```
 __   __   __   __   ___(R)
/_   /   /__/  /   /__/
__/ /  /__/  /   /__/
        Statistics/Data analysis
```

```
 1 .
 2 .
 3 . **STEP 16: COX PH MODEL OF DEMENTIA STATUS VS. MORTALITY BY SLEEP TERTILE****
 4 .
 5 . capture drop poorsleepalt_2006tert

 6 . xtile poorsleepalt_2006tert=poorsleepalt_2006 if sample_final==1,nq(3)

 7 .
 8 . save, replace
   (file C:\Users\baydounm\AppData\Local\Temp\ST_6434_000002.tmp not found)
   file C:\Users\baydounm\AppData\Local\Temp\ST_6434_000002.tmp saved as .dta format

 9 .
10 .
11 . ***************OVERALL*****************
12 .
13 . ***MODEL 1****
14 . foreach x of varlist poorsleepalt_2006 lnhurd_odds lnexpert_odds lnlasso_odds {
   2. mi estimate: svy, subpop(sample_final): stcox `x' AGE2006 SEX NonWhite
   3.
15 . }
```

Multiple-imputation estimates	Imputations	=	5
Survey: Cox regression	Number of obs	=	6,951

Number of strata =	52	Population size	=	22,747,247
Number of PSUs =	104	Subpop. no. obs	=	6,718
		Subpop. size	=	22,734,819
		Average RVI	=	0.0000
		Largest FMI	=	0.0000
		Complete DF	=	52
DF adjustment: Small sample		DF: min	=	50.11
		avg	=	50.11
		max	=	50.11
Model F test: Equal FMI		$F(4, 50.1)$	=	532.40
Within VCE type: Linearized		Prob > F	=	0.0000

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]
poorsleepalt_2006	.0194406	.0072948	2.66	0.010	.0047892	.0340919
AGE2006	.1050115	.0028163	37.29	0.000	.0993552	.1106678
SEX	-.3565308	.032506	-10.97	0.000	-.4218175	-.291244
NonWhite	.0899852	.0476523	1.89	0.065	-.005722	.1856924

Multiple-imputation estimates	Imputations	=	5
Survey: Cox regression	Number of obs	=	6,951

Number of strata =	52	Population size	=	22,747,247
Number of PSUs =	104	Subpop. no. obs	=	6,718
		Subpop. size	=	22,734,819
		Average RVI	=	0.0000
		Largest FMI	=	0.0000
		Complete DF	=	52
DF adjustment: Small sample		DF: min	=	50.11
		avg	=	50.11
		max	=	50.11
Model F test: Equal FMI		$F(4, 50.1)$	=	495.54
Within VCE type: Linearized		Prob > F	=	0.0000

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnhurd_odds	.0855487	.0098459	8.69	0.000	.0657737	.1053236
AGE2006	.0844039	.0035252	23.94	0.000	.0773238	.091484
SEX	-.3407518	.0306056	-11.13	0.000	-.4022217	-.2792819
NonWhite	-.044719	.0483307	-0.93	0.359	-.1417889	.0523508

```
Multiple-imputation estimates              Imputations     =            5
Survey: Cox regression                     Number of obs   =        6,951

Number of strata =          52             Population size =   22,747,247
Number of PSUs   =         104             Subpop. no. obs =        6,718
                                           Subpop. size    =   22,734,819
                                           Average RVI     =       0.0000
                                           Largest FMI     =       0.0000
                                           Complete DF     =           52
DF adjustment:    Small sample             DF:      min    =        50.11
                                                    avg    =        50.11
                                                    max    =        50.11
Model F test:         Equal FMI            F(   4,   50.1) =       473.07
Within VCE type:     Linearized            Prob > F        =       0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnexpert_odds	.1505284	.0088549	17.00	0.000	.1327437	.168313
AGE2006	.0705582	.0035218	20.03	0.000	.0634849	.0776315
SEX	-.3343577	.031411	-10.64	0.000	-.3974452	-.2712703
NonWhite	-.1199371	.0479809	-2.50	0.016	-.2163043	-.0235699

```
Multiple-imputation estimates              Imputations     =            5
Survey: Cox regression                     Number of obs   =        6,951

Number of strata =          52             Population size =   22,747,247
Number of PSUs   =         104             Subpop. no. obs =        6,718
                                           Subpop. size    =   22,734,819
                                           Average RVI     =       0.0000
                                           Largest FMI     =       0.0000
                                           Complete DF     =           52
DF adjustment:    Small sample             DF:      min    =        50.11
                                                    avg    =        50.11
                                                    max    =        50.11
Model F test:         Equal FMI            F(   4,   50.1) =       490.47
Within VCE type:     Linearized            Prob > F        =       0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnlasso_odds	.1939897	.0108917	17.81	0.000	.1721142	.2158652
AGE2006	.0751002	.0032512	23.10	0.000	.0685703	.0816301
SEX	-.3803938	.0321403	-11.84	0.000	-.444946	-.3158417
NonWhite	-.0968869	.0461882	-2.10	0.041	-.1896536	-.0041201

```
16 .
17 . foreach x of varlist poorsleepalt_2006tert hurd_dem expert_dem lasso_dem {
    2. mi estimate: svy, subpop(sample_final): stcox `x' AGE2006 SEX NonWhite
    3.
18 . }
```

```
Multiple-imputation estimates                Imputations       =            5
Survey: Cox regression                       Number of obs     =        6,951

Number of strata  =          52              Population size    =   22,747,247
Number of PSUs    =         104              Subpop. no. obs    =        6,718
                                             Subpop. size       =   22,734,819
                                             Average RVI        =       0.0000
                                             Largest FMI        =       0.0000
                                             Complete DF        =           52
DF adjustment:    Small sample               DF:       min      =        50.11
                                                       avg      =        50.11
                                                       max      =        50.11
Model F test:       Equal FMI                F(   4,   50.1)    =       524.64
Within VCE type:    Linearized               Prob > F           =       0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
poorsleepalt_2006tert	.056259	.018877	2.98	0.004	.0183455	.0941725
AGE2006	.10495	.0028156	37.27	0.000	.0992949	.1106051
SEX	-.3569327	.0323981	-11.02	0.000	-.4220027	-.2918626
NonWhite	.090749	.0474631	1.91	0.062	-.0045783	.1860762

```
Multiple-imputation estimates                Imputations       =            5
Survey: Cox regression                       Number of obs     =        6,951

Number of strata  =          52              Population size    =   22,747,247
Number of PSUs    =         104              Subpop. no. obs    =        6,718
                                             Subpop. size       =   22,734,819
                                             Average RVI        =       0.0000
                                             Largest FMI        =       0.0000
                                             Complete DF        =           52
DF adjustment:    Small sample               DF:       min      =        50.11
                                                       avg      =        50.11
                                                       max      =        50.11
Model F test:       Equal FMI                F(   4,   50.1)    =       514.02
Within VCE type:    Linearized               Prob > F           =       0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
hurd_dem	.674912	.0566489	11.91	0.000	.5611354	.7886885
AGE2006	.0906107	.0027607	32.82	0.000	.0850659	.0961555
SEX	-.3551845	.0335651	-10.58	0.000	-.4225984	-.2877706
NonWhite	.0150917	.047185	0.32	0.750	-.079677	.1098604

```
Multiple-imputation estimates                Imputations       =            5
Survey: Cox regression                       Number of obs     =        6,951
```

```
Number of strata  =         52        Population size  =  22,747,247
Number of PSUs    =        104        Subpop. no. obs  =       6,718
                                      Subpop. size     =  22,734,819
                                      Average RVI      =      0.0000
                                      Largest FMI      =      0.0000
                                      Complete DF      =         52
DF adjustment:    Small sample        DF:      min     =      50.11
                                               avg     =      50.11
                                               max     =      50.11
Model F test:     Equal FMI           F(  4,  50.1)    =     496.12
Within VCE type:  Linearized          Prob > F         =      0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
expert_dem	.7305453	.0553694	13.19	0.000	.6193385	.841752
AGE2006	.0914346	.0027434	33.33	0.000	.0859246	.0969446
SEX	-.3665609	.0308718	-11.87	0.000	-.4285654	-.3045563
NonWhite	.0098477	.0509086	0.19	0.847	-.0923998	.1120952

```
Multiple-imputation estimates          Imputations      =          5
Survey: Cox regression                 Number of obs    =      6,951

Number of strata  =         52        Population size  =  22,747,247
Number of PSUs    =        104        Subpop. no. obs  =       6,718
                                      Subpop. size     =  22,734,819
                                      Average RVI      =      0.0000
                                      Largest FMI      =      0.0000
                                      Complete DF      =         52
DF adjustment:    Small sample        DF:      min     =      50.11
                                               avg     =      50.11
                                               max     =      50.11
Model F test:     Equal FMI           F(  4,  50.1)    =     518.39
Within VCE type:  Linearized          Prob > F         =      0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lasso_dem	.6814181	.0581212	11.72	0.000	.5646845	.7981517
AGE2006	.0910614	.0027918	32.62	0.000	.0854541	.0966686
SEX	-.370657	.0323137	-11.47	0.000	-.4355575	-.3057564
NonWhite	-.0020961	.0507885	-0.04	0.967	-.1041022	.09991

```
19 .
20 .
21 . ***MODEL 2****
22 . foreach x of varlist poorsleepalt_2006 lnhurd_odds lnexpert_odds lnlasso_odds {
   2. mi estimate: svy, subpop(sample_final): stcox `x' AGE2006 SEX NonWhite i.education  i.totwealth_2006 i.marit
 > 06 cesd_2006
   3.
```

23 . }

Multiple-imputation estimates
Survey: Cox regression

Imputations	=	5
Number of obs	=	6,601

Number of strata	=	52
Number of PSUs	=	104

Population size	=	21,648,399
Subpop. no. obs	=	6,368
Subpop. size	=	21,635,971
Average RVI	=	0.0014
Largest FMI	=	0.0117
Complete DF	=	52

DF adjustment: **Small sample**

DF:	min	=	49.55
	avg	=	50.07
	max	=	50.11

Model F test: **Equal FMI**
Within VCE type: **Linearized**

F(24, 50.1)	=	101.61
Prob > F	=	0.0000

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
poorsleepalt_2006	-.0384903	.0100284	-3.84	0.000	-.0586319	-.0183487
AGE2006	.0956629	.0039113	24.46	0.000	.0878073	.1035186
SEX	-.4206395	.0367403	-11.45	0.000	-.4944315	-.3468476
NonWhite	-.1637451	.0564175	-2.90	0.005	-.2770596	-.0504306
education						
2	-.1941673	.1141813	-1.70	0.095	-.4234952	.0351605
3	-.0434014	.047236	-0.92	0.363	-.1382729	.0514701
4	-.0866448	.0627719	-1.38	0.174	-.2127191	.0394295
5	-.1504133	.0576927	-2.61	0.012	-.2662864	-.0345402
totwealth_2006						
2	-.1031933	.0420309	-2.46	0.018	-.1876108	-.0187758
3	-.0084616	.1031604	-0.08	0.935	-.2156544	.1987312
4	-.4366893	.3160003	-1.38	0.173	-1.071379	.1980003
5	-1.795109	1.072089	-1.67	0.100	-3.948347	.358128
marital_2006						
2	-.158911	.1084825	-1.46	0.149	-.3767929	.058971
3	-.0594115	.1367311	-0.43	0.666	-.3340295	.2152066
4	-.0811848	.1110584	-0.73	0.468	-.3042403	.1418706
work_st_2006	-.1307632	.0539878	-2.42	0.019	-.2391952	-.0223312
smoking_2006						
2	.2703345	.0422701	6.40	0.000	.1854365	.3552324
3	.6662958	.0727196	9.16	0.000	.5202014	.8123901
physic_act_2006	-.1897172	.0249353	-7.61	0.000	-.239799	-.1396354
2.srh_2006	.369546	.0450236	8.21	0.000	.2791169	.459975
bmibr_2006						
2	-.2407287	.0468942	-5.13	0.000	-.3349139	-.1465435
3	-.1751318	.0517566	-3.38	0.001	-.2790825	-.0711811
cardiometcondbr_2006	.3153086	.0333164	9.46	0.000	.2483941	.382223
cesd_2006	.0231823	.011578	2.00	0.051	-.000072	.0464366

Multiple-imputation estimates
Survey: Cox regression

Imputations	=	5
Number of obs	=	6,601

```
Number of strata   =        52          Population size   =   21,648,399
Number of PSUs     =       104          Subpop. no. obs   =        6,368
                                        Subpop. size      =   21,635,971
                                        Average RVI       =       0.0012
                                        Largest FMI       =       0.0083
                                        Complete DF       =           52
DF adjustment:   Small sample           DF:     min       =        49.74
                                                avg       =        50.08
                                                max       =        50.11
Model F test:    Equal FMI              F( 24,  50.1)     =        98.03
Within VCE type: Linearized             Prob > F          =       0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnhurd_odds	.0989917	.0100411	9.86	0.000	.0788247	.1191588
AGE2006	.0758362	.0046027	16.48	0.000	.066592	.0850805
SEX	-.3860905	.034812	-11.09	0.000	-.4560094	-.3161716
NonWhite	-.241155	.0564817	-4.27	0.000	-.354598	-.1277121
education						
2	-.1935758	.1016886	-1.90	0.063	-.3978127	.0106611
3	-.0192099	.0475238	-0.40	0.688	-.1146592	.0762394
4	-.0497702	.0618199	-0.81	0.425	-.1739326	.0743922
5	-.0628626	.0565474	-1.11	0.272	-.1764356	.0507104
totwealth_2006						
2	-.050343	.0425053	-1.18	0.242	-.1357132	.0350272
3	.0324711	.0980034	0.33	0.742	-.164364	.2293062
4	-.3788989	.2985867	-1.27	0.210	-.978626	.2208282
5	-1.724331	1.108974	-1.55	0.126	-3.951652	.5029894
marital_2006						
2	-.1950161	.1110983	-1.76	0.085	-.4181517	.0281194
3	-.0633035	.1397497	-0.45	0.653	-.3439841	.217377
4	-.0905569	.1136779	-0.80	0.429	-.3188735	.1377597
work_st_2006	-.0889333	.0509157	-1.75	0.087	-.1911951	.0133286
smoking_2006						
2	.2789003	.0423117	6.59	0.000	.1939185	.3638821
3	.6723111	.0837318	8.03	0.000	.5041094	.8405128
physic_act_2006	-.1684567	.0253478	-6.65	0.000	-.219367	-.1175465
2.srh_2006	.3220846	.0420249	7.66	0.000	.2376784	.4064908
bmibr_2006						
2	-.2160308	.0478243	-4.52	0.000	-.3120839	-.1199776
3	-.136931	.0526083	-2.60	0.012	-.2425924	-.0312696
cardiometcondbr_2006	.29223	.0356331	8.20	0.000	.2206626	.3637974
cesd_2006	-.0032107	.0102095	-0.31	0.754	-.0237162	.0172949

