**.994555**	**1.024588**
w1smoke	**1.438871**	**.1113537**	**4.70**	**0.000**	**1.236367**	**1.674542**
w1currdrugs	**1.722828**	**.142107**	**6.59**	**0.000**	**1.465652**	**2.025131**
w1hei2010_total_scorecent43	**.981187**	**.0035132**	**-5.30**	**0.000**	**.9743255**	**.9880969**
w1BMIcent30	**1.013922**	**.0047031**	**2.98**	**0.003**	**1.004745**	**1.023182**

```
36 . stcox zw1w3w4HCysTRAJ c.w1Agecent48 Sex Race  PovStat  w1edubr c.invmillsCES w1smoke  w1currdrugs c.w1hei2010_t

        Failure _d: failure
  Analysis time _t: timew1w3w4
       ID variable: HNDID

note: Race omitted because of collinearity.
Iteration 0:  Log likelihood = -6473.6603
Iteration 1:  Log likelihood = -6387.8502
Iteration 2:  Log likelihood = -6385.5051
Iteration 3:  Log likelihood = -6385.5038
Refining estimates:
Iteration 0:  Log likelihood = -6385.5038

Cox regression with Breslow method for ties

No. of subjects =         539                     Number of obs =  5,171
No. of failures =         860
Time at risk    = 23,671.0999
                                                  LR chi2(10)   = 176.31
Log likelihood = -6385.5038                       Prob > chi2   = 0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
zw1w3w4HCysTRAJ	1.095636	.034184	2.93	0.003	1.030644	1.164726
w1Agecent48	.9896422	.0039314	-2.62	0.009	.9819667	.9973777
Sex	.792449	.0588229	-3.13	0.002	.6851526	.9165483
Race	1	(omitted)				
PovStat	1.00562	.0740525	0.08	0.939	.870468	1.161757
w1edubr	.9726839	.064486	-0.42	0.676	.8541608	1.107653
invmillsCES	1.010478	.007708	1.37	0.172	.9954828	1.025699
w1smoke	1.446252	.1118919	4.77	0.000	1.242765	1.683056
w1currdrugs	1.711085	.1414618	6.50	0.000	1.455123	2.012072
w1hei2010_total_scorecent43	.9812661	.0034954	-5.31	0.000	.9744391	.9881409
w1BMIcent30	1.013936	.0047192	2.97	0.003	1.004728	1.023227

```
37 .
38 .
39 . **Above Poverty**
40 . stcox c.Lnw1HCyscenter2p15 c.w1Agecent48 Sex Race  PovStat  w1edubr c.invmillsCES w1smoke  w1currdrugs c.w1hei2

        Failure _d: failure
  Analysis time _t: timew1w3w4
       ID variable: HNDID

note: PovStat omitted because of collinearity.
Iteration 0:  Log likelihood = -7368.8194
Iteration 1:  Log likelihood = -7254.9382
Iteration 2:  Log likelihood = -7251.4086
Iteration 3:  Log likelihood = -7251.4005
Refining estimates:
Iteration 0:  Log likelihood = -7251.4005