```
Multiple-imputation estimates           Imputations   =            5
Survey: Cox regression                  Number of obs =        6,601
```

Number of strata	=	**52**	Population size	=	**21,648,399**	
Number of PSUs	=	**104**	Subpop. no. obs	=	**6,368**	
			Subpop. size	=	**21,635,971**	
			Average RVI	=	**0.0012**	
			Largest FMI	=	**0.0083**	
			Complete DF	=	**52**	
DF adjustment:	**Small sample**		DF: min	=	**49.75**	
			avg	=	**50.08**	
			max	=	**50.11**	
Model F test:	**Equal FMI**		F(24, 50.1)	=	**91.28**	
Within VCE type:	**Linearized**		Prob > F	=	**0.0000**	

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnexpert_odds	.1008796	.0087909	11.48	0.000	.0832236	.1185356
AGE2006	.0758126	.0044437	17.06	0.000	.0668875	.0847376
SEX	-.3819454	.0354009	-10.79	0.000	-.4530472	-.3108436
NonWhite	-.2163228	.0552822	-3.91	0.000	-.3273565	-.105289
education						
2	-.1522148	.096643	-1.58	0.122	-.346318	.0418883
3	.0078078	.0469599	0.17	0.869	-.0865089	.1021246
4	-.0321906	.0618267	-0.52	0.605	-.1563665	.0919853
5	-.0561178	.0578496	-0.97	0.337	-.172306	.0600705
totwealth_2006						
2	-.0501995	.0418452	-1.20	0.236	-.1342439	.0338449
3	.039613	.100323	0.39	0.695	-.161881	.241107
4	-.3771513	.3005875	-1.25	0.215	-.9809004	.2265978
5	-1.732967	1.122255	-1.54	0.129	-3.98696	.5210267
marital_2006						
2	-.1620787	.1106131	-1.47	0.149	-.3842397	.0600824
3	-.0523581	.1369064	-0.38	0.704	-.327328	.2226117
4	-.0811307	.113005	-0.72	0.476	-.3080958	.1458343
work_st_2006	-.0992325	.0515678	-1.92	0.060	-.202804	.004339
smoking_2006						
2	.2888327	.0433859	6.66	0.000	.2016937	.3759717
3	.6601395	.0861671	7.66	0.000	.4870461	.8332329
physic_act_2006	-.1576096	.026152	-6.03	0.000	-.2101351	-.105084
2.srh_2006	.3241805	.0420091	7.72	0.000	.2398058	.4085552
bmibr_2006						
2	-.2201934	.0487879	-4.51	0.000	-.3181818	-.122205
3	-.1399369	.0547842	-2.55	0.014	-.2499684	-.0299055
cardiometcondbr_2006	.2754875	.0366191	7.52	0.000	.2019398	.3490353
cesd_2006	-.0047401	.0101175	-0.47	0.641	-.0250609	.0155807

Multiple-imputation estimates		Imputations	=	**5**	
Survey: Cox regression		Number of obs	=	**6,601**	

Number of strata	=	52	Population size	=	21,648,399
Number of PSUs	=	104	Subpop. no. obs	=	6,368
			Subpop. size	=	21,635,971
			Average RVI	=	0.0013
			Largest FMI	=	0.0083
			Complete DF	=	52
DF adjustment:	**Small sample**		DF: min	=	49.74
			avg	=	50.08
			max	=	50.11
Model F test:	**Equal FMI**		F(24, 50.1)	=	92.61
Within VCE type:	**Linearized**		Prob > F	=	0.0000

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnlasso_odds	.1501989	.013127	11.44	0.000	.123834	.1765638
AGE2006	.0763743	.0043627	17.51	0.000	.067612	.0851366
SEX	-.4290249	.0349718	-12.27	0.000	-.4992647	-.3587851
NonWhite	-.2084215	.0547318	-3.81	0.000	-.3183499	-.098493
education						
2	-.1267524	.0973004	-1.30	0.199	-.3221758	.0686711
3	.0366458	.0480197	0.76	0.449	-.0597996	.1330912
4	.0090768	.0627017	0.14	0.885	-.1168566	.1350102
5	-.0115824	.0585207	-0.20	0.844	-.1291186	.1059538
totwealth_2006						
2	-.0434722	.0418673	-1.04	0.304	-.1275611	.0406167
3	.0448129	.0976023	0.46	0.648	-.1512167	.2408425
4	-.3706157	.2958987	-1.25	0.216	-.964954	.2237226
5	-1.771611	1.110676	-1.60	0.117	-4.002349	.459127
marital_2006						
2	-.1920541	.1108367	-1.73	0.089	-.4146644	.0305561
3	-.050289	.1377274	-0.37	0.717	-.326908	.22633
4	-.0921728	.1134301	-0.81	0.420	-.3199917	.1356461
work_st_2006	-.0918848	.0501569	-1.83	0.073	-.1926226	.0088529
smoking_2006						
2	.2890514	.0428668	6.74	0.000	.2029549	.3751478
3	.6605436	.0875498	7.54	0.000	.4846722	.836415
physic_act_2006	-.1561982	.0256499	-6.09	0.000	-.2077153	-.1046811
2.srh_2006	.3322781	.042734	7.78	0.000	.2464476	.4181086
bmibr_2006						
2	-.1923126	.0489206	-3.93	0.000	-.2905675	-.0940576
3	-.08088	.0542803	-1.49	0.142	-.1898994	.0281394
cardiometcondbr_2006	.2847991	.0369143	7.72	0.000	.2106585	.3589397
cesd_2006	-.0039969	.0098658	-0.41	0.687	-.0238122	.0158184

```
24 .
25 . foreach x of varlist poorsleepalt_2006tert hurd_dem expert_dem lasso_dem {
   2. mi estimate: svy, subpop(sample_final): stcox `x' AGE2006 SEX NonWhite i.education  i.totwealth_2006 i.marit
   > 06 cesd_2006
   3.
26 . }
```

Multiple-imputation estimates		Imputations		=	5
Survey: Cox regression		Number of obs		=	6,601
Number of strata = 52		Population size		=	21,648,399
Number of PSUs = 104		Subpop. no. obs		=	6,368
		Subpop. size		=	21,635,971
		Average RVI		=	0.0014
		Largest FMI		=	0.0099
		Complete DF		=	52
DF adjustment: **Small sample**		DF: min		=	49.66
		avg		=	50.08
		max		=	50.11
Model F test: **Equal FMI**		F(24, 50.1)		=	92.44
Within VCE type: **Linearized**		Prob > F		=	0.0000

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
poorsleepalt_2006tert	-.0716475	.0237639	-3.01	0.004	-.1193765	-.0239185
AGE2006	.0955031	.0039971	23.89	0.000	.0874751	.103531
SEX	-.4257707	.036441	-11.68	0.000	-.4989615	-.3525798
NonWhite	-.160112	.0568669	-2.82	0.007	-.274329	-.0458951
education						
2	-.1907523	.1135549	-1.68	0.099	-.418822	.0373175
3	-.0457356	.0472637	-0.97	0.338	-.1406626	.0491915
4	-.088883	.0626306	-1.42	0.162	-.2146737	.0369076
5	-.1514479	.0576671	-2.63	0.011	-.2672696	-.0356262
totwealth_2006						
2	-.1033208	.0422501	-2.45	0.018	-.1881786	-.0184631
3	-.0124492	.1031598	-0.12	0.904	-.2196408	.1947425
4	-.4466487	.3169011	-1.41	0.165	-1.083147	.1898494
5	-1.797924	1.071733	-1.68	0.100	-3.950447	.3545995
marital_2006						
2	-.1579484	.1084283	-1.46	0.151	-.3757215	.0598246
3	-.0575788	.136218	-0.42	0.674	-.3311663	.2160087
4	-.0796575	.1113599	-0.72	0.478	-.3033185	.1440036
work_st_2006	-.1332573	.0538478	-2.47	0.017	-.2414079	-.0251066
smoking_2006						
2	.2695332	.0428283	6.29	0.000	.1835143	.3555522
3	.658131	.0790696	8.32	0.000	.4992878	.8169742
physic_act_2006	-.1906163	.0249627	-7.64	0.000	-.2407531	-.1404794
2.srh_2006	.3643932	.0451741	8.07	0.000	.2736619	.4551244
bmibr_2006						
2	-.2393243	.0469454	-5.10	0.000	-.3336123	-.1450364
3	-.1755834	.051627	-3.40	0.001	-.2792739	-.0718929
cardiometcondbr_2006	.3106308	.0347467	8.94	0.000	.2408437	.3804178
cesd_2006	.0173253	.0112585	1.54	0.130	-.0052872	.0399379

Multiple-imputation estimates

Imputations	=	5
Number of obs	=	6,601

Survey: Cox regression

Number of strata	=	52	
Number of PSUs	=	104	

Population size	=	21,648,399
Subpop. no. obs	=	6,368
Subpop. size	=	21,635,971
Average RVI	=	0.0010
Largest FMI	=	0.0081
Complete DF	=	52

DF adjustment: **Small sample**

DF:	min	=	49.75
	avg	=	50.08
	max	=	50.11

Model F test: **Equal FMI**

Within VCE type: **Linearized**

F(24, 50.1)	=	83.04
Prob > F	=	0.0000

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
hurd_dem	.3997768	.0648262	6.17	0.000	.2695765	.5299771
AGE2006	.087905	.0040478	21.72	0.000	.0797751	.0960349
SEX	-.4289178	.0359811	-11.92	0.000	-.501185	-.3566506
NonWhite	-.1653855	.056642	-2.92	0.005	-.2791503	-.0516207
education						
2	-.168491	.1037731	-1.62	0.111	-.3769143	.0399324
3	-.0242111	.0476091	-0.51	0.613	-.1198318	.0714096
4	-.0683273	.0615627	-1.11	0.272	-.191973	.0553184
5	-.1268373	.0564297	-2.25	0.029	-.2401738	-.0135008
totwealth_2006						
2	-.0733395	.0425282	-1.72	0.091	-.1587557	.0120767
3	.0083828	.1011252	0.08	0.934	-.1947224	.2114879
4	-.4265689	.3126202	-1.36	0.179	-1.054472	.2013344
5	-1.761352	1.06978	-1.65	0.106	-3.909952	.3872482
marital_2006						
2	-.1692034	.1106541	-1.53	0.133	-.3914468	.05304
3	-.0343419	.1403652	-0.24	0.808	-.3162587	.2475749
4	-.0695571	.1139803	-0.61	0.544	-.2984809	.1593668
work_st_2006	-.1370444	.0526658	-2.60	0.012	-.2428211	-.0312677
smoking_2006						
2	.2691309	.0414504	6.49	0.000	.1858794	.3523825
3	.6647253	.0783861	8.48	0.000	.507263	.8221877
physic_act_2006	-.1782262	.0257083	-6.93	0.000	-.2298606	-.1265918
2.srh_2006	.3368281	.0431715	7.80	0.000	.250119	.4235373
bmibr_2006						
2	-.220717	.0488818	-4.52	0.000	-.3188941	-.1225398
3	-.1475425	.0536843	-2.75	0.008	-.255365	-.03972
cardiometcondbr_2006	.3052392	.0355962	8.58	0.000	.2337459	.3767324
cesd_2006	.0000774	.0102507	0.01	0.994	-.0205109	.0206657

Multiple-imputation estimates

Imputations	=	5
Number of obs	=	6,601

Survey: Cox regression

```
Number of strata   =        52          Population size  =  21,648,399
Number of PSUs     =       104          Subpop. no. obs  =       6,368
                                        Subpop. size     =  21,635,971
                                        Average RVI      =      0.0010
                                        Largest FMI      =      0.0079
                                        Complete DF      =          52
DF adjustment:   Small sample           DF:    min       =       49.77
                                               avg       =       50.08
                                               max       =       50.11
Model F test:    Equal FMI              F(  24,  50.1)   =       88.91
Within VCE type:  Linearized            Prob > F         =      0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
expert_dem	.4570605	.0574601	7.95	0.000	.3416545	.5724665
AGE2006	.0888922	.0039351	22.59	0.000	.0809887	.0967958
SEX	-.427039	.0345104	-12.37	0.000	-.4963524	-.3577256
NonWhite	-.165746	.0576246	-2.88	0.006	-.2814841	-.0500079
education						
2	-.1804609	.1030822	-1.75	0.086	-.3874968	.0265749
3	-.0114301	.0450402	-0.25	0.801	-.1018914	.0790312
4	-.0594856	.0610113	-0.97	0.334	-.1820238	.0630526
5	-.1094373	.0574645	-1.90	0.063	-.2248521	.0059774
totwealth_2006						
2	-.0828391	.0398289	-2.08	0.043	-.1628339	-.0028443
3	-.0009654	.1011061	-0.01	0.992	-.2040323	.2021015
4	-.460571	.3063838	-1.50	0.139	-1.075959	.1548171
5	-1.767578	1.070069	-1.65	0.105	-3.916759	.3816026
marital_2006						
2	-.1613979	.1121169	-1.44	0.156	-.3865793	.0637836
3	-.0387654	.1395715	-0.28	0.782	-.3190879	.2415572
4	-.0754472	.1145204	-0.66	0.513	-.3054559	.1545615
work_st_2006	-.1306528	.0521364	-2.51	0.016	-.2353664	-.0259392
smoking_2006						
2	.2829384	.042452	6.66	0.000	.1976755	.3682014
3	.6732208	.0771546	8.73	0.000	.5182333	.8282083
physic_act_2006	-.1705835	.0251878	-6.77	0.000	-.2211724	-.1199946
2.srh_2006	.3386117	.0417618	8.11	0.000	.2547339	.4224895
bmibr_2006						
2	-.2238462	.0479879	-4.66	0.000	-.3202279	-.1274644
3	-.1417931	.0529721	-2.68	0.010	-.2481852	-.035401
cardiometcondbr_2006	.2966893	.0363057	8.17	0.000	.2237711	.3696075
cesd_2006	-.0012119	.0107232	-0.11	0.910	-.0227492	.0203254

```
Multiple-imputation estimates           Imputations      =           5
Survey: Cox regression                  Number of obs    =       6,601
```

```
Number of strata   =         52          Population size   =   21,648,399
Number of PSUs     =        104          Subpop. no. obs   =        6,368
                                         Subpop. size      =   21,635,971
                                         Average RVI       =       0.0009
                                         Largest FMI       =       0.0061
                                         Complete DF       =           52
DF adjustment:   Small sample            DF:     min       =        49.87
                                                 avg       =        50.09
                                                 max       =        50.11
Model F test:    Equal FMI               F( 24,   50.1)    =        88.48
Within VCE type: Linearized              Prob > F          =       0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
lasso_dem	.4150289	.0673756	6.16	0.000	.2797079	.5503498
AGE2006	.0881507	.0038997	22.60	0.000	.0803182	.0959832
SEX	-.4435561	.0353143	-12.56	0.000	-.5144839	-.3726283
NonWhite	-.1732758	.0568104	-3.05	0.004	-.2873784	-.0591732
education						
2	-.1772056	.1018203	-1.74	0.088	-.3817069	.0272956
3	-.0217271	.0484505	-0.45	0.656	-.1190378	.0755836
4	-.0588422	.0614323	-0.96	0.343	-.1822261	.0645417
5	-.1187614	.0567374	-2.09	0.041	-.2327157	-.004807
totwealth_2006						
2	-.0765194	.0417568	-1.83	0.073	-.1603861	.0073473
3	.0038545	.1016514	0.04	0.970	-.2003076	.2080166
4	-.4550922	.3056237	-1.49	0.143	-1.068948	.1587637
5	-1.755466	1.067014	-1.65	0.106	-3.898511	.3875794
marital_2006						
2	-.1664512	.108963	-1.53	0.133	-.3852982	.0523958
3	-.0260424	.1358272	-0.19	0.849	-.2988448	.24676
4	-.0795133	.1118506	-0.71	0.480	-.3041599	.1451333
work_st_2006	-.1353291	.0519016	-2.61	0.012	-.239571	-.0310871
smoking_2006						
2	.2677388	.0421417	6.35	0.000	.1830989	.3523786
3	.6256638	.0933257	6.70	0.000	.4382013	.8131263
physic_act_2006	-.1719101	.0249299	-6.90	0.000	-.2219811	-.1218391
2.srh_2006	.3455866	.0432958	7.98	0.000	.258628	.4325453
bmibr_2006						
2	-.2140818	.0479314	-4.47	0.000	-.3103501	-.1178135
3	-.1273868	.0521574	-2.44	0.018	-.2321426	-.022631
cardiometcondbr_2006	.2937174	.0386856	7.59	0.000	.2160192	.3714155
cesd_2006	.0021465	.0110548	0.19	0.847	-.0200569	.0243498

```
27 .
28 .
29 .
30 .
31 . ***********************FIRST POOR SLEEP QUALITY TERTILE***************************************
32 .
33 . ***MODEL 1****
34 . foreach x of varlist  lnhurd_odds lnexpert_odds lnlasso_odds {
   2. mi estimate: svy, subpop(sample_final): stcox `x' AGE2006 SEX NonWhite if poorsleepalt_2006tert==1
   3.
35 . }
```

Multiple-imputation estimates   Imputations   =   5
Survey: Cox regression   Number of obs   =   2,470

Number of strata =   52   Population size   = 7,924,652
Number of PSUs   =   104   Subpop. no. obs   =   2,392
                                                Subpop. size   = 7,921,957
                                                Average RVI   =   0.0000
                                                Largest FMI   =   0.0000
                                                Complete DF   =   52
DF adjustment: Small sample   DF: min   =   50.11
                                                        avg   =   50.11
                                                        max   =   50.11
Model F test: Equal FMI   F(4,   50.1)   =   371.88
Within VCE type: Linearized   Prob > F   =   0.0000

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnhurd_odds	.0841226	.0115293	7.30	0.000	.0609665	.1072787
AGE2006	.0926783	.0049389	18.77	0.000	.0827588	.1025978
SEX	-.3090684	.0535089	-5.78	0.000	-.4165384	-.2015984
NonWhite	.079127	.0701615	1.13	0.265	-.061789	.220043

Multiple-imputation estimates   Imputations   =   5
Survey: Cox regression   Number of obs   =   2,470

Number of strata =   52   Population size   = 7,924,652
Number of PSUs   =   104   Subpop. no. obs   =   2,392
                                                Subpop. size   = 7,921,957
                                                Average RVI   =   0.0000
                                                Largest FMI   =   0.0000
                                                Complete DF   =   52
DF adjustment: Small sample   DF: min   =   50.11
                                                        avg   =   50.11
                                                        max   =   50.11
Model F test: Equal FMI   F(4,   50.1)   =   263.76
Within VCE type: Linearized   Prob > F   =   0.0000

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnexpert_odds	.1574367	.0149069	10.56	0.000	.1274969	.1873764
AGE2006	.077107	.0040964	18.82	0.000	.0688796	.0853344
SEX	-.2964624	.0520239	-5.70	0.000	-.4009497	-.191975
NonWhite	.0272889	.0708913	0.38	0.702	-.1150928	.1696706

Multiple-imputation estimates   Imputations   =   5
Survey: Cox regression   Number of obs   =   2,470

```
Number of strata    =        52              Population size  =  7,924,652
Number of PSUs      =       104              Subpop. no. obs  =      2,392
                                             Subpop. size     =  7,921,957
                                             Average RVI      =     0.0000
                                             Largest FMI      =     0.0000
                                             Complete DF      =         52
DF adjustment:    Small sample               DF:     min      =      50.11
                                                     avg      =      50.11
                                                     max      =      50.11
Model F test:       Equal FMI                F(   4,   50.1)  =     308.05
Within VCE type:    Linearized               Prob > F         =     0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnlasso_odds	.2051624	.0175565	11.69	0.000	.1699011	.2404237
AGE2006	.081499	.004108	19.84	0.000	.0732483	.0897498
SEX	-.3404335	.0527875	-6.45	0.000	-.4464547	-.2344123
NonWhite	.0314577	.069454	0.45	0.653	-.1080373	.1709526

```
36 .
37 . foreach x of varlist  hurd_dem expert_dem lasso_dem {
   2. mi estimate: svy, subpop(sample_final): stcox `x' AGE2006 SEX NonWhite if poorsleepalt_2006tert==1
   3.
38 . }
```

```
Multiple-imputation estimates                Imputations      =          5
Survey: Cox regression                       Number of obs    =      2,470

Number of strata    =        52              Population size  =  7,924,652
Number of PSUs      =       104              Subpop. no. obs  =      2,392
                                             Subpop. size     =  7,921,957
                                             Average RVI      =     0.0000
                                             Largest FMI      =     0.0000
                                             Complete DF      =         52
DF adjustment:    Small sample               DF:     min      =      50.11
                                                     avg      =      50.11
                                                     max      =      50.11
Model F test:       Equal FMI                F(   4,   50.1)  =     274.19
Within VCE type:    Linearized               Prob > F         =     0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
hurd_dem	.7997136	.0954406	8.38	0.000	.6080258	.9914013
AGE2006	.0964408	.0042845	22.51	0.000	.0878356	.105046
SEX	-.3119483	.0591475	-5.27	0.000	-.4307431	-.1931534
NonWhite	.1394085	.0680236	2.05	0.046	.0027864	.2760305

```
Multiple-imputation estimates                Imputations      =          5
Survey: Cox regression                       Number of obs    =      2,470
```

```
Number of strata   =          52           Population size    =  7,924,652
Number of PSUs     =         104           Subpop. no. obs    =      2,392
                                           Subpop. size       =  7,921,957
                                           Average RVI        =     0.0000
                                           Largest FMI        =     0.0000
                                           Complete DF        =         52
DF adjustment:     Small sample            DF:      min       =      50.11
                                                    avg       =      50.11
                                                    max       =      50.11
Model F test:      Equal FMI               F(   4,   50.1)    =     335.73
Within VCE type:   Linearized              Prob > F           =     0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
expert_dem	.8411332	.0902916	9.32	0.000	.6597871	1.022479
AGE2006	.0992574	.0037369	26.56	0.000	.091752	.1067629
SEX	-.3409126	.0542219	-6.29	0.000	-.4498146	-.2320105
NonWhite	.1636047	.0705974	2.32	0.025	.0218133	.3053961

```
Multiple-imputation estimates              Imputations        =          5
Survey: Cox regression                     Number of obs      =      2,470

Number of strata   =          52           Population size    =  7,924,652
Number of PSUs     =         104           Subpop. no. obs    =      2,392
                                           Subpop. size       =  7,921,957
                                           Average RVI        =     0.0000
                                           Largest FMI        =     0.0000
                                           Complete DF        =         52
DF adjustment:     Small sample            DF:      min       =      50.11
                                                    avg       =      50.11
                                                    max       =      50.11
Model F test:      Equal FMI               F(   4,   50.1)    =     289.52
Within VCE type:   Linearized              Prob > F           =     0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lasso_dem	.7321516	.0926194	7.90	0.000	.54613	.9181731
AGE2006	.0985147	.0038564	25.55	0.000	.0907693	.10626
SEX	-.3252278	.055583	-5.85	0.000	-.4368636	-.213592
NonWhite	.1216907	.0687003	1.77	0.083	-.0162905	.2596719

```
39 .
40 .
41 . ***MODEL 2****
42 . foreach x of varlist  lnhurd_odds lnexpert_odds lnlasso_odds {
   2. mi estimate: svy, subpop(sample_final): stcox `x' AGE2006 SEX NonWhite i.education  i.totwealth_2006 i.marit
 > 06 cesd_2006 if poorsleepalt_2006tert==1
   3.
```

43 . }

```
   Multiple-imputation estimates              Imputations      =            5
   Survey: Cox regression                     Number of obs    =        2,325

   Number of strata  =        52              Population size  =    7,484,218
   Number of PSUs    =       104              Subpop. no. obs  =        2,247
                                              Subpop. size     =    7,481,523
                                              Average RVI      =       0.0035
                                              Largest FMI      =       0.0481
                                              Complete DF      =           52
   DF adjustment:  Small sample               DF:    min       =        46.79
                                                     avg        =        49.95
                                                     max        =        50.11
   Model F test:   Equal FMI                  F( 24,   50.1)   =        81.78
   Within VCE type:  Linearized               Prob > F         =       0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnhurd_odds	.120369	.0151103	7.97	0.000	.0900207	.1507174
AGE2006	.0794633	.0056206	14.14	0.000	.0681744	.0907522
SEX	-.2765516	.0526133	-5.26	0.000	-.3822245	-.1708787
NonWhite	-.1606917	.0990699	-1.62	0.111	-.3596723	.0382889
education						
2	-.5183153	.2356594	-2.20	0.032	-.9916282	-.0450024
3	-.0687474	.0906662	-0.76	0.452	-.2508464	.1133515
4	-.1284285	.1180081	-1.09	0.282	-.3654423	.1085852
5	-.0624704	.1118906	-0.56	0.579	-.2871975	.1622566
totwealth_2006						
2	-.0552683	.0624077	-0.89	0.380	-.1806124	.0700759
3	.0480172	.1685297	0.28	0.777	-.2904688	.3865032
4	-.5679174	.5478729	-1.04	0.305	-1.66834	.5325055
5	-1.660757	1.178576	-1.41	0.165	-4.027873	.7063593
marital_2006						
2	-.0159633	.2043178	-0.08	0.938	-.426326	.3943994
3	.128161	.2526156	0.51	0.614	-.3792073	.6355292
4	.1210466	.2183037	0.55	0.582	-.3174063	.5594995
work_st_2006	-.0329218	.08733	-0.38	0.708	-.2083204	.1424767
smoking_2006						
2	.3027659	.0591801	5.12	0.000	.1839035	.4216284
3	.5995811	.0908213	6.60	0.000	.4168502	.7823121
physic_act_2006	-.2286135	.0374328	-6.11	0.000	-.3037967	-.1534304
2.srh_2006	.3320164	.0758664	4.38	0.000	.179637	.4843957
bmibr_2006						
2	-.2020896	.0706184	-2.86	0.006	-.3439246	-.0602547
3	-.2011555	.0903797	-2.23	0.031	-.3826796	-.0196314
cardiometcondbr_2006	.289071	.0395327	7.31	0.000	.2096713	.3684708
cesd_2006	-.0103515	.0247829	-0.42	0.678	-.0601279	.039425

```
   Multiple-imputation estimates              Imputations      =            5
   Survey: Cox regression                     Number of obs    =        2,325
```

```
Number of strata   =        52              Population size  =   7,484,218
Number of PSUs     =       104              Subpop. no. obs  =       2,247
                                            Subpop. size     =   7,481,523
                                            Average RVI      =      0.0033
                                            Largest FMI      =      0.0480
                                            Complete DF      =          52
DF adjustment:  Small sample                DF:    min       =       46.80
                                                   avg       =       49.95
                                                   max       =       50.11
Model F test:       Equal FMI               F( 24,  50.1)   =       90.73
Within VCE type:    Linearized              Prob > F         =      0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnexpert_odds	.1236218	.0138834	8.90	0.000	.0957376	.1515059
AGE2006	.0789586	.0052001	15.18	0.000	.0685143	.0894029
SEX	-.2763708	.0534303	-5.17	0.000	-.3836843	-.1690573
NonWhite	-.1204753	.09795	-1.23	0.224	-.3172069	.0762562
education						
2	-.4256656	.2212771	-1.92	0.060	-.870093	.0187619
3	-.0285022	.0908123	-0.31	0.755	-.2108947	.1538903
4	-.1200512	.1176182	-1.02	0.312	-.3562818	.1161794
5	-.0434888	.1136214	-0.38	0.704	-.2716921	.1847145
totwealth_2006						
2	-.0586659	.0629115	-0.93	0.356	-.1850221	.0676903
3	.0264061	.1710849	0.15	0.878	-.3172121	.3700242
4	-.6025102	.5251453	-1.15	0.257	-1.657312	.4522918
5	-1.69684	1.194902	-1.42	0.162	-4.096748	.7030671
marital_2006						
2	-.0032692	.201444	-0.02	0.987	-.40786	.4013215
3	.1206749	.2485027	0.49	0.629	-.3784332	.6197831
4	.1112361	.2151519	0.52	0.607	-.3208867	.5433589
work_st_2006	-.0553639	.0872138	-0.63	0.528	-.2305291	.1198013
smoking_2006						
2	.321116	.0589655	5.45	0.000	.2026854	.4395466
3	.5750548	.0946782	6.07	0.000	.384565	.7655446
physic_act_2006	-.2223372	.038324	-5.80	0.000	-.2993099	-.1453646
2.srh_2006	.318578	.0745822	4.27	0.000	.1687783	.4683778
bmibr_2006						
2	-.1986756	.0713509	-2.78	0.008	-.3419821	-.0553692
3	-.1951024	.0916328	-2.13	0.038	-.3791431	-.0110617
cardiometcondbr_2006	.267826	.0418899	6.39	0.000	.183692	.35196
cesd_2006	-.0084175	.0249991	-0.34	0.738	-.0586282	.0417931

```
Multiple-imputation estimates               Imputations     =           5
Survey: Cox regression                      Number of obs   =       2,325
```

```
Number of strata   =         52         Population size  =  7,484,218
Number of PSUs     =        104         Subpop. no. obs  =      2,247
                                        Subpop. size     =  7,481,523
                                        Average RVI      =     0.0039
                                        Largest FMI      =     0.0552
                                        Complete DF      =         52
DF adjustment:    Small sample          DF:    min       =      46.14
                                               avg       =      49.92
                                               max       =      50.11
Model F test:     Equal FMI             F(  24,   50.1)  =      83.77
Within VCE type:  Linearized            Prob > F         =     0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnlasso_odds	.1748999	.0190003	9.21	0.000	.1367388	.2130611
AGE2006	.0806375	.0053027	15.21	0.000	.0699871	.0912879
SEX	-.3330688	.0536425	-6.21	0.000	-.4408086	-.2253289
NonWhite	-.113535	.09867	-1.15	0.255	-.3117128	.0846428
education						
2	-.3927186	.2313206	-1.70	0.096	-.8573177	.0718804
3	.004616	.0934337	0.05	0.961	-.1830415	.1922734
4	-.0676972	.1181329	-0.57	0.569	-.3049617	.1695673
5	.0018686	.1132355	0.02	0.987	-.2255598	.229297
totwealth_2006						
2	-.05169	.0629472	-0.82	0.415	-.1781181	.0747382
3	.036696	.1663758	0.22	0.826	-.2974647	.3708568
4	-.6055395	.5297266	-1.14	0.258	-1.669542	.4584632
5	-1.739834	1.180633	-1.47	0.147	-4.111083	.6314149
marital_2006						
2	-.0016249	.2001916	-0.01	0.994	-.4037005	.4004506
3	.1566157	.2460395	0.64	0.527	-.3375454	.6507767
4	.1458776	.2135767	0.68	0.498	-.2830814	.5748367
work_st_2006	-.0390041	.08443	-0.46	0.646	-.2085783	.1305701
smoking_2006						
2	.3157511	.0599664	5.27	0.000	.19531	.4361923
3	.6013795	.0916788	6.56	0.000	.4168545	.7859045
physic_act_2006	-.2125198	.0377469	-5.63	0.000	-.2883337	-.1367059
2.srh_2006	.336279	.075217	4.47	0.000	.1852032	.4873548
bmibr_2006						
2	-.1701084	.0710304	-2.39	0.020	-.3127711	-.0274457
3	-.1318815	.0914703	-1.44	0.156	-.3155959	.0518329
cardiometcondbr_2006	.2778985	.0403286	6.89	0.000	.1969002	.3588968
cesd_2006	-.0124483	.0251714	-0.49	0.623	-.0630052	.0381087

```
44 .
45 .
46 . foreach x of varlist  hurd_dem expert_dem lasso_dem {
    2. mi estimate: svy, subpop(sample_final): stcox `x' AGE2006 SEX NonWhite i.education  i.totwealth_2006 i.marit
> 06 cesd_2006 if poorsleepalt_2006tert==1
    3.
47 . }
```

Multiple-imputation estimates   Imputations   =   5
Survey: Cox regression   Number of obs   =   2,325

Number of strata =   52   Population size   =   7,484,218
Number of PSUs   =   104   Subpop. no. obs   =   2,247
                                               Subpop. size   =   7,481,523
                                               Average RVI   =   0.0026
                                               Largest FMI   =   0.0357
                                               Complete DF   =   52
DF adjustment: **Small sample**   DF: min   =   47.85
                                                       avg   =   49.99
                                                       max   =   50.11
Model F test: **Equal FMI**   F(24,   50.1)   =   77.13
Within VCE type: **Linearized**   Prob > F   =   0.0000