Cox regression with Breslow method for ties
```

No. of subjects = **641** Number of obs = **6,149**
No. of failures = **949**
Time at risk = **26,839.2**
LR chi2(**10**) = **234.84**
Log likelihood = **-7251.4005** Prob > chi2 = **0.0000**

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
Lnw1HCyscenter2p15	**.7462954**	**.0926211**	**-2.36**	**0.018**	**.5851538**	**.9518127**
w1Agecent48	**.9846834**	**.0037018**	**-4.11**	**0.000**	**.9774547**	**.9919656**
Sex	**.7946566**	**.0578003**	**-3.16**	**0.002**	**.6890747**	**.9164161**
Race	**.7900857**	**.0526033**	**-3.54**	**0.000**	**.6934289**	**.9002156**
PovStat	**1**	(omitted)				
w1edubr	**.7946791**	**.0484974**	**-3.77**	**0.000**	**.7050906**	**.8956508**
invmillsCES	**1.006932**	**.0076663**	**0.91**	**0.364**	**.9920178**	**1.02207**
w1smoke	**1.477061**	**.1086847**	**5.30**	**0.000**	**1.278691**	**1.706206**
w1currdrugs	**1.806366**	**.1549161**	**6.89**	**0.000**	**1.526883**	**2.137007**
w1hei2010_total_scorecent43	**.9874025**	**.0029929**	**-4.18**	**0.000**	**.9815539**	**.993286**
w1BMIcent30	**1.025256**	**.0047127**	**5.43**	**0.000**	**1.016061**	**1.034534**

41 . stcox zw1w3w4HCysTRAJ c.w1Agecent48 Sex Race PovStat w1edubr c.invmillsCES w1smoke w1currdrugs c.w1hei2010_t

Failure **_d**: **failure**
Analysis time **_t**: **timew1w3w4**
ID variable: **HNDID**

note: **PovStat** omitted because of collinearity.
Iteration 0: Log likelihood = **-7368.8194**
Iteration 1: Log likelihood = **-7257.6788**
Iteration 2: Log likelihood = **-7254.1302**
Iteration 3: Log likelihood = **-7254.1223**
Refining estimates:
Iteration 0: Log likelihood = **-7254.1223**

Cox regression with Breslow method for ties

No. of subjects = **641** Number of obs = **6,149**
No. of failures = **949**
Time at risk = **26,839.2**
LR chi2(**10**) = **229.39**
Log likelihood = **-7254.1223** Prob > chi2 = **0.0000**

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
zw1w3w4HCysTRAJ	**1.019938**	**.0364692**	**0.55**	**0.581**	**.9509065**	**1.09398**
w1Agecent48	**.9822455**	**.0035798**	**-4.92**	**0.000**	**.9752543**	**.9892869**
Sex	**.7445073**	**.0511843**	**-4.29**	**0.000**	**.6506531**	**.8518995**
Race	**.7819123**	**.0525235**	**-3.66**	**0.000**	**.6854569**	**.8919406**
PovStat	**1**	(omitted)				
w1edubr	**.8051337**	**.0490041**	**-3.56**	**0.000**	**.7145951**	**.9071435**
invmillsCES	**1.007504**	**.0078077**	**0.96**	**0.335**	**.9923169**	**1.022924**
w1smoke	**1.481426**	**.1090532**	**5.34**	**0.000**	**1.282389**	**1.711355**
w1currdrugs	**1.771917**	**.152017**	**6.67**	**0.000**	**1.497672**	**2.09638**
w1hei2010_total_scorecent43	**.9882805**	**.0029975**	**-3.89**	**0.000**	**.982423**	**.9941729**
w1BMIcent30	**1.024789**	**.0046741**	**5.37**	**0.000**	**1.015669**	**1.033991**

```
42 .
43 .
44 . **Below Poverty**
45 . stcox c.Lnw1HCyscenter2p15 c.w1Agecent48 Sex Race  PovStat  w1edubr c.invmillsCES w1smoke  w1currdrugs c.w1hei2

        Failure _d: failure
  Analysis time _t: timew1w3w4
       ID variable: HNDID

note: PovStat omitted because of collinearity.
Iteration 0:  Log likelihood = -4250.9672
Iteration 1:  Log likelihood = -4206.2509
Iteration 2:  Log likelihood = -4190.3319
Iteration 3:  Log likelihood = -4189.9994
Iteration 4:  Log likelihood =  -4189.994
Iteration 5:  Log likelihood =  -4189.994
Refining estimates:
Iteration 0:  Log likelihood =  -4189.994

Cox regression with Breslow method for ties

No. of subjects =      290                              Number of obs =  2,658
No. of failures =      613
Time at risk    = 12,548.8
                                                        LR chi2(10)   = 121.95
Log likelihood = -4189.994                              Prob > chi2   = 0.0000

------------------------------------------------------------------------------
          _t | Haz. ratio   Std. err.      z    P>|z|     [95% conf. interval]
-------------+----------------------------------------------------------------
Lnw1HCyscen~2p15 |   1.595719   .1971992     3.78   0.000     1.252463     2.03305
  w1Agecent48 |    .997753   .0049777    -0.45   0.652     .9880444    1.007557
         Sex |   .6909353   .0613804    -4.16   0.000      .580523    .8223475
        Race |   .5568878   .0487212    -6.69   0.000     .4691346    .6610555
     PovStat |          1  (omitted)
      w1edubr |   .8353832   .0604658    -2.48   0.013     .7248948    .9627123
  invmillsCES |   .9930499   .0018273    -3.79   0.000     .9894749    .9966379
      w1smoke |   1.113015   .1100497     1.08   0.279      .916934    1.351026
  w1currdrugs |   1.532134   .1548689     4.22   0.000     1.256773    1.867827
w1hei2010_t~43 |   .9937148   .0041775    -1.50   0.134     .9855607    1.001936
  w1BMIcent30 |   .9920346   .0056829    -1.40   0.163     .9809587    1.003236
------------------------------------------------------------------------------

46 . stcox zw1w3w4HCysTRAJ c.w1Agecent48 Sex Race  PovStat  w1edubr c.invmillsCES w1smoke  w1currdrugs c.w1hei2010_t

        Failure _d: failure
  Analysis time _t: timew1w3w4
       ID variable: HNDID

note: PovStat omitted because of collinearity.
Iteration 0:  Log likelihood = -4246.3196
Iteration 1:  Log likelihood = -4194.0144
Iteration 2:  Log likelihood = -4177.8636
Iteration 3:  Log likelihood = -4177.5684
Iteration 4:  Log likelihood = -4177.5647
Iteration 5:  Log likelihood = -4177.5647
Refining estimates:
Iteration 0:  Log likelihood = -4177.5647