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
hurd_dem	.5672305	.0917055	6.19	0.000	.3830429	.751418
AGE2006	.0925069	.0051724	17.88	0.000	.0821183	.1028956
SEX	-.3215443	.0574081	-5.60	0.000	-.4368474	-.2062411
NonWhite	-.0632537	.0969488	-0.65	0.517	-.2579749	.1314676
education						
2	-.4479292	.2249767	-1.99	0.052	-.8997865	.0039281
3	-.0756061	.0929063	-0.81	0.420	-.262204	.1109918
4	-.1680065	.1155114	-1.45	0.152	-.4000062	.0639933
5	-.1308673	.1122798	-1.17	0.249	-.3563762	.0946416
totwealth_2006						
2	-.0889981	.0632907	-1.41	0.166	-.2161155	.0381194
3	.019596	.1740177	0.11	0.911	-.3299126	.3691045
4	-.5388557	.5375232	-1.00	0.321	-1.618466	.5407542
5	-1.640446	1.116382	-1.47	0.148	-3.882647	.6017555
marital_2006						
2	.0168933	.1995482	0.08	0.933	-.38389	.4176766
3	.1540355	.2462762	0.63	0.535	-.3406003	.6486714
4	.1319189	.2106805	0.63	0.534	-.2912233	.5550611
work_st_2006	-.1099296	.0913902	-1.20	0.235	-.2934829	.0736236
smoking_2006						
2	.3037166	.0570328	5.33	0.000	.1891654	.4182677
3	.5729822	.1041309	5.50	0.000	.3635958	.7823686
physic_act_2006	-.2416893	.0386102	-6.26	0.000	-.3192372	-.1641414
2.srh_2006	.3093096	.0726977	4.25	0.000	.1632945	.4553247
bmibr_2006						
2	-.2266677	.0708007	-3.20	0.002	-.3688689	-.0844666
3	-.2358325	.0897443	-2.63	0.011	-.4160806	-.0555845
cardiometcondbr_2006	.304237	.0396605	7.67	0.000	.2245803	.3838938
cesd_2006	-.0080647	.0249419	-0.32	0.748	-.0581602	.0420307

_____|_____

```
Multiple-imputation estimates              Imputations       =           5
Survey: Cox regression                     Number of obs     =       2,325

Number of strata  =         52            Population size   =   7,484,218
Number of PSUs    =        104            Subpop. no. obs   =       2,247
                                          Subpop. size      =   7,481,523
                                          Average RVI       =      0.0027
                                          Largest FMI       =      0.0328
                                          Complete DF       =          52
DF adjustment:    Small sample            DF:      min       =       48.08
                                                   avg       =       50.00
                                                   max       =       50.11
Model F test:     Equal FMI               F(  24,    50.1)  =       79.12
Within VCE type:  Linearized              Prob > F          =      0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
expert_dem	.655368	.0735419	8.91	0.000	.5076591	.803077
AGE2006	.094284	.0048497	19.44	0.000	.0845434	.1040246
SEX	-.3372493	.054131	-6.23	0.000	-.44597	-.2285285
NonWhite	-.046189	.1008416	-0.46	0.649	-.2487268	.1563487
education						
2	-.4122951	.2272343	-1.81	0.076	-.8686869	.0440966
3	-.037609	.0934199	-0.40	0.689	-.2252389	.1500208
4	-.1490481	.1188155	-1.25	0.215	-.3876836	.0895873
5	-.0983767	.1104532	-0.89	0.377	-.3202167	.1234634
totwealth_2006						
2	-.0945526	.063947	-1.48	0.146	-.222988	.0338828
3	.0000466	.1753203	0.00	1.000	-.3520779	.3521711
4	-.6671015	.4905887	-1.36	0.180	-1.652513	.3183102
5	-1.634133	1.113477	-1.47	0.148	-3.870498	.6022321
marital_2006						
2	.0064036	.1999652	0.03	0.975	-.3952171	.4080243
3	.1302951	.2425862	0.54	0.594	-.3569293	.6175195
4	.1252458	.2103167	0.60	0.554	-.2971656	.5476572
work_st_2006	-.0956184	.0905875	-1.06	0.296	-.2775596	.0863228
smoking_2006						
2	.3219823	.0585432	5.50	0.000	.2043975	.4395672
3	.5838073	.1012841	5.76	0.000	.3801705	.7874441
physic_act_2006	-.2313127	.0384203	-6.02	0.000	-.3084791	-.1541462
2.srh_2006	.3200344	.0735707	4.35	0.000	.1722662	.4678026
bmibr_2006						
2	-.226263	.0719856	-3.14	0.003	-.370844	-.081682
3	-.2083613	.0868014	-2.40	0.020	-.3826987	-.0340239
cardiometcondbr_2006	.2946114	.0424843	6.93	0.000	.2092833	.3799396
cesd_2006	-.0056677	.0245923	-0.23	0.819	-.0550608	.0437254

```
Multiple-imputation estimates              Imputations       =           5
Survey: Cox regression                     Number of obs     =       2,325
```

```
Number of strata    =          52          Population size   =   7,484,218
Number of PSUs      =         104          Subpop. no. obs   =       2,247
                                           Subpop. size      =   7,481,523
                                           Average RVI       =      0.0025
                                           Largest FMI       =      0.0341
                                           Complete DF       =          52
DF adjustment:   Small sample              DF:    min        =       47.98
                                                  avg        =       50.00
                                                  max        =       50.11
Model F test:    Equal FMI                 F(  24,   50.1)   =       69.35
Within VCE type: Linearized                Prob > F          =      0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lasso_dem	.5736786	.0876333	6.55	0.000	.3976694	.7496877
AGE2006	.0924816	.0050654	18.26	0.000	.0823078	.1026554
SEX	-.3434518	.0544942	-6.30	0.000	-.452902	-.2340016
NonWhite	-.0813562	.1013964	-0.80	0.426	-.2850089	.1222965
education						
2	-.4234508	.2256022	-1.88	0.066	-.8765644	.0296629
3	-.0385159	.093123	-0.41	0.681	-.2255493	.1485174
4	-.1498216	.1177132	-1.27	0.209	-.3862435	.0866003
5	-.1063527	.1103533	-0.96	0.340	-.3279922	.1152868
totwealth_2006						
2	-.1114596	.0622014	-1.79	0.079	-.2363892	.0134699
3	-.0045174	.1763717	-0.03	0.980	-.3587535	.3497187
4	-.6706006	.4960291	-1.35	0.182	-1.666916	.3257146
5	-1.634834	1.1107	-1.47	0.147	-3.865622	.5959539
marital_2006						
2	.0226751	.1993081	0.11	0.910	-.3776258	.4229761
3	.1346862	.244757	0.55	0.585	-.3568981	.6262705
4	.1206125	.2117834	0.57	0.572	-.3047446	.5459695
work_st_2006	-.1020203	.0904002	-1.13	0.264	-.2835852	.0795447
smoking_2006						
2	.3022883	.060261	5.02	0.000	.1812539	.4233226
3	.5614368	.1021157	5.50	0.000	.3561167	.7667568
physic_act_2006	-.2333287	.0372376	-6.27	0.000	-.3081199	-.1585376
2.srh_2006	.3358935	.0732295	4.59	0.000	.1888107	.4829763
bmibr_2006						
2	-.2260467	.0742652	-3.04	0.004	-.3752059	-.0768875
3	-.2127969	.0897385	-2.37	0.022	-.3930335	-.0325603
cardiometcondbr_2006	.3059447	.0401019	7.63	0.000	.2254014	.3864879
cesd_2006	-.0100167	.0244698	-0.41	0.684	-.0591638	.0391303

```
48 .
49 .
50 .
51 . ************************SECOND POOR SLEEP QUALITY TERTILE****************************************
52 .
53 . ***MODEL 1****
54 . foreach x of varlist  lnhurd_odds lnexpert_odds lnlasso_odds {
   2. mi estimate: svy, subpop(sample_final): stcox `x' AGE2006 SEX NonWhite if poorsleepalt_2006tert==2
   3.
55 . }
```

```
Multiple-imputation estimates                    Imputations       =          5
Survey: Cox regression                           Number of obs     =      2,412

Number of strata  =          52                  Population size    =  7,942,171
Number of PSUs    =         104                  Subpop. no. obs    =      2,333
                                                 Subpop. size       =  7,934,728
                                                 Average RVI        =     0.0000
                                                 Largest FMI        =     0.0000
                                                 Complete DF        =         52
DF adjustment:    Small sample                   DF:      min       =      50.11
                                                          avg       =      50.11
                                                          max       =      50.11
Model F test:     Equal FMI                      F(   4,    50.1)   =     141.98
Within VCE type:  Linearized                     Prob > F           =     0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnhurd_odds	.0830535	.0181262	4.58	0.000	.0466479	.1194592
AGE2006	.0869651	.0062907	13.82	0.000	.0743305	.0995997
SEX	-.4138896	.0554452	-7.46	0.000	-.5252485	-.3025306
NonWhite	-.0075554	.0809191	-0.09	0.926	-.1700774	.1549666

```
Multiple-imputation estimates                    Imputations       =          5
Survey: Cox regression                           Number of obs     =      2,412

Number of strata  =          52                  Population size    =  7,942,171
Number of PSUs    =         104                  Subpop. no. obs    =      2,333
                                                 Subpop. size       =  7,934,728
                                                 Average RVI        =     0.0000
                                                 Largest FMI        =     0.0000
                                                 Complete DF        =         52
DF adjustment:    Small sample                   DF:      min       =      50.11
                                                          avg       =      50.11
                                                          max       =      50.11
Model F test:     Equal FMI                      F(   4,    50.1)   =     158.08
Within VCE type:  Linearized                     Prob > F           =     0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnexpert_odds	.1443712	.0127257	11.34	0.000	.1188122	.1699302
AGE2006	.0743777	.0056915	13.07	0.000	.0629467	.0858088
SEX	-.4013717	.0514711	-7.80	0.000	-.5047488	-.2979946
NonWhite	-.09306	.0801833	-1.16	0.251	-.2541041	.0679842

```
Multiple-imputation estimates                    Imputations       =          5
Survey: Cox regression                           Number of obs     =      2,412
```

```
Number of strata  =        52            Population size   =  7,942,171
Number of PSUs    =       104            Subpop. no. obs   =      2,333
                                         Subpop. size      =  7,934,728
                                         Average RVI       =     0.0000
                                         Largest FMI       =     0.0000
                                         Complete DF       =         52
DF adjustment:    Small sample           DF:     min       =      50.11
                                                 avg       =      50.11
                                                 max       =      50.11
Model F test:     Equal FMI              F(   4,   50.1)   =     152.46
Within VCE type:  Linearized             Prob > F          =     0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnlasso_odds	.1833431	.0174073	10.53	0.000	.1483814	.2183047
AGE2006	.0787069	.0054582	14.42	0.000	.0677444	.0896694
SEX	-.4615917	.0519017	-8.89	0.000	-.5658336	-.3573497
NonWhite	-.0772871	.0750096	-1.03	0.308	-.2279402	.073366

```
56 .
57 .
58 . foreach x of varlist  hurd_dem expert_dem lasso_dem {
   2. mi estimate: svy, subpop(sample_final): stcox `x' AGE2006 SEX NonWhite if poorsleepalt_2006tert==2
   3.
59 . }
```

```
Multiple-imputation estimates            Imputations       =          5
Survey: Cox regression                   Number of obs     =      2,412

Number of strata  =        52            Population size   =  7,942,171
Number of PSUs    =       104            Subpop. no. obs   =      2,333
                                         Subpop. size      =  7,934,728
                                         Average RVI       =     0.0000
                                         Largest FMI       =     0.0000
                                         Complete DF       =         52
DF adjustment:    Small sample           DF:     min       =      50.11
                                                 avg       =      50.11
                                                 max       =      50.11
Model F test:     Equal FMI              F(   4,   50.1)   =     152.34
Within VCE type:  Linearized             Prob > F          =     0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
hurd_dem	.6608816	.076254	8.67	0.000	.5077292	.814034
AGE2006	.0933237	.0046671	20.00	0.000	.0839501	.1026973
SEX	-.4380522	.0535609	-8.18	0.000	-.5456267	-.3304777
NonWhite	.0382042	.0765598	0.50	0.620	-.1155624	.1919709

```
Multiple-imputation estimates            Imputations       =          5
Survey: Cox regression                   Number of obs     =      2,412
```

```
Number of strata    =         52        Population size    = 7,942,171
Number of PSUs      =        104        Subpop. no. obs    =     2,333
                                        Subpop. size       = 7,934,728
                                        Average RVI        =    0.0000
                                        Largest FMI        =    0.0000
                                        Complete DF        =        52
DF adjustment:   Small sample           DF:     min        =     50.11
                                                avg        =     50.11
                                                max        =     50.11
Model F test:       Equal FMI           F(   4,   50.1)    =    138.23
Within VCE type:   Linearized           Prob > F           =    0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
expert_dem	.7448277	.0882559	8.44	0.000	.56757	.9220853
AGE2006	.0947278	.0047979	19.74	0.000	.0850914	.1043642
SEX	-.4199007	.0543869	-7.72	0.000	-.529134	-.3106674
NonWhite	.015766	.0821608	0.19	0.849	-.1492501	.180782

```
Multiple-imputation estimates           Imputations        =         5
Survey: Cox regression                   Number of obs      =     2,412

Number of strata    =         52        Population size    = 7,942,171
Number of PSUs      =        104        Subpop. no. obs    =     2,333
                                        Subpop. size       = 7,934,728
                                        Average RVI        =    0.0000
                                        Largest FMI        =    0.0000
                                        Complete DF        =        52
DF adjustment:   Small sample           DF:     min        =     50.11
                                                avg        =     50.11
                                                max        =     50.11
Model F test:       Equal FMI           F(   4,   50.1)    =    128.08
Within VCE type:   Linearized           Prob > F           =    0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lasso_dem	.7548439	.0960142	7.86	0.000	.5620041	.9476836
AGE2006	.0923954	.0047824	19.32	0.000	.0827902	.1020006
SEX	-.4430667	.0538745	-8.22	0.000	-.5512711	-.3348624
NonWhite	-.0061598	.0791274	-0.08	0.938	-.1650833	.1527637

```
60 .
61 .
62 . ***MODEL 2****
63 . foreach x of varlist  lnhurd_odds lnexpert_odds lnlasso_odds {
   2. mi estimate: svy, subpop(sample_final): stcox `x' AGE2006 SEX NonWhite i.education  i.totwealth_2006 i.marit
 > 06 cesd_2006 if poorsleepalt_2006tert==2
   3.
```

64 . }

```
    Multiple-imputation estimates              Imputations       =             5
    Survey: Cox regression                     Number of obs     =         2,322

    Number of strata  =         52            Population size    =     7,664,041
    Number of PSUs    =        104            Subpop. no. obs    =         2,243
                                              Subpop. size       =     7,656,598
                                              Average RVI        =        5.8425
                                              Largest FMI        =        0.9900
                                              Complete DF        =            52
    DF adjustment:    Small sample            DF:      min       =          0.81
                                                       avg       =         48.04
                                                       max       =         50.11
    Model F test:     Equal FMI               F(  24,   11.8)    =         48.78
    Within VCE type:  Linearized              Prob > F           =        0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnhurd_odds	.0770405	.0156883	4.91	0.000	.045531	.10855
AGE2006	.0847045	.0077201	10.97	0.000	.0691991	.1002099
SEX	-.4959547	.0661388	-7.50	0.000	-.6287951	-.3631144
NonWhite	-.2515824	.0880657	-2.86	0.006	-.4284584	-.0747065
education						
2	-.0297737	.1028925	-0.29	0.773	-.2364285	.1768811
3	-.0260767	.0812114	-0.32	0.749	-.1891861	.1370327
4	-.0540354	.0928463	-0.58	0.563	-.2405133	.1324425
5	-.1419418	.0864613	-1.64	0.107	-.315596	.0317124
totwealth_2006						
2	-.0542523	.0669026	-0.81	0.421	-.1886235	.0801188
3	-.0096586	.1695144	-0.06	0.955	-.3501204	.3308032
4	-.1628946	.3605751	-0.45	0.653	-.8870921	.5613029
5	-34.69973	5.224771	-6.64	0.132	-149.85	80.4505
marital_2006						
2	-.2591601	.1559964	-1.66	0.103	-.5724714	.0541512
3	-.1633463	.1965304	-0.83	0.410	-.5580682	.2313756
4	-.1301819	.1530703	-0.85	0.399	-.4376167	.177253
work_st_2006	-.1279257	.0983325	-1.30	0.199	-.3254219	.0695705
smoking_2006						
2	.261255	.0760214	3.44	0.001	.1085664	.4139436
3	.9194118	.110524	8.32	0.000	.6974229	1.141401
physic_act_2006	-.1529952	.0386288	-3.96	0.000	-.2305821	-.0754084
2.srh_2006	.3456174	.075046	4.61	0.000	.19489	.4963448
bmibr_2006						
2	-.3042876	.0567357	-5.36	0.000	-.4182402	-.1903349
3	-.2637593	.0813293	-3.24	0.002	-.4271056	-.1004129
cardiometcondbr_2006	.4054495	.0507486	7.99	0.000	.3035232	.5073758
cesd_2006	.0249291	.0188992	1.32	0.193	-.0130291	.0628873