Cox regression with Breslow method for ties
```

No. of subjects = **288** Number of obs = **2,647**
No. of failures = **613**
Time at risk = **12,453.1**
LR chi2(**10**) = **137.51**
Log likelihood = **-4177.5647** Prob > chi2 = **0.0000**

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
zw1w3w4HCysTRAJ	**1.216863**	**.0481893**	**4.96**	**0.000**	**1.125986**	**1.315075**
w1Agecent48	**.9990196**	**.004854**	**-0.20**	**0.840**	**.9895511**	**1.008579**
Sex	**.7156763**	**.0621599**	**-3.85**	**0.000**	**.6036506**	**.8484917**
Race	**.5227309**	**.0462382**	**-7.33**	**0.000**	**.4395265**	**.6216863**
PovStat	**1**	(omitted)				
w1edubr	**.8552293**	**.0625406**	**-2.14**	**0.032**	**.7410313**	**.987026**
invmillsCES	**.9927396**	**.0018445**	**-3.92**	**0.000**	**.989131**	**.9963613**
w1smoke	**1.148229**	**.1138076**	**1.39**	**0.163**	**.9454987**	**1.394428**
w1currdrugs	**1.490764**	**.1505749**	**3.95**	**0.000**	**1.223019**	**1.817124**
w1hei2010_total_scorecent43	**.9941851**	**.0041704**	**-1.39**	**0.164**	**.9860447**	**1.002393**
w1BMIcent30	**.9876869**	**.0057903**	**-2.11**	**0.035**	**.9764031**	**.999101**

```
47 .
48 .
49 . **Below Median Anxiety score**
50 . stcox c.Lnw1HCyscenter2p15 c.w1Agecent48 Sex Race  PovStat  w1edubr c.invmillsCES w1smoke  w1currdrugs c.w1hei2
```

Failure **_d**: **failure**
Analysis time **_t**: **timew1w3w4**
ID variable: **HNDID**

Iteration 0: Log likelihood = **-5618.421**
Iteration 1: Log likelihood = **-5578.4342**
Iteration 2: Log likelihood = **-5578.1714**
Iteration 3: Log likelihood = **-5578.1713**
Refining estimates:
Iteration 0: Log likelihood = **-5578.1713**

Cox regression with Breslow method for ties

No. of subjects = **535** Number of obs = **5,201**
No. of failures = **736**
Time at risk = **23,631.7**
LR chi2(**11**) = **80.50**
Log likelihood = **-5578.1713** Prob > chi2 = **0.0000**

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
Lnw1HCyscenter2p15	**1.621813**	**.1774963**	**4.42**	**0.000**	**1.308708**	**2.009828**
w1Agecent48	**.9938877**	**.0044207**	**-1.38**	**0.168**	**.9852609**	**1.00259**
Sex	**.7859937**	**.0645428**	**-2.93**	**0.003**	**.6691471**	**.9232441**
Race	**.8774167**	**.0687035**	**-1.67**	**0.095**	**.7525841**	**1.022956**
PovStat	**1.003386**	**.0840511**	**0.04**	**0.968**	**.8514616**	**1.182418**
w1edubr	**.767592**	**.0536948**	**-3.78**	**0.000**	**.6692478**	**.8803877**
invmillsCES	**1.011513**	**.0093393**	**1.24**	**0.215**	**.9933731**	**1.029984**
w1smoke	**1.299405**	**.1097359**	**3.10**	**0.002**	**1.101184**	**1.533307**
w1currdrugs	**1.227489**	**.124732**	**2.02**	**0.044**	**1.005825**	**1.498004**
w1hei2010_total_scorecent43	**.9944456**	**.0035154**	**-1.58**	**0.115**	**.9875794**	**1.00136**
w1BMIcent30	**1.01215**	**.0054487**	**2.24**	**0.025**	**1.001527**	**1.022886**

```
51 . stcox zw1w3w4HCysTRAJ c.w1Agecent48 Sex Race  PovStat  w1edubr c.invmillsCES w1smoke  w1currdrugs c.w1hei2010_t

          Failure _d: failure
    Analysis time _t: timew1w3w4
         ID variable: HNDID

Iteration 0:  Log likelihood = -5615.3762
Iteration 1:  Log likelihood =  -5580.245
Iteration 2:  Log likelihood = -5580.1068
Iteration 3:  Log likelihood = -5580.1068
Refining estimates:
Iteration 0:  Log likelihood = -5580.1068