```
    Multiple-imputation estimates              Imputations       =             5
    Survey: Cox regression                     Number of obs     =         2,322
```

```
Number of strata   =          52         Population size  =  7,664,041
Number of PSUs     =         104         Subpop. no. obs  =      2,243
                                         Subpop. size     =  7,656,598
                                         Average RVI      =    12.9525
                                         Largest FMI      =     0.9951
                                         Complete DF      =         52
DF adjustment:  Small sample             DF:    min       =       0.49
                                                avg       =      48.03
                                                max       =      50.11
Model F test:   Equal FMI                F( 24,   3.4)    =      33.19
Within VCE type:  Linearized             Prob > F         =     0.0044
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnexpert_odds	.0778031	.0149374	5.21	0.000	.0478018	.1078044
AGE2006	.0851889	.0074731	11.40	0.000	.0701796	.1001983
SEX	-.4862475	.0659969	-7.37	0.000	-.6188035	-.3536915
NonWhite	-.2293082	.0887827	-2.58	0.013	-.4076243	-.0509921
education						
2	.0077527	.1044801	0.07	0.941	-.2020907	.2175961
3	-.0002663	.0792397	-0.00	0.997	-.1594158	.1588833
4	-.036368	.0926121	-0.39	0.696	-.2223754	.1496395
5	-.1309414	.0855642	-1.53	0.132	-.3027939	.040911
totwealth_2006						
2	-.0542812	.0681848	-0.80	0.430	-.1912277	.0826653
3	-.0093334	.1691301	-0.06	0.956	-.3490233	.3303565
4	-.1531674	.3744205	-0.41	0.684	-.9051727	.5988379
5	-38.03435	7.09579	-5.36	0.282	-1334.608	1258.539
marital_2006						
2	-.2278551	.1553242	-1.47	0.149	-.5398161	.084106
3	-.149458	.1964932	-0.76	0.450	-.5441051	.2451892
4	-.1287384	.1528507	-0.84	0.404	-.4357322	.1782555
work_st_2006	-.1366781	.0995909	-1.37	0.176	-.3367017	.0633455
smoking_2006						
2	.2660971	.0763114	3.49	0.001	.1128267	.4193674
3	.9304708	.1101321	8.45	0.000	.7092698	1.151672
physic_act_2006	-.1440441	.0387366	-3.72	0.001	-.2218479	-.0662404
2.srh_2006	.3532631	.0750472	4.71	0.000	.2025334	.5039928
bmibr_2006						
2	-.309009	.0562353	-5.49	0.000	-.4219569	-.1960611
3	-.2614518	.0824214	-3.17	0.003	-.4269916	-.0959121
cardiometcondbr_2006	.3887713	.0504283	7.71	0.000	.2874884	.4900542
cesd_2006	.0220223	.0199699	1.10	0.275	-.0180864	.062131

```
Multiple-imputation estimates            Imputations     =          5
Survey: Cox regression                   Number of obs   =      2,322
```

```
Number of strata   =        52           Population size   =  7,664,041
Number of PSUs     =       104           Subpop. no. obs   =      2,243
                                         Subpop. size      =  7,656,598
                                         Average RVI       =     1.5168
                                         Largest FMI       =     0.9364
                                         Complete DF       =         52
DF adjustment:   Small sample            DF:     min       =       2.44
                                                 avg       =      48.11
                                                 max       =      50.11
Model F test:    Equal FMI               F( 24,   33.9)    =     154.99
Within VCE type: Linearized              Prob > F          =     0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnlasso_odds	.1134384	.0215474	5.26	0.000	.0701612	.1567156
AGE2006	.0856466	.0073058	11.72	0.000	.0709731	.10032
SEX	-.523726	.0650711	-8.05	0.000	-.6544219	-.3930302
NonWhite	-.2286773	.0874119	-2.62	0.012	-.4042404	-.0531143
education						
2	.0191617	.1055645	0.18	0.857	-.1928596	.231183
3	.0241716	.0775865	0.31	0.757	-.1316575	.1800008
4	-.0039326	.0935719	-0.04	0.967	-.191868	.1840027
5	-.0996973	.0835133	-1.19	0.238	-.2674307	.068036
totwealth_2006						
2	-.0448831	.0669815	-0.67	0.506	-.1794129	.0896467
3	.0093924	.1704514	0.06	0.956	-.3329513	.3517362
4	-.1239575	.3585227	-0.35	0.731	-.8440328	.5961179
5	-32.69027	2.390995	-13.67	0.002	-41.38956	-23.99098
marital_2006						
2	-.2667799	.1543382	-1.73	0.090	-.5767607	.0432009
3	-.1664633	.1937399	-0.86	0.394	-.5555807	.2226542
4	-.1526245	.1529271	-1.00	0.323	-.4597718	.1545228
work_st_2006	-.1361459	.0989932	-1.38	0.175	-.334969	.0626773
smoking_2006						
2	.26933	.0757661	3.55	0.001	.1171548	.4215052
3	.915903	.1126909	8.13	0.000	.6895634	1.142243
physic_act_2006	-.1451241	.0386274	-3.76	0.000	-.2227082	-.0675399
2.srh_2006	.3595059	.0750097	4.79	0.000	.2088514	.5101604
bmibr_2006						
2	-.2875641	.0567377	-5.07	0.000	-.401521	-.1736072
3	-.2263009	.080733	-2.80	0.007	-.3884495	-.0641522
cardiometcondbr_2006	.3996404	.05053	7.91	0.000	.2981532	.5011276
cesd_2006	.0236478	.01929	1.23	0.226	-.0150955	.0623911

```
65 .
66 .
67 . foreach x of varlist  hurd_dem expert_dem lasso_dem {
    2. mi estimate: svy, subpop(sample_final): stcox `x' AGE2006 SEX NonWhite i.education  i.totwealth_2006 i.marit
  > 06 cesd_2006 if poorsleepalt_2006tert==2
    3.
68 . }
```

```
Multiple-imputation estimates                  Imputations       =            5
Survey: Cox regression                         Number of obs     =        2,322

Number of strata  =          52               Population size   =    7,664,041
Number of PSUs    =         104               Subpop. no. obs   =        2,243
                                              Subpop. size      =    7,656,598
                                              Average RVI       =      12.2449
                                              Largest FMI       =       0.9932
                                              Complete DF       =           52
DF adjustment:    Small sample                 DF:      min      =         0.62
                                                        avg      =        48.03
                                                        max      =        50.11
Model F test:        Equal FMI                 F(  24,    3.9)   =        55.41
Within VCE type:    Linearized                 Prob > F          =       0.0008
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
hurd_dem	.359216	.0941326	3.82	0.000	.1701551	.5482769
AGE2006	.0931747	.0065901	14.14	0.000	.0799387	.1064107
SEX	-.5345842	.0676936	-7.90	0.000	-.6705487	-.3986196
NonWhite	-.1867655	.0845026	-2.21	0.032	-.3564858	-.0170453
education						
2	-.0211966	.1088852	-0.19	0.846	-.2398875	.1974943
3	-.0252819	.0844947	-0.30	0.766	-.1949861	.1444224
4	-.0555542	.0962247	-0.58	0.566	-.2488173	.1377089
5	-.1778244	.0904078	-1.97	0.055	-.3594048	.0037561
totwealth_2006						
2	-.0541742	.0693759	-0.78	0.439	-.1935128	.0851644
3	-.0331994	.1693316	-0.20	0.845	-.3732939	.3068951
4	-.2209534	.3976994	-0.56	0.581	-1.019713	.5778064
5	-40.73772	6.172675	-6.60	0.194	-404.2847	322.8093
marital_2006						
2	-.2304638	.1466922	-1.57	0.122	-.5250879	.0641603
3	-.122849	.1867307	-0.66	0.514	-.4978889	.2521909
4	-.0991291	.1441055	-0.69	0.495	-.3885592	.1903009
work_st_2006	-.173472	.0961915	-1.80	0.077	-.366668	.019724
smoking_2006						
2	.2445941	.0766994	3.19	0.002	.0905441	.398644
3	.9270959	.1076936	8.61	0.000	.7107943	1.143397
physic_act_2006	-.1591713	.0403465	-3.95	0.000	-.2402083	-.0781342
2.srh_2006	.3578494	.0796195	4.49	0.000	.1979366	.5177623
bmibr_2006						
2	-.296762	.0580494	-5.11	0.000	-.4133541	-.1801698
3	-.2490624	.0794677	-3.13	0.003	-.4086697	-.0894551
cardiometcondbr_2006	.4202187	.0513888	8.18	0.000	.3170067	.5234307
cesd_2006	.0292703	.0185381	1.58	0.121	-.0079629	.0665034

_____|_____

Multiple-imputation estimates   Imputations   =   5
Survey: Cox regression   Number of obs   =   2,322

Number of strata =   52   Population size   =   7,664,041
Number of PSUs   =   104   Subpop. no. obs   =   2,243
                                             Subpop. size   =   7,656,598
                                             Average RVI   =   13.2782
                                             Largest FMI   =   0.9962
                                             Complete DF   =   52
DF adjustment: **Small sample**   DF: min   =   0.40
                                                       avg   =   48.02
                                                       max   =   50.11
Model F test: **Equal FMI**   F(24,   2.9)   =   21.72
Within VCE type: **Linearized**   Prob > F   =   0.0149

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
expert_dem	.3828909	.0966652	3.96	0.000	.1887427	.5770391
AGE2006	.0956329	.0064096	14.92	0.000	.0827593	.1085065
SEX	-.5115611	.064793	-7.90	0.000	-.6417003	-.3814219
NonWhite	-.1933457	.0865268	-2.23	0.030	-.3671313	-.0195601
education						
2	-.0422457	.1072427	-0.39	0.695	-.2576376	.1731463
3	-.0278143	.0795402	-0.35	0.728	-.1875676	.131939
4	-.0700497	.0935439	-0.75	0.457	-.2579286	.1178292
5	-.1774959	.0861538	-2.06	0.045	-.3505325	-.0044594
totwealth_2006						
2	-.0709641	.0680125	-1.04	0.302	-.2075645	.0656363
3	-.0450808	.1638727	-0.28	0.784	-.3742114	.2840499
4	-.233119	.4103979	-0.57	0.573	-1.057383	.5911452
5	-34.71093	7.843743	-4.43	0.363	-4784.556	4715.134
marital_2006						
2	-.2168822	.1502556	-1.44	0.155	-.5186633	.0848989
3	-.1232525	.189031	-0.65	0.517	-.5029124	.2564074
4	-.1114642	.1479817	-0.75	0.455	-.4086794	.185751
work_st_2006	-.1624806	.0965903	-1.68	0.099	-.3564777	.0315165
smoking_2006						
2	.2732404	.0769533	3.55	0.001	.1186804	.4278003
3	.9424584	.1089349	8.65	0.000	.7236631	1.161254
physic_act_2006	-.1504024	.0400365	-3.76	0.000	-.230817	-.0699878
2.srh_2006	.360944	.0776327	4.65	0.000	.2050214	.5168666
bmibr_2006						
2	-.3047079	.0553416	-5.51	0.000	-.4158616	-.1935542
3	-.25442	.0790481	-3.22	0.002	-.4131845	-.0956555
cardiometcondbr_2006	.400904	.0514193	7.80	0.000	.2976308	.5041773
cesd_2006	.0277815	.0196067	1.42	0.163	-.0115979	.0671609

Multiple-imputation estimates   Imputations   =   5
Survey: Cox regression   Number of obs   =   2,322

```
Number of strata   =          52          Population size   =   7,664,041
Number of PSUs     =         104          Subpop. no. obs   =       2,243
                                          Subpop. size      =   7,656,598
                                          Average RVI       =           .
                                          Largest FMI       =           .
                                          Complete DF       =          52
DF adjustment:    Small sample            DF:     min       =        0.00
                                                  avg       =           .
                                                  max       =           .
Model F test:       Equal FMI             F(  23,   50.1)   =       46.19
Within VCE type:    Linearized            Prob > F          =      0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lasso_dem	.4485837	.1046155	4.29	0.000	.2384684	.6586991
AGE2006	.0935356	.006604	14.16	0.000	.0802715	.1067996
SEX	-.5324948	.067302	-7.91	0.000	-.6676725	-.397317
NonWhite	-.2077389	.0867051	-2.40	0.020	-.3818826	-.0335952
education						
2	-.011569	.1117585	-0.10	0.918	-.2360306	.2128926
3	-.0061195	.0785832	-0.08	0.938	-.1639508	.1517118
4	-.0304754	.0934018	-0.33	0.746	-.2180688	.157118
5	-.1584919	.0894496	-1.77	0.082	-.3381478	.021164
totwealth_2006						
2	-.0529331	.0683815	-0.77	0.443	-.1902746	.0844084
3	-.030971	.1691367	-0.18	0.855	-.370674	.308732
4	-.2046341	.4045694	-0.51	0.615	-1.017192	.6079237
5	-35.13155	.	.	.	.	.
marital_2006						
2	-.2126681	.1541716	-1.38	0.174	-.5223143	.096978
3	-.0999431	.191911	-0.52	0.605	-.4853874	.2855012
4	-.0940359	.1504636	-0.62	0.535	-.3962357	.2081638
work_st_2006	-.1677054	.0951157	-1.76	0.084	-.3587408	.0233301
smoking_2006						
2	.248559	.0767739	3.24	0.002	.0943595	.4027586
3	.9119799	.1111533	8.20	0.000	.6887293	1.13523
physic_act_2006	-.1505484	.0407532	-3.69	0.001	-.2324021	-.0686947
2.srh_2006	.3859438	.0777248	4.97	0.000	.2298364	.5420512
bmibr_2006						
2	-.2887256	.0558485	-5.17	0.000	-.4008971	-.176554
3	-.2272313	.0782219	-2.90	0.005	-.3843364	-.0701261
cardiometcondbr_2006	.4068224	.0508142	8.01	0.000	.3047644	.5088804
cesd_2006	.0271991	.019283	1.41	0.165	-.0115301	.0659283

```
69 .
70 .
71 . ************************THIRD POOR SLEEP QUALITY TERTILE********************************
72 .
73 . ***MODEL 1****
74 . foreach x of varlist  lnhurd_odds lnexpert_odds lnlasso_odds {
  2. mi estimate: svy, subpop(sample_final): stcox `x' AGE2006 SEX NonWhite if poorsleepalt_2006tert==3
  3.
75 . }
```

Multiple-imputation estimates   Imputations   =   5
Survey: Cox regression   Number of obs   =   2,069

Number of strata =   52   Population size   =   6,880,424
Number of PSUs   =   104   Subpop. no. obs   =   1,993
                                                 Subpop. size   =   6,878,134
                                                 Average RVI   =   0.0000
                                                 Largest FMI   =   0.0000
                                                 Complete DF   =   52
DF adjustment: **Small sample**   DF: min   =   50.11
                                                         avg   =   50.11
                                                         max   =   50.11
Model F test: **Equal FMI**   F(4,   50.1)   =   82.55
Within VCE type: **Linearized**   Prob > F   =   0.0000

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnhurd_odds	.0962505	.0156842	6.14	0.000	.0647495	.1277515
AGE2006	.0721389	.0065155	11.07	0.000	.0590529	.0852249
SEX	-.3230532	.0499699	-6.46	0.000	-.4234153	-.2226912
NonWhite	-.2700185	.0660393	-4.09	0.000	-.4026551	-.1373819

Multiple-imputation estimates   Imputations   =   5
Survey: Cox regression   Number of obs   =   2,069

Number of strata =   52   Population size   =   6,880,424
Number of PSUs   =   104   Subpop. no. obs   =   1,993
                                                 Subpop. size   =   6,878,134
                                                 Average RVI   =   0.0000
                                                 Largest FMI   =   0.0000
                                                 Complete DF   =   52
DF adjustment: **Small sample**   DF: min   =   50.11
                                                         avg   =   50.11
                                                         max   =   50.11
Model F test: **Equal FMI**   F(4,   50.1)   =   88.70
Within VCE type: **Linearized**   Prob > F   =   0.0000

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnexpert_odds	.1477657	.0138629	10.66	0.000	.1199227	.1756087
AGE2006	.0606027	.0059703	10.15	0.000	.0486116	.0725938
SEX	-.3325261	.0508453	-6.54	0.000	-.4346464	-.2304059
NonWhite	-.3241332	.0694383	-4.67	0.000	-.4635967	-.1846698

Multiple-imputation estimates   Imputations   =   5
Survey: Cox regression   Number of obs   =   2,069

```
Number of strata  =        52          Population size  =  6,880,424
Number of PSUs    =       104          Subpop. no. obs  =      1,993
                                       Subpop. size     =  6,878,134
                                       Average RVI      =     0.0000
                                       Largest FMI      =     0.0000
                                       Complete DF      =         52
DF adjustment:    Small sample         DF:     min      =      50.11
                                               avg      =      50.11
                                               max      =      50.11
Model F test:     Equal FMI            F(  4,   50.1)   =      96.93
Within VCE type:  Linearized           Prob > F         =     0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnlasso_odds	.1909853	.0156255	12.22	0.000	.1596022	.2223685
AGE2006	.0653956	.0057702	11.33	0.000	.0538064	.0769847
SEX	-.364625	.0541333	-6.74	0.000	-.473349	-.2559011
NonWhite	-.271995	.064002	-4.25	0.000	-.4005398	-.1434502

```
76 .
77 .
78 . foreach x of varlist  hurd_dem expert_dem lasso_dem {
   2. mi estimate: svy, subpop(sample_final): stcox `x' AGE2006 SEX NonWhite if poorsleepalt_2006tert==3
   3.
79 . }
```

```
Multiple-imputation estimates          Imputations      =          5
Survey: Cox regression                 Number of obs    =      2,069

Number of strata  =        52          Population size  =  6,880,424
Number of PSUs    =       104          Subpop. no. obs  =      1,993
                                       Subpop. size     =  6,878,134
                                       Average RVI      =     0.0000
                                       Largest FMI      =     0.0000
                                       Complete DF      =         52
DF adjustment:    Small sample         DF:     min      =      50.11
                                               avg      =      50.11
                                               max      =      50.11
Model F test:     Equal FMI            F(  4,   50.1)   =      68.12
Within VCE type:  Linearized           Prob > F         =     0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
hurd_dem	.5727562	.0974971	5.87	0.000	.3769381	.7685743
AGE2006	.0812196	.0059621	13.62	0.000	.0692451	.0931941
SEX	-.3538392	.0497861	-7.11	0.000	-.4538321	-.2538463
NonWhite	-.1558624	.0700642	-2.22	0.031	-.2965828	-.015142

```
Multiple-imputation estimates          Imputations      =          5
Survey: Cox regression                 Number of obs    =      2,069
```

```
Number of strata   =        52          Population size   =  6,880,424
Number of PSUs     =       104          Subpop. no. obs   =      1,993
                                        Subpop. size      =  6,878,134
                                        Average RVI       =     0.0000
                                        Largest FMI       =     0.0000
                                        Complete DF       =         52
DF adjustment:   Small sample           DF:     min       =      50.11
                                                avg       =      50.11
                                                max       =      50.11
Model F test:       Equal FMI           F(   4,   50.1)   =      73.62
Within VCE type:   Linearized           Prob > F          =     0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
expert_dem	.616687	.0860571	7.17	0.000	.4438456	.7895284
AGE2006	.0802982	.0050802	15.81	0.000	.0700949	.0905015
SEX	-.3760598	.0487045	-7.72	0.000	-.4738805	-.2782391
NonWhite	-.1673242	.0650943	-2.57	0.013	-.2980629	-.0365855

```
Multiple-imputation estimates           Imputations       =          5
Survey: Cox regression                  Number of obs     =      2,069

Number of strata   =        52          Population size   =  6,880,424
Number of PSUs     =       104          Subpop. no. obs   =      1,993
                                        Subpop. size      =  6,878,134
                                        Average RVI       =     0.0000
                                        Largest FMI       =     0.0000
                                        Complete DF       =         52
DF adjustment:   Small sample           DF:     min       =      50.11
                                                avg       =      50.11
                                                max       =      50.11
Model F test:       Equal FMI           F(   4,   50.1)   =      80.34
Within VCE type:   Linearized           Prob > F          =     0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lasso_dem	.559502	.0791513	7.07	0.000	.4005305	.7184736
AGE2006	.0817325	.0054796	14.92	0.000	.070727	.092738
SEX	-.3839503	.0508807	-7.55	0.000	-.4861417	-.2817589
NonWhite	-.1518821	.0703099	-2.16	0.036	-.2930961	-.0106681

```
80 .
81 . ***MODEL 2****
82 . foreach x of varlist  lnhurd_odds lnexpert_odds lnlasso_odds {
   2. mi estimate: svy, subpop(sample_final): stcox `x' AGE2006 SEX NonWhite i.education  i.totwealth_2006 i.marit
 > 06 cesd_2006 if poorsleepalt_2006tert==3
   3.
```

83 . }

```
   Multiple-imputation estimates               Imputations     =          5
   Survey: Cox regression                      Number of obs   =      1,954

   Number of strata  =        52              Population size  =  6,500,140
   Number of PSUs    =       104              Subpop. no. obs  =      1,878
                                              Subpop. size     =  6,497,850
                                              Average RVI      =     0.0007
                                              Largest FMI      =     0.0057
                                              Complete DF      =         52
   DF adjustment:    Small sample             DF:     min      =      49.89
                                                      avg      =      50.09
                                                      max      =      50.11
   Model F test:     Equal FMI                F(  23,   50.1)  =      26.75
   Within VCE type:  Linearized               Prob > F         =     0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnhurd_odds	.0943006	.017954	5.25	0.000	.0582409	.1303603
AGE2006	.0671509	.008656	7.76	0.000	.0497657	.0845361
SEX	-.3310306	.0674497	-4.91	0.000	-.4665005	-.1955608
NonWhite	-.4065727	.0842236	-4.83	0.000	-.5757322	-.2374132
education						
2	-.1001632	.1293138	-0.77	0.442	-.3598837	.1595573
3	.0071282	.0626945	0.11	0.910	-.1187909	.1330473
4	.0081818	.0867568	0.09	0.925	-.1660652	.1824287
5	.0042044	.0833272	0.05	0.960	-.1631545	.1715633
totwealth_2006						
2	-.0640389	.0865949	-0.74	0.463	-.2379607	.1098828
3	.0442113	.1557312	0.28	0.778	-.2685674	.3569899
4	-.54281	.695593	-0.78	0.439	-1.940029	.8544086
marital_2006						
2	-.2377217	.2010891	-1.18	0.243	-.6415992	.1661559
3	-.1092267	.2202622	-0.50	0.622	-.5516124	.333159
4	-.2002162	.1895673	-1.06	0.296	-.5809529	.1805205
work_st_2006	-.0983234	.0924318	-1.06	0.293	-.2839693	.0873226
smoking_2006						
2	.3163821	.0596293	5.31	0.000	.1966183	.4361459
3	.6048056	.1331956	4.54	0.000	.3372848	.8723265
physic_act_2006	-.1363243	.0466547	-2.92	0.005	-.230028	-.0426206
2.srh_2006	.3280811	.0609541	5.38	0.000	.2056571	.4505052
bmibr_2006						
2	-.1423868	.0883889	-1.61	0.113	-.3199117	.0351381
3	.0215848	.0826542	0.26	0.795	-.1444221	.1875918
cardiometcondbr_2006	.2423467	.0782501	3.10	0.003	.0851851	.3995083
cesd_2006	-.0001533	.0192104	-0.01	0.994	-.0387364	.0384299

```
   Multiple-imputation estimates               Imputations     =          5
   Survey: Cox regression                      Number of obs   =      1,954
```

```
Number of strata   =        52          Population size   =  6,500,140
Number of PSUs     =       104          Subpop. no. obs   =      1,878
                                        Subpop. size      =  6,497,850
                                        Average RVI       =     0.0006
                                        Largest FMI       =     0.0057
                                        Complete DF       =         52
DF adjustment:   Small sample           DF:     min       =      49.89
                                                avg       =      50.09
                                                max       =      50.11
Model F test:    Equal FMI              F( 23,   50.1)    =      26.85
Within VCE type: Linearized             Prob > F          =     0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnexpert_odds	.0966937	.0158829	6.09	0.000	.0647936	.1285938
AGE2006	.0667925	.0083431	8.01	0.000	.0500358	.0835491
SEX	-.3338841	.0682923	-4.89	0.000	-.4710464	-.1967218
NonWhite	-.3949355	.0841657	-4.69	0.000	-.5639787	-.2258923
education						
2	-.0873793	.134688	-0.65	0.519	-.3578935	.183135
3	.027525	.0637495	0.43	0.668	-.100513	.155563
4	.0299897	.087557	0.34	0.733	-.1458644	.2058438
5	-.0052761	.0893984	-0.06	0.953	-.1848287	.1742765
totwealth_2006						
2	-.0638725	.0833361	-0.77	0.447	-.231249	.103504
3	.0953119	.1604415	0.59	0.555	-.2269273	.4175512
4	-.5090403	.6858648	-0.74	0.461	-1.886718	.8686377
marital_2006						
2	-.1927361	.1971418	-0.98	0.333	-.5886858	.2032136
3	-.0895466	.2185514	-0.41	0.684	-.5284964	.3494032
4	-.1677383	.1876895	-0.89	0.376	-.5447034	.2092269
work_st_2006	-.0910324	.0913457	-1.00	0.324	-.274497	.0924322
smoking_2006						
2	.3272933	.0607004	5.39	0.000	.2053781	.4492084
3	.5792486	.1375162	4.21	0.000	.3030503	.8554468
physic_act_2006	-.1224872	.0466519	-2.63	0.011	-.2161853	-.0287892
2.srh_2006	.3311441	.0601895	5.50	0.000	.2102556	.4520326
bmibr_2006						
2	-.1517782	.0877876	-1.73	0.090	-.3280954	.024539
3	.0061866	.0819656	0.08	0.940	-.1584372	.1708104
cardiometcondbr_2006	.2313657	.0787439	2.94	0.005	.0732122	.3895192
cesd_2006	-.0014289	.0192124	-0.07	0.941	-.0400162	.0371584

```
Multiple-imputation estimates           Imputations       =          5
Survey: Cox regression                  Number of obs     =      1,954
```

```
Number of strata   =          52        Population size  =  6,500,140
Number of PSUs     =         104        Subpop. no. obs  =      1,878
                                        Subpop. size     =  6,497,850
                                        Average RVI      =     0.0007
                                        Largest FMI      =     0.0061
                                        Complete DF      =         52
DF adjustment:   Small sample           DF:     min      =      49.86
                                                avg      =      50.09
                                                max      =      50.11
Model F test:    Equal FMI              F( 23,   50.1)   =      27.54
Within VCE type: Linearized             Prob > F         =     0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnlasso_odds	.1537191	.0228884	6.72	0.000	.1077488	.1996894
AGE2006	.0665126	.0080925	8.22	0.000	.0502592	.0827659
SEX	-.3768056	.0704442	-5.35	0.000	-.5182897	-.2353216
NonWhite	-.373039	.0816547	-4.57	0.000	-.5370391	-.2090389
education						
2	-.0610529	.1315443	-0.46	0.645	-.3252532	.2031475
3	.0550873	.0661545	0.83	0.409	-.077781	.1879556
4	.0746068	.0917074	0.81	0.420	-.1095831	.2587968
5	.0502767	.0898556	0.56	0.578	-.1301941	.2307475
totwealth_2006						
2	-.060403	.0832123	-0.73	0.471	-.2275309	.106725
3	.0671198	.1509126	0.44	0.658	-.2359809	.3702205
4	-.5458964	.6896843	-0.79	0.432	-1.931261	.8394683
marital_2006						
2	-.2389869	.2021206	-1.18	0.243	-.6449361	.1669624
3	-.1011321	.2190918	-0.46	0.646	-.5411672	.338903
4	-.2025294	.1886102	-1.07	0.288	-.5813437	.176285
work_st_2006	-.0869825	.0917506	-0.95	0.348	-.2712605	.0972954
smoking_2006						
2	.3255582	.0596784	5.46	0.000	.2056956	.4454208
3	.5770713	.1413582	4.08	0.000	.2931563	.8609864
physic_act_2006	-.123991	.0462643	-2.68	0.010	-.2169106	-.0310714
2.srh_2006	.3327551	.0596905	5.57	0.000	.2128688	.4526413
bmibr_2006						
2	-.1280805	.0877077	-1.46	0.150	-.3042373	.0480763
3	.0769784	.0841299	0.91	0.365	-.0919924	.2459492
cardiometcondbr_2006	.2388897	.0775303	3.08	0.003	.0831736	.3946057
cesd_2006	-.0023529	.0196141	-0.12	0.905	-.0417469	.0370411

```
84 .
85 .
86 . foreach x of varlist  hurd_dem expert_dem lasso_dem {
   2. mi estimate: svy, subpop(sample_final): stcox `x' AGE2006 SEX NonWhite i.education  i.totwealth_2006 i.marit
> 06 cesd_2006 if poorsleepalt_2006tert==3
   3.
87 . }
```

Multiple-imputation estimates   Imputations   =   5
Survey: Cox regression   Number of obs   =   1,954

Number of strata =   52   Population size   = 6,500,140
Number of PSUs   =   104   Subpop. no. obs   =   1,878
                                                 Subpop. size   = 6,497,850
                                                 Average RVI   =   0.0007
                                                 Largest FMI   =   0.0058
                                                 Complete DF   =   52
DF adjustment: **Small sample**   DF: min   =   49.88
                                                         avg   =   50.09
                                                         max   =   50.11
Model F test: **Equal FMI**   F(23,   50.1)   =   24.34
Within VCE type: **Linearized**   Prob > F   =   0.0000