Cox regression with Breslow method for ties

No. of subjects =    533                              Number of obs =  5,190
No. of failures =    736
Time at risk    = 23,536
                                                      LR chi2(11)   =  70.54
Log likelihood = -5580.1068                           Prob > chi2   = 0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
zw1w3w4HCysTRAJ	1.0963	.039202	2.57	0.010	1.022096	1.175891
w1Agecent48	.9979933	.0042428	-0.47	0.637	.9897121	1.006344
Sex	.8384555	.0671498	-2.20	0.028	.7166538	.9809585
Race	.850623	.0673484	-2.04	0.041	.7283548	.9934163
PovStat	1.027535	.0861714	0.32	0.746	.8717919	1.211101
w1edubr	.7763155	.0546093	-3.60	0.000	.6763339	.8910774
invmillsCES	1.010691	.0096022	1.12	0.263	.9920453	1.029687
w1smoke	1.304301	.1100999	3.15	0.002	1.105415	1.53897
w1currdrugs	1.254056	.1272927	2.23	0.026	1.027817	1.530093
w1hei2010_total_scorecent43	.9936823	.0034755	-1.81	0.070	.9868937	1.000518
w1BMIcent30	1.011444	.0054928	2.10	0.036	1.000735	1.022267

```
52 .
53 .
54 . **Above Median Anxiety score**
55 . stcox c.Lnw1HCyscenter2p15 c.w1Agecent48 Sex Race  PovStat  w1edubr c.invmillsCES w1smoke  w1currdrugs c.w1hei2

          Failure _d: failure
    Analysis time _t: timew1w3w4
         ID variable: HNDID

Iteration 0:  Log likelihood = -3474.9075
Iteration 1:  Log likelihood = -3407.2325
Iteration 2:  Log likelihood = -3382.7146
Iteration 3:  Log likelihood = -3382.0281
Iteration 4:  Log likelihood = -3382.0134
Iteration 5:  Log likelihood = -3382.0134
Refining estimates:
Iteration 0:  Log likelihood = -3382.0134

Cox regression with Breslow method for ties

No. of subjects =     233                              Number of obs =  2,126
No. of failures =     525
Time at risk    = 9,539.8
                                                      LR chi2(11)   = 185.79
Log likelihood = -3382.0134                           Prob > chi2   = 0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
Lnw1HCyscenter2p15	**1.215412**	**.1715811**	**1.38**	**0.167**	**.9216335**	**1.602834**
w1Agecent48	**.9856477**	**.0053739**	**-2.65**	**0.008**	**.9751711**	**.9962368**
Sex	**.7390504**	**.0723592**	**-3.09**	**0.002**	**.6100063**	**.8953932**
Race	**.6564466**	**.0594746**	**-4.65**	**0.000**	**.549642**	**.7840052**
PovStat	**1.182163**	**.1221951**	**1.62**	**0.105**	**.9653666**	**1.447646**
w1edubr	**.8009562**	**.0682504**	**-2.60**	**0.009**	**.6777615**	**.9465437**
invmillsCES	**.9917061**	**.001715**	**-4.82**	**0.000**	**.9883505**	**.9950732**
w1smoke	**1.354763**	**.1442622**	**2.85**	**0.004**	**1.09957**	**1.669182**
w1currdrugs	**1.829867**	**.2050581**	**5.39**	**0.000**	**1.469035**	**2.279327**
w1hei2010_total_scorecent43	**.9823832**	**.0043267**	**-4.04**	**0.000**	**.9739395**	**.9909001**
w1BMIcent30	**1.017126**	**.0063255**	**2.73**	**0.006**	**1.004804**	**1.0296**

56 . stcox zw1w3w4HCysTRAJ c.w1Agecent48 Sex Race PovStat w1edubr c.invmillsCES w1smoke w1currdrugs c.w1hei2010_t

```
        Failure _d: failure
  Analysis time _t: timew1w3w4
       ID variable: HNDID

Iteration 0:  Log likelihood = -3474.9075
Iteration 1:  Log likelihood = -3407.0863
Iteration 2:  Log likelihood = -3383.1417
Iteration 3:  Log likelihood = -3382.4754
Iteration 4:  Log likelihood =  -3382.462
Iteration 5:  Log likelihood =  -3382.462
Refining estimates:
Iteration 0:  Log likelihood =  -3382.462