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
hurd_dem	.2749782	.1123962	2.45	0.018	.0492359	.5007204
AGE2006	.080541	.0078621	10.24	0.000	.0647503	.0963316
SEX	-.3747051	.0653095	-5.74	0.000	-.5058763	-.2435338
NonWhite	-.3341738	.0871306	-3.84	0.000	-.5091718	-.1591759
education						
2	-.0823304	.1360214	-0.61	0.548	-.3555228	.190862
3	-.0063428	.058511	-0.11	0.914	-.1238596	.1111741
4	-.016448	.0838386	-0.20	0.845	-.1848338	.1519378
5	-.0885503	.0896808	-0.99	0.328	-.2686699	.0915693
totwealth_2006						
2	-.0991563	.0852425	-1.16	0.250	-.2703617	.072049
3	.0494369	.1642053	0.30	0.765	-.2803615	.3792353
4	-.5935474	.6851326	-0.87	0.390	-1.969756	.7826612
marital_2006						
2	-.2220382	.2046222	-1.09	0.283	-.6330119	.1889355
3	-.1015393	.2246762	-0.45	0.653	-.5527905	.3497118
4	-.1860944	.1909006	-0.97	0.334	-.5695089	.1973202
work_st_2006	-.1056023	.0971299	-1.09	0.282	-.3006838	.0894792
smoking_2006						
2	.3093533	.0575726	5.37	0.000	.1937205	.4249862
3	.5926074	.1261814	4.70	0.000	.3391735	.8460414
physic_act_2006	-.1455311	.0470789	-3.09	0.003	-.2400867	-.0509754
2.srh_2006	.364292	.0586177	6.21	0.000	.2465605	.4820235
bmibr_2006						
2	-.1480138	.0886344	-1.67	0.101	-.3260317	.0300042
3	-.0052728	.0815884	-0.06	0.949	-.1691392	.1585936
cardiometcondbr_2006	.2509244	.0802916	3.13	0.003	.0896624	.4121863
cesd_2006	.0042433	.0178473	0.24	0.813	-.0316023	.0400888

```
Multiple-imputation estimates              Imputations      =           5
Survey: Cox regression                     Number of obs    =       1,954

Number of strata  =        52             Population size   =   6,500,140
Number of PSUs    =       104             Subpop. no. obs   =       1,878
                                          Subpop. size      =   6,497,850
                                          Average RVI       =      0.0007
                                          Largest FMI       =      0.0058
                                          Complete DF       =          52
DF adjustment:    Small sample            DF:      min      =       49.88
                                                   avg      =       50.09
                                                   max      =       50.11
Model F test:     Equal FMI               F(  23,    50.1)  =       23.41
Within VCE type:  Linearized              Prob > F          =      0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
expert_dem	.3394329	.0955169	3.55	0.001	.1475919	.5312739
AGE2006	.0797341	.007076	11.27	0.000	.0655223	.093946
SEX	-.3843187	.066112	-5.81	0.000	-.5171016	-.2515357
NonWhite	-.3365413	.085392	-3.94	0.000	-.5080473	-.1650352
education						
2	-.0967196	.1453115	-0.67	0.509	-.3885706	.1951314
3	.0102737	.0613569	0.17	0.868	-.1129591	.1335065
4	.0115796	.0882972	0.13	0.896	-.1657611	.1889203
5	-.0660662	.092116	-0.72	0.477	-.2510768	.1189444
totwealth_2006						
2	-.1044764	.082897	-1.26	0.213	-.270971	.0620183
3	.054435	.1625946	0.33	0.739	-.2721284	.3809985
4	-.6157105	.6844206	-0.90	0.373	-1.990489	.7590679
marital_2006						
2	-.2131702	.203739	-1.05	0.300	-.6223701	.1960297
3	-.1046751	.2256712	-0.46	0.645	-.5579247	.3485745
4	-.1846557	.1912978	-0.97	0.339	-.568868	.1995565
work_st_2006	-.1054779	.0961928	-1.10	0.278	-.2986773	.0877214
smoking_2006						
2	.3086204	.0599282	5.15	0.000	.1882563	.4289844
3	.5937962	.1239904	4.79	0.000	.3447627	.8428297
physic_act_2006	-.1415985	.0462541	-3.06	0.004	-.2344977	-.0486994
2.srh_2006	.3597321	.0579375	6.21	0.000	.2433668	.4760975
bmibr_2006						
2	-.1479268	.0871391	-1.70	0.096	-.3229416	.027088
3	-.0004568	.081402	-0.01	0.996	-.1639487	.1630351
cardiometcondbr_2006	.2541136	.0795302	3.20	0.002	.094381	.4138461
cesd_2006	.0035497	.0183505	0.19	0.847	-.0333063	.0404058

```
Number of strata   =         52        Population size   =   6,500,140
Number of PSUs     =        104        Subpop. no. obs   =       1,878
                                       Subpop. size      =   6,497,850
                                       Average RVI       =      0.0006
                                       Largest FMI       =      0.0052
                                       Complete DF       =         52
DF adjustment:    Small sample         DF:      min      =      49.91
                                                avg      =      50.10
                                                max      =      50.11
Model F test:     Equal FMI            F( 23,   50.1)    =      24.89
Within VCE type:  Linearized           Prob > F          =      0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lasso_dem	.2385969	.0959239	2.49	0.016	.0459384	.4312555
AGE2006	.0813789	.0069938	11.64	0.000	.0673321	.0954257
SEX	-.3927057	.0647535	-6.06	0.000	-.5227602	-.2626511
NonWhite	-.3280132	.0845417	-3.88	0.000	-.4978114	-.1582149
education						
2	-.1049275	.1446765	-0.73	0.472	-.3955032	.1856482
3	-.0201339	.0625549	-0.32	0.749	-.1457727	.1055048
4	-.0159397	.0869306	-0.18	0.855	-.1905357	.1586563
5	-.0899216	.091111	-0.99	0.328	-.2729137	.0930706
totwealth_2006						
2	-.0970952	.0825919	-1.18	0.245	-.262977	.0687867
3	.0549003	.1622568	0.34	0.737	-.2709848	.3807854
4	-.6091952	.6840173	-0.89	0.377	-1.983143	.7647526
marital_2006						
2	-.2327914	.1983442	-1.17	0.246	-.631156	.1655731
3	-.1080705	.2152528	-0.50	0.618	-.5403951	.3242541
4	-.2043717	.1865855	-1.10	0.279	-.5791195	.1703761
work_st_2006	-.1065388	.0956141	-1.11	0.270	-.2985758	.0854982
smoking_2006						
2	.3049096	.0582598	5.23	0.000	.1878966	.4219226
3	.5583275	.1315102	4.25	0.000	.2941911	.8224638
physic_act_2006	-.1432703	.0457013	-3.13	0.003	-.2350592	-.0514814
2.srh_2006	.3599475	.0576878	6.24	0.000	.2440837	.4758114
bmibr_2006						
2	-.142313	.0869674	-1.64	0.108	-.3169829	.0323569
3	.0065623	.0807299	0.08	0.936	-.1555797	.1687043
cardiometcondbr_2006	.245837	.0797268	3.08	0.003	.0857096	.4059644
cesd_2006	.0085612	.0196545	0.44	0.665	-.030914	.0480365

```
88 .
89 . ******************************INTERACTION WITH POOR SLEEP QUALITY TERTILE********************************
90 .
91 .
92 . ***MODEL 1****
93 . foreach x of varlist  lnhurd_odds lnexpert_odds lnlasso_odds {
   2. mi estimate: svy, subpop(sample_final): stcox c.`x'##c.poorsleepalt_2006tert AGE2006 SEX NonWhite
   3.
94 . }
```

Multiple-imputation estimates   Imputations   =   5
Survey: Cox regression   Number of obs   =   6,951

Number of strata =   52   Population size   =   22,747,247
Number of PSUs   =   104   Subpop. no. obs   =   6,718
                                       Subpop. size   =   22,734,819
                                       Average RVI   =   0.0000
                                       Largest FMI   =   0.0000
                                       Complete DF   =   52
DF adjustment: **Small sample**   DF: min   =   50.11
                                               avg   =   50.11
                                               max   =   50.11
Model F test: **Equal FMI**   F(6,   50.1) =   316.01
Within VCE type: **Linearized**   Prob > F   =   0.0000

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnhurd_odds	.0927706	.0159944	5.80	0.000	.0606466	.1248947
poorsleepalt_2006tert	.0403807	.0346544	1.17	0.249	-.0292209	.1099823
c.lnhurd_odds#c.poorsleepalt_2006tert	-.0040989	.0078441	-0.52	0.604	-.0198534	.0116556
AGE2006	.0843584	.0035451	23.80	0.000	.0772383	.0914785
SEX	-.3523966	.0316799	-11.12	0.000	-.416024	-.2887691
NonWhite	-.0417625	.0496811	-0.84	0.405	-.1415445	.0580194

Multiple-imputation estimates   Imputations   =   5
Survey: Cox regression   Number of obs   =   6,951

Number of strata =   52   Population size   =   22,747,247
Number of PSUs   =   104   Subpop. no. obs   =   6,718
                                       Subpop. size   =   22,734,819
                                       Average RVI   =   0.0000
                                       Largest FMI   =   0.0000
                                       Complete DF   =   52
DF adjustment: **Small sample**   DF: min   =   50.11
                                               avg   =   50.11
                                               max   =   50.11
Model F test: **Equal FMI**   F(6,   50.1) =   320.45
Within VCE type: **Linearized**   Prob > F   =   0.0000

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnexpert_odds	.1832664	.0204161	8.98	0.000	.1422617	.2242711
poorsleepalt_2006tert	-.0168629	.0355099	-0.47	0.637	-.0881828	.0544569
c.lnexpert_odds#c.poorsleepalt_2006tert	-.0173249	.0086456	-2.00	0.051	-.0346891	.0000393
AGE2006	.0707654	.0034811	20.33	0.000	.0637738	.077757
SEX	-.3435535	.0315855	-10.88	0.000	-.4069915	-.2801155
NonWhite	-.1130728	.0471252	-2.40	0.020	-.2077215	-.0184241

```
Multiple-imputation estimates              Imputations       =            5
Survey: Cox regression                     Number of obs     =        6,951

Number of strata  =          52           Population size   =   22,747,247
Number of PSUs    =         104           Subpop. no. obs   =        6,718
                                          Subpop. size      =   22,734,819
                                          Average RVI       =       0.0000
                                          Largest FMI       =       0.0000
                                          Complete DF       =           52
DF adjustment:    Small sample            DF:     min       =        50.11
                                                  avg       =        50.11
                                                  max       =        50.11
Model F test:       Equal FMI             F(   6,    50.1) =       343.88
Within VCE type:    Linearized            Prob > F          =       0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnlasso_odds	.2338614	.0232706	10.05	0.000	.1871234	.2805993
poorsleepalt_2006tert	-.0067917	.0313336	-0.22	0.829	-.0697237	.0561402
c.lnlasso_odds#c.poorsleepalt_2006tert	-.0211783	.0096661	-2.19	0.033	-.0405923	-.0017644
AGE2006	.0752498	.0032259	23.33	0.000	.0687708	.0817289
SEX	-.3913698	.0322872	-12.12	0.000	-.4562172	-.3265225
NonWhite	-.091847	.0458833	-2.00	0.051	-.1840014	.0003073

```
95 .
96 .
97 . ***MODEL 1****
98 . foreach x of varlist  hurd_dem expert_dem lasso_dem {
   2. mi estimate: svy, subpop(sample_final): stcox c.`x'##c.poorsleepalt_2006tert AGE2006 SEX NonWhite
   3.
99 . }

  Multiple-imputation estimates              Imputations       =            5
  Survey: Cox regression                     Number of obs     =        6,951
```

Number of strata	=	52	Population size	=	22,747,247	
Number of PSUs	=	104	Subpop. no. obs	=	6,718	
			Subpop. size	=	22,734,819	
			Average RVI	=	0.0000	
			Largest FMI	=	0.0000	
			Complete DF	=	52	
DF adjustment:	**Small sample**		DF: min	=	50.11	
			avg	=	50.11	
			max	=	50.11	
Model F test:	**Equal FMI**		F(6, 50.1)	=	335.51	
Within VCE type:	**Linearized**		Prob > F	=	0.0000	

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
hurd_dem	**1.034984**	**.1262453**	**8.20**	**0.000**	**.7814269**	**1.288542**
poorsleepalt_2006tert	**.0906463**	**.0208736**	**4.34**	**0.000**	**.0487227**	**.1325698**
c.hurd_dem#c.poorsleepalt_2006tert	**-.1822831**	**.0603578**	**-3.02**	**0.004**	**-.3035087**	**-.0610575**
AGE2006	**.0904193**	**.0028001**	**32.29**	**0.000**	**.0847955**	**.0960431**
SEX	**-.368294**	**.0341824**	**-10.77**	**0.000**	**-.4369475**	**-.2996404**
NonWhite	**.0235871**	**.0470376**	**0.50**	**0.618**	**-.0708855**	**.1180598**

Multiple-imputation estimates   Imputations   =   5
Survey: Cox regression   Number of obs   =   6,951

Number of strata	=	52	Population size	=	22,747,247	
Number of PSUs	=	104	Subpop. no. obs	=	6,718	
			Subpop. size	=	22,734,819	
			Average RVI	=	0.0000	
			Largest FMI	=	0.0000	
			Complete DF	=	52	
DF adjustment:	**Small sample**		DF: min	=	50.11	
			avg	=	50.11	
			max	=	50.11	
Model F test:	**Equal FMI**		F(6, 50.1)	=	347.07	
Within VCE type:	**Linearized**		Prob > F	=	0.0000	

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
expert_dem	**1.092484**	**.1345919**	**8.12**	**0.000**	**.8221626**	**1.362805**
poorsleepalt_2006tert	**.0859953**	**.0214141**	**4.02**	**0.000**	**.042986**	**.1290045**
c.expert_dem#c.poorsleepalt_2006tert	**-.1820848**	**.0619859**	**-2.94**	**0.005**	**-.3065805**	**-.0575891**
AGE2006	**.0914203**	**.0027738**	**32.96**	**0.000**	**.0858493**	**.0969914**
SEX	**-.3785119**	**.0315382**	**-12.00**	**0.000**	**-.4418549**	**-.3151689**
NonWhite	**.0199343**	**.0504294**	**0.40**	**0.694**	**-.0813506**	**.1212192**

Multiple-imputation estimates   Imputations   =   5
Survey: Cox regression   Number of obs   =   6,951

```
Number of strata  =        52          Population size  =  22,747,247
Number of PSUs    =       104          Subpop. no. obs  =       6,718
                                       Subpop. size     =  22,734,819
                                       Average RVI      =      0.0000
                                       Largest FMI      =      0.0000
                                       Complete DF      =          52
DF adjustment:    Small sample         DF:     min      =       50.11
                                               avg      =       50.11
                                               max      =       50.11
Model F test:     Equal FMI            F(   6,   50.1)  =      341.95
Within VCE type:  Linearized           Prob > F         =      0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lasso_dem	.979729	.1291011	7.59	0.000	.7204358	1.239022
poorsleepalt_2006tert	.090745	.0221018	4.11	0.000	.0463548	.1351353
c.lasso_dem#c.poorsleepalt_2006tert	-.1509139	.0587525	-2.57	0.013	-.2689154	-.0329124
AGE2006	.0908825	.0028444	31.95	0.000	.0851697	.0965954
SEX	-.3821824	.0325458	-11.74	0.000	-.4475491	-.3168156
NonWhite	.0033458	.0500198	0.07	0.947	-.0971165	.1038081

```
100 .
101 . ***MODEL 2****
102 . foreach x of varlist  lnhurd_odds lnexpert_odds lnlasso_odds {
    2. mi estimate: svy, subpop(sample_final): stcox c.`x'##c.poorsleepalt_2006tert AGE2006 SEX NonWhite i.educatio
  > ibr_2006 cardiometcondbr_2006 cesd_2006
    3.
103 . }
```

```
Multiple-imputation estimates          Imputations      =           5
Survey: Cox regression                 Number of obs    =       6,601

Number of strata  =        52          Population size  =  21,648,399
Number of PSUs    =       104          Subpop. no. obs  =       6,368
                                       Subpop. size     =  21,635,971
                                       Average RVI      =      0.0014
                                       Largest FMI      =      0.0106
                                       Complete DF      =          52
DF adjustment:    Small sample         DF:     min      =       49.62
                                               avg      =       50.08
                                               max      =       50.11
Model F test:     Equal FMI            F(  26,   50.1)  =      116.12
Within VCE type:  Linearized           Prob > F         =      0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnhurd_odds	.1603433	.0228796	7.01	0.000	.1143906	.2062959
poorsleepalt_2006tert	-.1851487	.0441647	-4.19	0.000	-.2738517	-.0964458
c.lnhurd_odds#c.poorsleepalt_2006tert	-.0330923	.0093075	-3.56	0.001	-.0517861	-.0143986
AGE2006	.0772465	.0043738	17.66	0.000	.0684619	.0860311
SEX	-.3789587	.0353658	-10.72	0.000	-.4499899	-.3079274
NonWhite	-.2462216	.0564775	-4.36	0.000	-.3596561	-.132787
education						
2	-.1937423	.1071589	-1.81	0.077	-.408966	.0214814
3	-.0213422	.0472871	-0.45	0.654	-.1163161	.0736317

		Coefficient	Std. err.	t	P>|t|	[95% conf. interval]
	4	-.0495006	.0630101	-0.79	0.436	-.1760533	.0770521
	5	-.067605	.0566003	-1.19	0.238	-.1812842	.0460743
totwealth_2006							
	2	-.0517489	.0433439	-1.19	0.238	-.1388035	.0353058
	3	.042911	.0970677	0.44	0.660	-.1520448	.2378669
	4	-.3810274	.2999499	-1.27	0.210	-.9834973	.2214425
	5	-1.724374	1.12007	-1.54	0.130	-3.973979	.5252321
marital_2006							
	2	-.1890689	.1106843	-1.71	0.094	-.411373	.0332352
	3	-.0662455	.1385368	-0.48	0.635	-.3444902	.2119991
	4	-.0847245	.113074	-0.75	0.457	-.3118282	.1423793
work_st_2006		-.0772102	.0505762	-1.53	0.133	-.1787903	.0243698
smoking_2006							
	2	.2842779	.0420295	6.76	0.000	.1998628	.368693
	3	.6858169	.076874	8.92	0.000	.5313812	.8402526
physic_act_2006		-.1687417	.0253103	-6.67	0.000	-.2195767	-.1179066
2.srh_2006		.3375419	.04334	7.79	0.000	.2504944	.4245895
bmibr_2006							
	2	-.2173905	.0467126	-4.65	0.000	-.311211	-.1235701
	3	-.1397204	.0518935	-2.69	0.010	-.2439462	-.0354947
cardiometcondbr_2006		.2988791	.0345509	8.65	0.000	.2294853	.3682729
cesd_2006		.0082782	.0105894	0.78	0.438	-.0129905	.029547