Cox regression with Breslow method for ties

No. of subjects =     233                         Number of obs =  2,126
No. of failures =     525
Time at risk    = 9,539.8
                                                  LR chi2(11)   = 184.89
Log likelihood = -3382.462                        Prob > chi2   = 0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
zw1w3w4HCysTRAJ	**1.04634**	**.0481601**	**0.98**	**0.325**	**.9560803**	**1.14512**
w1Agecent48	**.9860646**	**.0053736**	**-2.58**	**0.010**	**.9755886**	**.996653**
Sex	**.7640022**	**.0721552**	**-2.85**	**0.004**	**.634898**	**.9193592**
Race	**.6583623**	**.0596614**	**-4.61**	**0.000**	**.5512242**	**.7863241**
PovStat	**1.158285**	**.1200065**	**1.42**	**0.156**	**.9454209**	**1.419077**
w1edubr	**.7889461**	**.0672214**	**-2.78**	**0.005**	**.667608**	**.9323375**
invmillsCES	**.9914784**	**.0017182**	**-4.94**	**0.000**	**.9881166**	**.9948517**
w1smoke	**1.356421**	**.1449663**	**2.85**	**0.004**	**1.100077**	**1.672499**
w1currdrugs	**1.828568**	**.2057733**	**5.36**	**0.000**	**1.466639**	**2.279812**
w1hei2010_total_scorecent43	**.9826381**	**.0043525**	**-3.95**	**0.000**	**.9741444**	**.9912059**
w1BMIcent30	**1.017317**	**.0063474**	**2.75**	**0.006**	**1.004952**	**1.029834**

```
57 .
58 . **Interaction by sex**
59 . stcox c.Lnw1HCyscenter2p15##Sex c.w1Agecent48  Race  PovStat  w1edubr c.invmillsCES w1smoke  w1currdrugs c.w1he

          Failure _d: failure
    Analysis time _t: timew1w3w4
         ID variable: HNDID

Iteration 0:  Log likelihood = -12677.516
Iteration 1:  Log likelihood = -12528.556
Iteration 2:  Log likelihood = -12519.252
Iteration 3:  Log likelihood = -12518.135
Iteration 4:  Log likelihood = -12518.074
Iteration 5:  Log likelihood = -12518.074
Refining estimates:
Iteration 0:  Log likelihood = -12518.074

Cox regression with Breslow method for ties

No. of subjects =         931                         Number of obs =  8,807
No. of failures =       1,562
Time at risk    = 39,387.9999
                                                      LR chi2(12)   = 318.88
Log likelihood = -12518.074                           Prob > chi2   = 0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
Lnw1HCyscenter2p15	1.112325	.1201231	0.99	0.324	.9001361	1.374534
Sex						
Men	.7367546	.0411155	-5.47	0.000	.6604204	.8219118
Sex#c.Lnw1HCyscenter2p15						
Men	.8681842	.1569328	-0.78	0.434	.6091846	1.2373
w1Agecent48	.9894383	.0029382	-3.58	0.000	.9836962	.9952139
Race	.7314986	.0382	-5.99	0.000	.6603322	.8103349
PovStat	1.102444	.0619031	1.74	0.082	.9875541	1.2307
w1edubr	.8258616	.0387033	-4.08	0.000	.753384	.9053117
invmillsCES	.9934951	.0019038	-3.41	0.001	.9897707	.9972335
w1smoke	1.376271	.0818193	5.37	0.000	1.224898	1.54635
w1currdrugs	1.631585	.1060952	7.53	0.000	1.436348	1.85336
w1hei2010_total_scorecent43	.9885768	.0024196	-4.69	0.000	.9838458	.9933305
w1BMIcent30	1.013152	.0036005	3.68	0.000	1.006119	1.020233

```
60 . stcox c.zw1w3w4HCysTRAJ##Sex c.w1Agecent48 Sex Race  PovStat  w1edubr c.invmillsCES w1smoke  w1currdrugs c.w1he

          Failure _d: failure
    Analysis time _t: timew1w3w4
         ID variable: HNDID

note: Sex omitted because of collinearity.
Iteration 0:  Log likelihood = -12673.686
Iteration 1:  Log likelihood = -12516.197
Iteration 2:  Log likelihood = -12504.733
Iteration 3:  Log likelihood = -12503.921
Iteration 4:  Log likelihood = -12503.889
Iteration 5:  Log likelihood = -12503.889
Refining estimates:
Iteration 0:  Log likelihood = -12503.889
```

Cox regression with Breslow method for ties

No. of subjects = **929** Number of obs = **8,796**
No. of failures = **1,562**
Time at risk = **39,292.2999**
LR chi2(**12**) = **339.60**
Log likelihood = **-12503.889** Prob > chi2 = **0.0000**

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
zw1w3w4HCysTRAJ	**1.153852**	**.0403745**	**4.09**	**0.000**	**1.077372**	**1.235761**
Sex						
Men	**.7301737**	**.0389331**	**-5.90**	**0.000**	**.6577182**	**.8106109**
Sex#c.zw1w3w4HCysTRAJ						
Men	**.8865402**	**.045837**	**-2.33**	**0.020**	**.8011034**	**.9810888**
w1Agecent48	**.9891272**	**.0028729**	**-3.76**	**0.000**	**.9835124**	**.994774**
Sex	**1**	(omitted)				
Race	**.7212663**	**.037945**	**-6.21**	**0.000**	**.6506013**	**.7996066**
PovStat	**1.110517**	**.062487**	**1.86**	**0.062**	**.9945568**	**1.239998**
w1edubr	**.8226043**	**.0387824**	**-4.14**	**0.000**	**.7499984**	**.9022389**
invmillsCES	**.9934893**	**.0019305**	**-3.36**	**0.001**	**.9897127**	**.9972803**
w1smoke	**1.374803**	**.0817139**	**5.36**	**0.000**	**1.223623**	**1.544661**
w1currdrugs	**1.614129**	**.1050014**	**7.36**	**0.000**	**1.42091**	**1.833624**
w1hei2010_total_scorecent43	**.9891152**	**.0024174**	**-4.48**	**0.000**	**.9843886**	**.9938645**
w1BMIcent30	**1.011409**	**.0036134**	**3.18**	**0.001**	**1.004352**	**1.018516**

```
61 .
62 .
63 . **Interaction by Race**
64 . stcox c.Lnw1HCyscenter2p15##Race Sex c.w1Agecent48    PovStat  w1edubr c.invmillsCES w1smoke  w1currdrugs c.w1h

          Failure _d: failure
    Analysis time _t: timew1w3w4
         ID variable: HNDID

Iteration 0:  Log likelihood = -12677.516
Iteration 1:  Log likelihood =  -12506.72
Iteration 2:  Log likelihood = -12498.139
Iteration 3:  Log likelihood = -12497.187
Iteration 4:  Log likelihood = -12497.141
Iteration 5:  Log likelihood = -12497.141
Refining estimates:
Iteration 0:  Log likelihood = -12497.141

Cox regression with Breslow method for ties

No. of subjects =         931                     Number of obs =      8,807
No. of failures =       1,562
Time at risk    =  39,387.9999
                                                  LR chi2(12)   =     360.75
Log likelihood = -12497.141                       Prob > chi2   =     0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
Lnw1HCyscenter2p15	.5029862	.072663	-4.76	0.000	.3789559	.6676109
Race						
AfrAm	.7498842	.0398047	-5.42	0.000	.6757894	.8321028
Race#c.Lnw1HCyscenter2p15						
AfrAm	2.99867	.5017163	6.56	0.000	2.160288	4.162418
Sex	.7410761	.0412655	-5.38	0.000	.6644544	.8265336
w1Agecent48	.9893998	.002934	-3.59	0.000	.9836659	.9951671
PovStat	1.121598	.0629749	2.04	0.041	1.004718	1.252074
w1edubr	.8219596	.0387564	-4.16	0.000	.7494028	.9015414
invmillsCES	.9930469	.0018969	-3.65	0.000	.989336	.9967718
w1smoke	1.353887	.0805918	5.09	0.000	1.204796	1.521428
w1currdrugs	1.639392	.1064519	7.61	0.000	1.443481	1.861892
w1hei2010_total_scorecent43	.9881584	.0024168	-4.87	0.000	.9834329	.9929067
w1BMIcent30	1.014982	.0036057	4.19	0.000	1.007939	1.022074

65 . stcox c.zw1w3w4HCysTRAJ##Race Sex c.w1Agecent48 Sex PovStat w1edubr c.invmillsCES w1smoke w1currdrugs c.w1h

Failure **_d**: **failure**
Analysis time **_t**: **timew1w3w4**
ID variable: **HNDID**

note: **Sex** omitted because of collinearity.
Iteration 0: Log likelihood = **-12673.686**
Iteration 1: Log likelihood = **-12515.433**
Iteration 2: Log likelihood = **-12506.645**
Iteration 3: Log likelihood = **-12505.763**
Iteration 4: Log likelihood = **-12505.724**
Iteration 5: Log likelihood = **-12505.723**
Refining estimates:
Iteration 0: Log likelihood = **-12505.723**

Cox regression with Breslow method for ties

No. of subjects = **929** Number of obs = **8,796**
No. of failures = **1,562**
Time at risk = **39,292.2999**
LR chi2(**12**) = **335.93**
Log likelihood = **-12505.723** Prob > chi2 = **0.0000**

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
zw1w3w4HCysTRAJ	1.032093	.0498747	0.65	0.513	.9388268	1.134624
Race						
AfrAm	.7113861	.0373619	-6.48	0.000	.641801	.7885156
Race#c.zw1w3w4HCysTRAJ						
AfrAm	1.07764	.0615276	1.31	0.190	.9635507	1.205238
Sex	.7237597	.0389703	-6.00	0.000	.6512716	.8043159
w1Agecent48	.9890439	.002876	-3.79	0.000	.9834231	.9946968
Sex	1	(omitted)				
PovStat	1.131113	.063402	2.20	0.028	1.01343	1.262462
w1edubr	.8302939	.0390982	-3.95	0.000	.7570929	.9105726
invmillsCES	.9935469	.0019136	-3.36	0.001	.9898033	.9973046