```
Multiple-imputation estimates          Imputations     =          5
Survey: Cox regression                 Number of obs   =      6,601

Number of strata  =      52            Population size = 21,648,399
Number of PSUs    =     104            Subpop. no. obs =      6,368
                                       Subpop. size    = 21,635,971
                                       Average RVI     =     0.0016
                                       Largest FMI     =     0.0108
                                       Complete DF     =         52
DF adjustment:    Small sample         DF:    min      =      49.60
                                              avg      =      50.07
                                              max      =      50.11
Model F test:        Equal FMI         F( 26,    50.1) =     118.34
Within VCE type:    Linearized         Prob > F        =     0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]
lnexpert_odds	.1605153	.0204764	7.84	0.000	.1193894	.2016413
poorsleepalt_2006tert	-.1760337	.0435533	-4.04	0.000	-.2635087	-.0885588
c.lnexpert_odds#c.poorsleepalt_2006tert	-.0317881	.0091296	-3.48	0.001	-.0501245	-.0134517
AGE2006	.0769918	.0042364	18.17	0.000	.0684831	.0855004
SEX	-.3740821	.0362691	-10.31	0.000	-.4469278	-.3012365
NonWhite	-.2204117	.0556918	-3.96	0.000	-.3322682	-.1085551
education						
2	-.1474526	.0999967	-1.47	0.147	-.3482916	.0533863
3	.0065882	.0464478	0.14	0.888	-.0867002	.0998765
4	-.0343843	.0628658	-0.55	0.587	-.1606471	.0918786
5	-.0581531	.0577701	-1.01	0.319	-.1741818	.0578755

totwealth_2006						
2	-.0525661	.0429911	-1.22	0.227	-.138912	.0337799
3	.0426062	.0999145	0.43	0.672	-.1580675	.2432798
4	-.3870771	.2999508	-1.29	0.203	-.9895548	.2154006
5	-1.750818	1.138133	-1.54	0.130	-4.036703	.5350669
marital_2006						
2	-.1602393	.11036	-1.45	0.153	-.3818921	.0614134
3	-.0583495	.1358382	-0.43	0.669	-.3311741	.214475
4	-.0787057	.1124149	-0.70	0.487	-.3044857	.1470742
work_st_2006	-.0894495	.0512323	-1.75	0.087	-.1923472	.0134482
smoking_2006						
2	.2951874	.0425073	6.94	0.000	.2098132	.3805616
3	.6772886	.0772172	8.77	0.000	.5221625	.8324148
physic_act_2006	-.1594093	.0261216	-6.10	0.000	-.2118736	-.106945
2.srh_2006	.3379717	.0432042	7.82	0.000	.2511968	.4247466
bmibr_2006						
2	-.2195976	.0476875	-4.60	0.000	-.3153761	-.1238191
3	-.1392918	.0541182	-2.57	0.013	-.2479857	-.030598
cardiometcondbr_2006	.2817865	.0352803	7.99	0.000	.2109278	.3526452
cesd_2006	.0067213	.0104878	0.64	0.525	-.0143434	.0277859

```
Multiple-imputation estimates            Imputations     =          5
Survey: Cox regression                   Number of obs   =      6,601

Number of strata  =        52            Population size  =  21,648,399
Number of PSUs    =       104            Subpop. no. obs  =      6,368
                                         Subpop. size     =  21,635,971
                                         Average RVI      =     0.0016
                                         Largest FMI      =     0.0114
                                         Complete DF      =         52
DF adjustment:    Small sample           DF:    min        =      49.57
                                                avg        =      50.07
                                                max        =      50.11
Model F test:      Equal FMI             F( 26,   50.1)   =     120.09
Within VCE type:   Linearized            Prob > F         =     0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lnlasso_odds	.222281	.0267705	8.30	0.000	.1685136	.2760485
poorsleepalt_2006tert	-.1711284	.0427611	-4.00	0.000	-.2570126	-.0852443
c.lnlasso_odds#c.poorsleepalt_2006tert	-.0397061	.0115849	-3.43	0.001	-.0629739	-.0164384
AGE2006	.0776678	.0041614	18.66	0.000	.0693099	.0860258
SEX	-.4206354	.0353644	-11.89	0.000	-.4916638	-.3496071
NonWhite	-.2151502	.0551496	-3.90	0.000	-.3259182	-.1043823
education						
2	-.1224527	.1009781	-1.21	0.231	-.3252627	.0803572
3	.0340302	.0472183	0.72	0.474	-.0608055	.128866
4	.0061055	.0636308	0.10	0.924	-.121694	.133905
5	-.0159451	.05776	-0.28	0.784	-.1319534	.1000633
totwealth_2006						

2	-.0463518	.0428914	-1.08	0.285	-.1324976	.039794
3	.0492421	.0973097	0.51	0.615	-.1461998	.244684
4	-.3792555	.2964548	-1.28	0.207	-.9747164	.2162054
5	-1.793778	1.12361	-1.60	0.117	-4.050495	.4629386
marital_2006						
2	-.1825376	.1110397	-1.64	0.106	-.4055556	.0404803
3	-.0500833	.136874	-0.37	0.716	-.3249883	.2248217
4	-.0817854	.1135441	-0.72	0.475	-.3098332	.1462625
work_st_2006	-.0833782	.0501193	-1.66	0.102	-.1840406	.0172841
smoking_2006						
2	.2943241	.0422334	6.97	0.000	.2094998	.3791484
3	.6790333	.0785597	8.64	0.000	.5212074	.8368593
physic_act_2006	-.1571132	.0256179	-6.13	0.000	-.2085661	-.1056603
2.srh_2006	.3453659	.0435191	7.94	0.000	.2579585	.4327733
bmibr_2006						
2	-.1939499	.0480201	-4.04	0.000	-.2903965	-.0975034
3	-.0856319	.0535413	-1.60	0.116	-.1931671	.0219033
cardiometcondbr_2006	.290824	.0355368	8.18	0.000	.2194501	.3621979
cesd_2006	.0065808	.0103158	0.64	0.526	-.0141385	.0273001

```
104 .
105 .
106 .
107 . foreach x of varlist  hurd_dem expert_dem lasso_dem {
  2. mi estimate: svy, subpop(sample_final): stcox c.`x'##c.poorsleepalt_2006tert AGE2006 SEX NonWhite i.educatio
> ibr_2006 cardiometcondbr_2006 cesd_2006
  3.
108 . }
```

Multiple-imputation estimates   Imputations   =   5
Survey: Cox regression   Number of obs   =   6,601

Number of strata =   52   Population size   = 21,648,399
Number of PSUs   =   104   Subpop. no. obs   =   6,368
                                        Subpop. size   = 21,635,971
                                        Average RVI   =   0.0012
                                        Largest FMI   =   0.0091
                                        Complete DF   =   52
DF adjustment: **Small sample**   DF: min   =   49.70
                                                avg   =   50.08
                                                max   =   50.11
Model F test: **Equal FMI**   F(26,   50.1)   =   104.39
Within VCE type: **Linearized**   Prob > F   =   0.0000

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
hurd_dem	.8682207	.1437272	6.04	0.000	.5795501	1.156891
poorsleepalt_2006tert	-.0246731	.025177	-0.98	0.332	-.0752402	.0258941
c.hurd_dem#c.poorsleepalt_2006tert	-.2404348	.0739029	-3.25	0.002	-.3888657	-.0920039
AGE2006	.0885768	.0039943	22.18	0.000	.0805545	.0965992
SEX	-.4205746	.0373456	-11.26	0.000	-.4955824	-.3455667
NonWhite	-.1689839	.0570822	-2.96	0.005	-.2836329	-.0543349

education	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
2	-.1627846	.1059787	-1.54	0.131	-.3756379	.0500688
3	-.0286409	.0473246	-0.61	0.548	-.1236902	.0664083
4	-.0696345	.0627345	-1.11	0.272	-.1956338	.0563648
5	-.127125	.0576665	-2.20	0.032	-.2429456	-.0113044
totwealth_2006						
2	-.0737828	.0431282	-1.71	0.093	-.1604041	.0128385
3	.017952	.1007708	0.18	0.859	-.1844413	.2203454
4	-.4193331	.3153736	-1.33	0.190	-1.052766	.2141
5	-1.768423	1.071873	-1.65	0.105	-3.921228	.3843815
marital_2006						
2	-.1658664	.1092446	-1.52	0.135	-.3852789	.0535462
3	-.0384281	.1384319	-0.28	0.782	-.3164619	.2396057
4	-.069302	.1124935	-0.62	0.541	-.2952398	.1566357
work_st_2006	-.1301265	.052934	-2.46	0.017	-.236442	-.0238111
smoking_2006						
2	.2768294	.0411881	6.72	0.000	.1941046	.3595541
3	.6774276	.0762525	8.88	0.000	.5242468	.8306084
physic_act_2006	-.1785341	.0255052	-7.00	0.000	-.2297605	-.1273076
2.srh_2006	.3436816	.0438546	7.84	0.000	.2556005	.4317627
bmibr_2006						
2	-.2225607	.0475282	-4.68	0.000	-.3180193	-.1271021
3	-.1503597	.0522074	-2.88	0.006	-.255216	-.0455034
cardiometcondbr_2006	.3116126	.0339875	9.17	0.000	.2433502	.379875
cesd_2006	.0124948	.0102824	1.22	0.230	-.0081574	.0331469

```
Multiple-imputation estimates              Imputations      =            5
Survey: Cox regression                     Number of obs    =        6,601

Number of strata  =        52              Population size  =   21,648,399
Number of PSUs    =       104              Subpop. no. obs  =        6,368
                                           Subpop. size     =   21,635,971
                                           Average RVI      =       0.0014
                                           Largest FMI      =       0.0084
                                           Complete DF      =           52
DF adjustment:    Small sample             DF:      min     =        49.74
                                                    avg     =        50.08
                                                    max     =        50.11
Model F test:     Equal FMI                F( 26,   50.1)   =       133.92
Within VCE type:  Linearized              Prob > F          =       0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
expert_dem	.9609398	.1403765	6.85	0.000	.6789983	1.242881
poorsleepalt_2006tert	-.0229499	.0264528	-0.87	0.390	-.0760795	.0301798
c.expert_dem#c.poorsleepalt_2006tert	-.2534954	.0722138	-3.51	0.001	-.3985339	-.1084569
AGE2006	.0896799	.0039211	22.87	0.000	.0818046	.0975553
SEX	-.4181314	.0351897	-11.88	0.000	-.4888091	-.3474537
NonWhite	-.1683229	.0580616	-2.90	0.006	-.2849384	-.0517075
education						
2	-.1638772	.1037967	-1.58	0.121	-.3723481	.0445937

3	-.0131577	.0451735	-0.29	0.772	-.1038867	.0775714
4	-.0637479	.0616886	-1.03	0.306	-.1876464	.0601506
5	-.1094373	.0572807	-1.91	0.062	-.2244829	.0056083
totwealth_2006						
2	-.0829202	.0406448	-2.04	0.047	-.1645537	-.0012867
3	.005077	.1005608	0.05	0.960	-.1968946	.2070486
4	-.4749951	.3016099	-1.57	0.122	-1.080805	.1308151
5	-1.773731	1.072198	-1.65	0.104	-3.927189	.3797269
marital_2006						
2	-.1607678	.1108898	-1.45	0.153	-.3834847	.061949
3	-.0438535	.1373524	-0.32	0.751	-.3197192	.2320122
4	-.0747731	.113289	-0.66	0.512	-.3023087	.1527625
work_st_2006	-.1214818	.0524576	-2.32	0.025	-.2268405	-.0161232
smoking_2006						
2	.2945079	.0416644	7.07	0.000	.2108266	.3781891
3	.6877336	.0756365	9.09	0.000	.5357937	.8396736
physic_act_2006	-.170345	.0254171	-6.70	0.000	-.2213944	-.1192956
2.srh_2006	.3478205	.04316	8.06	0.000	.2611346	.4345064
bmibr_2006						
2	-.2249819	.0468177	-4.81	0.000	-.3190135	-.1309504
3	-.141038	.0509748	-2.77	0.008	-.2434185	-.0386574
cardiometcondbr_2006	.3000228	.0358359	8.37	0.000	.2280481	.3719975
cesd_2006	.0117419	.0108338	1.08	0.284	-.0100175	.0335013

```
Multiple-imputation estimates              Imputations      =           5
Survey: Cox regression                     Number of obs    =       6,601

Number of strata  =       52               Population size  =  21,648,399
Number of PSUs    =      104               Subpop. no. obs  =       6,368
                                           Subpop. size     =  21,635,971
                                           Average RVI      =      0.0011
                                           Largest FMI      =      0.0088
                                           Complete DF      =          52
DF adjustment:   Small sample              DF:      min     =       49.71
                                                    avg     =       50.08
                                                    max     =       50.11
Model F test:        Equal FMI             F(  26,   50.1)  =      126.75
Within VCE type:    Linearized             Prob > F         =      0.0000
```

_t	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
lasso_dem	.9526648	.1483765	6.42	0.000	.6546567	1.250673
poorsleepalt_2006tert	-.016851	.0252271	-0.67	0.507	-.0675188	.0338168
c.lasso_dem#c.poorsleepalt_2006tert	-.2735553	.0782344	-3.50	0.001	-.4306854	-.1164251
AGE2006	.0888886	.0038612	23.02	0.000	.0811335	.0966438
SEX	-.4315382	.0353569	-12.21	0.000	-.5025517	-.3605247
NonWhite	-.1828116	.0572173	-3.20	0.002	-.2977314	-.0678917
education						
2	-.1560042	.1041398	-1.50	0.140	-.3651641	.0531557
3	-.013633	.0475016	-0.29	0.775	-.1090378	.0817718
4	-.0574998	.0622929	-0.92	0.360	-.182612	.0676124

5	-.1133411	.0559605	-2.03	0.048	-.2257352	-.0009469
totwealth_2006						
2	-.0840514	.0426591	-1.97	0.054	-.1697304	.0016277
3	.007387	.102015	0.07	0.943	-.1975052	.2122792
4	-.4738459	.3005064	-1.58	0.121	-1.077434	.1297424
5	-1.762843	1.070582	-1.65	0.106	-3.913055	.3873689
marital_2006						
2	-.157296	.1096163	-1.43	0.158	-.3774551	.0628632
3	-.0355215	.1354639	-0.26	0.794	-.3075943	.2365513
4	-.0739549	.1121622	-0.66	0.513	-.2992273	.1513176
work_st_2006	-.1246546	.0528118	-2.36	0.022	-.2307247	-.0185845
smoking_2006						
2	.2788175	.0413595	6.74	0.000	.1957487	.3618864
3	.6604458	.0760066	8.69	0.000	.5077604	.8131313
physic_act_2006	-.1729283	.0247923	-6.98	0.000	-.2227228	-.1231337
2.srh_2006	.3602942	.0437563	8.23	0.000	.2724107	.4481777
bmibr_2006						
2	-.2190244	.0464352	-4.72	0.000	-.3122875	-.1257612
3	-.1344523	.0505538	-2.66	0.010	-.2359874	-.0329172
cardiometcondbr_2006	.3056056	.0343348	8.90	0.000	.2366458	.3745654
cesd_2006	.0125026	.0108235	1.16	0.254	-.0092361	.0342414

109 .
110 . capture log close