w1smoke	1.383876	.0820012	5.48	0.000	1.232138	1.5543
w1currdrugs	1.627162	.1057389	7.49	0.000	1.432573	1.848183
w1hei2010_total_scorecent43	.9892456	.0024159	-4.43	0.000	.9845219	.993992
w1BMIcent30	1.012597	.0036021	3.52	0.000	1.005561	1.019681

```
66 .
67 .
68 . **Interaction by Poverty Status**
69 . stcox c.Lnw1HCyscenter2p15##PovStat Race Sex c.w1Agecent48      w1edubr c.invmillsCES w1smoke  w1currdrugs c.w1

        Failure _d: failure
  Analysis time _t: timew1w3w4
       ID variable: HNDID

Iteration 0:  Log likelihood = -12677.516
Iteration 1:  Log likelihood = -12519.322
Iteration 2:  Log likelihood = -12509.802
Iteration 3:  Log likelihood = -12508.762
Iteration 4:  Log likelihood = -12508.709
Iteration 5:  Log likelihood = -12508.709
Refining estimates:
Iteration 0:  Log likelihood = -12508.709

Cox regression with Breslow method for ties

No. of subjects =         931                     Number of obs =  8,807
No. of failures =       1,562
Time at risk    = 39,387.9999
                                                  LR chi2(12)   = 337.62
Log likelihood = -12508.709                       Prob > chi2   = 0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
Lnw1HCyscenter2p15	.7660349	.0904589	-2.26	0.024	.6077607	.9655272
PovStat						
Below	1.108514	.0621028	1.84	0.066	.9932397	1.237168
PovStat#c.Lnw1HCyscenter2p15						
Below	2.082257	.3431549	4.45	0.000	1.507498	2.876152
Race	.7355109	.0382788	-5.90	0.000	.6641855	.8144958
Sex	.7486856	.0419037	-5.17	0.000	.6709003	.8354895
w1Agecent48	.9900246	.0029452	-3.37	0.001	.9842688	.995814
w1edubr	.8100801	.0381177	-4.48	0.000	.7387123	.8883429
invmillsCES	.9937133	.0019197	-3.26	0.001	.9899578	.997483
w1smoke	1.370394	.0814255	5.30	0.000	1.219745	1.539649
w1currdrugs	1.643589	.1069652	7.63	0.000	1.446761	1.867195
w1hei2010_total_scorecent43	.988135	.0024186	-4.88	0.000	.9834061	.9928867
w1BMIcent30	1.013012	.0035964	3.64	0.000	1.005987	1.020085

```
70 . stcox c.zw1w3w4HCysTRAJ##PovStat Race Sex c.w1Agecent48 Sex     w1edubr c.invmillsCES w1smoke  w1currdrugs c.w1

          Failure _d: failure
    Analysis time _t: timew1w3w4
         ID variable: HNDID

note: Sex omitted because of collinearity.
Iteration 0:  Log likelihood = -12673.686
Iteration 1:  Log likelihood = -12515.836
Iteration 2:  Log likelihood = -12504.383
Iteration 3:  Log likelihood = -12503.595
Iteration 4:  Log likelihood = -12503.565
Iteration 5:  Log likelihood = -12503.565
Refining estimates:
Iteration 0:  Log likelihood = -12503.565

Cox regression with Breslow method for ties

No. of subjects =         929                     Number of obs =  8,796
No. of failures =       1,562
Time at risk    = 39,292.2999
                                                  LR chi2(12)   = 340.24
Log likelihood = -12503.565                       Prob > chi2   = 0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
zw1w3w4HCysTRAJ	1.030247	.0359673	0.85	0.393	.9621102	1.103209
PovStat						
Below	1.11526	.0626011	1.94	0.052	.9990727	1.24496
PovStat#c.zw1w3w4HCysTRAJ						
Below	1.137088	.0589504	2.48	0.013	1.027224	1.258703
Race	.7171975	.0375813	-6.34	0.000	.6471957	.7947707
Sex	.7333244	.0392989	-5.79	0.000	.6602071	.8145393
w1Agecent48	.9893117	.0028683	-3.71	0.000	.9837059	.9949494
Sex	1	(omitted)				
w1edubr	.8249898	.0388942	-4.08	0.000	.7521745	.9048541
invmillsCES	.9934822	.0019378	-3.35	0.001	.9896913	.9972875
w1smoke	1.394613	.0827806	5.60	0.000	1.241449	1.566675
w1currdrugs	1.614075	.1049228	7.37	0.000	1.420991	1.833395
w1hei2010_total_scorecent43	.9888817	.0024211	-4.57	0.000	.9841478	.9936384
w1BMIcent30	1.011433	.0036075	3.19	0.001	1.004387	1.018528

```
71 .
72 .
73 .
74 . **Interaction by Anxiety score status**
```

```
75 . stcox c.Lnw1HCyscenter2p15##w1ANXIETYbr PovStat Race Sex c.w1Agecent48      w1edubr c.invmillsCES w1smoke  w1cu

          Failure _d: failure
    Analysis time _t: timew1w3w4
         ID variable: HNDID

Iteration 0:  Log likelihood = -10006.624
Iteration 1:  Log likelihood = -9874.4033
Iteration 2:  Log likelihood = -9835.9059
Iteration 3:  Log likelihood = -9835.6054
Iteration 4:  Log likelihood = -9835.6022
Iteration 5:  Log likelihood = -9835.6022
Refining estimates:
Iteration 0:  Log likelihood = -9835.6022

Cox regression with Breslow method for ties

No. of subjects =         768                     Number of obs =  7,327
No. of failures =       1,261
Time at risk    = 33,171.4999
                                                  LR chi2(13)   = 342.04
Log likelihood = -9835.6022                       Prob > chi2   = 0.0000
```

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
Lnw1HCyscenter2p15	1.630072	.1743639	4.57	0.000	1.321771	2.010283
2.w1ANXIETYbr	1.605829	.096152	7.91	0.000	1.428012	1.805787
w1ANXIETYbr#c.Lnw1HCyscenter2p15						
2	.7150982	.1189314	-2.02	0.044	.5161765	.9906793
PovStat	1.104296	.0694358	1.58	0.115	.9762563	1.249129
Race	.7776932	.0456078	-4.29	0.000	.6932496	.8724227
Sex	.7454688	.0461062	-4.75	0.000	.6603647	.8415407
w1Agecent48	.9908572	.0033563	-2.71	0.007	.9843008	.9974573
w1edubr	.7716371	.0411199	-4.86	0.000	.6951095	.8565898
invmillsCES	.9929487	.0017566	-4.00	0.000	.9895118	.9963976
w1smoke	1.323035	.0871206	4.25	0.000	1.162842	1.505297
w1currdrugs	1.496644	.1090264	5.54	0.000	1.297511	1.72634
w1hei2010_total_scorecent43	.9898747	.0027007	-3.73	0.000	.9845955	.9951823
w1BMIcent30	1.013087	.0040009	3.29	0.001	1.005276	1.020959

```
76 . stcox c.zw1w3w4HCysTRAJ##w1ANXIETYbr PovStat Race Sex c.w1Agecent48 Sex     w1edubr c.invmillsCES w1smoke  w1cu

          Failure _d: failure
    Analysis time _t: timew1w3w4
         ID variable: HNDID

note: Sex omitted because of collinearity.
Iteration 0:  Log likelihood = -10002.981
Iteration 1:  Log likelihood = -9873.0217
Iteration 2:  Log likelihood = -9836.9925
Iteration 3:  Log likelihood = -9836.6623
Iteration 4:  Log likelihood = -9836.6588
Iteration 5:  Log likelihood = -9836.6588
Refining estimates:
Iteration 0:  Log likelihood = -9836.6588

Cox regression with Breslow method for ties
```

No. of subjects = **766** Number of obs = **7,316**
No. of failures = **1,261**
Time at risk = **33,075.7999**

LR chi2(**13**) = **332.65**
Log likelihood = **-9836.6588** Prob > chi2 = **0.0000**

_t	Haz. ratio	Std. err.	z	P>|z|	[95% conf.	interval]
zw1w3w4HCysTRAJ	**1.091336**	**.0387904**	**2.46**	**0.014**	**1.017896**	**1.170074**
2.w1ANXIETYbr	**1.582383**	**.0942942**	**7.70**	**0.000**	**1.407954**	**1.778421**
w1ANXIETYbr#c.zw1w3w4HCysTRAJ 2	**.9754033**	**.0551448**	**-0.44**	**0.660**	**.8730944**	**1.089701**
PovStat	**1.11033**	**.0700051**	**1.66**	**0.097**	**.9812616**	**1.256376**
Race	**.7640503**	**.0450938**	**-4.56**	**0.000**	**.6805884**	**.8577475**
Sex	**.7838003**	**.0470273**	**-4.06**	**0.000**	**.6968416**	**.8816106**
w1Agecent48	**.9934014**	**.0032826**	**-2.00**	**0.045**	**.9869884**	**.9998561**
Sex	**1**	(omitted)				
w1edubr	**.7771392**	**.0415171**	**-4.72**	**0.000**	**.6998824**	**.8629241**
invmillsCES	**.9927035**	**.0017454**	**-4.17**	**0.000**	**.9892885**	**.9961303**
w1smoke	**1.329798**	**.0875331**	**4.33**	**0.000**	**1.168842**	**1.512918**
w1currdrugs	**1.513759**	**.1102755**	**5.69**	**0.000**	**1.312345**	**1.746087**
w1hei2010_total_scorecent43	**.9896848**	**.0026872**	**-3.82**	**0.000**	**.984432**	**.9949657**
w1BMIcent30	**1.012534**	**.0040352**	**3.13**	**0.002**	**1.004656**	**1.020474**

```
77 .
78 .
79 .
80 .
81 . capture log close
```