```
 1 .
 2 .
 3 . **STEP 17: TABLE 3: MED4WAY FOR POOR SLEEP AS EXPOSURE, DIFFERENT PROBABILITIES OF DEMENTIA AS MEDIATORS, AND A
 4 .
 5 . **COVARIATES: NonWhite AGE2006 SEX  i.education  i.totwealth_2006 marital_2006 work_st_2006 i.smoking_2006 phys
 6 .
 7 . use finaldata_imputed_FINAL,clear

 8 .
 9 .
10 .
11 . capture drop lnhurd_odds

12 . mi passive: gen lnhurd_odds=ln((hurd_p)/(1-hurd_p))
   m=0:
   (35,952 missing values generated)
   m=1:
   (35,952 missing values generated)
   m=2:
   (35,952 missing values generated)
   m=3:
   (35,952 missing values generated)
   m=4:
   (35,952 missing values generated)
   m=5:
   (35,952 missing values generated)

13 .
14 . capture drop lnexpert_odds

15 . mi passive: gen lnexpert_odds=ln((expert_p)/(1-expert_p))
   m=0:
   (35,850 missing values generated)
   m=1:
   (35,850 missing values generated)
   m=2:
   (35,850 missing values generated)
   m=3:
   (35,850 missing values generated)
   m=4:
   (35,850 missing values generated)
   m=5:
   (35,850 missing values generated)

16 .
17 .
18 . capture drop lnlasso_odds

19 . mi passive: gen lnlasso_odds=ln((lasso_p)/(1-lasso_p))
   m=0:
   (36,394 missing values generated)
   m=1:
   (36,394 missing values generated)
   m=2:
   (36,394 missing values generated)
   m=3:
   (36,394 missing values generated)
   m=4:
   (36,394 missing values generated)
   m=5:
   (36,394 missing values generated)
```

```
20 .
21 .
22 . capture drop Men

23 . mi passive: gen Men=1 if SEX==1 & sample_final==1
   m=0:
   (40,630 missing values generated)
   m=1:
   (40,630 missing values generated)
   m=2:
   (40,630 missing values generated)
   m=3:
   (40,630 missing values generated)
   m=4:
   (40,630 missing values generated)
   m=5:
   (40,630 missing values generated)

24 . mi passive: replace Men=0 if Men~=1 & SEX~=. & sample_final==1
   m=0:
   (4,060 real changes made)
   m=1:
   (4,060 real changes made)
   m=2:
   (4,060 real changes made)
   m=3:
   (4,060 real changes made)
   m=4:
   (4,060 real changes made)
   m=5:
   (4,060 real changes made)

25 .
26 . capture drop Women

27 . mi passive: gen Women=1 if SEX==2 & sample_final==1
   m=0:
   (39,501 missing values generated)
   m=1:
   (39,501 missing values generated)
   m=2:
   (39,501 missing values generated)
   m=3:
   (39,501 missing values generated)
   m=4:
   (39,501 missing values generated)
   m=5:
   (39,501 missing values generated)

28 . mi passive: replace Women=0 if Women~=1 & SEX~=. & sample_final==1
   m=0:
   (2,931 real changes made)
   m=1:
   (2,931 real changes made)
   m=2:
   (2,931 real changes made)
   m=3:
   (2,931 real changes made)
   m=4:
   (2,931 real changes made)
   m=5:
   (2,931 real changes made)
```

```
29 .
30 . capture drop NHW

31 . mi passive: gen NHW=1 if RACE_ETHN==1 & sample_final==1
   m=0:
   (37,895 missing values generated)
   m=1:
   (37,895 missing values generated)
   m=2:
   (37,895 missing values generated)
   m=3:
   (37,895 missing values generated)
   m=4:
   (37,895 missing values generated)
   m=5:
   (37,895 missing values generated)

32 . mi passive: replace NHW=0 if NHW~=1 & RACE_ETHN~=. & sample_final==1
   m=0:
   (1,325 real changes made)
   m=1:
   (1,325 real changes made)
   m=2:
   (1,325 real changes made)
   m=3:
   (1,325 real changes made)
   m=4:
   (1,325 real changes made)
   m=5:
   (1,325 real changes made)

33 .
34 . capture drop NHB

35 . mi passive: gen NHB=1 if RACE_ETHN==2 & sample_final==1
   m=0:
   (42,705 missing values generated)
   m=1:
   (42,705 missing values generated)
   m=2:
   (42,705 missing values generated)
   m=3:
   (42,705 missing values generated)
   m=4:
   (42,705 missing values generated)
   m=5:
   (42,705 missing values generated)

36 . mi passive: replace NHB=0 if NHB~=1 & RACE_ETHN~=. & sample_final==1
   m=0:
   (6,135 real changes made)
   m=1:
   (6,135 real changes made)
   m=2:
   (6,135 real changes made)
   m=3:
   (6,135 real changes made)
   m=4:
   (6,135 real changes made)
   m=5:
   (6,135 real changes made)
```

```
37 .
38 .
39 . capture drop HISP

40 . mi passive: gen HISP=1 if RACE_ETHN==3 & sample_final==1
   m=0:
   (43,092 missing values generated)
   m=1:
   (43,092 missing values generated)
   m=2:
   (43,092 missing values generated)
   m=3:
   (43,092 missing values generated)
   m=4:
   (43,092 missing values generated)
   m=5:
   (43,092 missing values generated)

41 . mi passive: replace HISP=0 if HISP~=1 & RACE_ETHN~=. & sample_final==1
   m=0:
   (6,522 real changes made)
   m=1:
   (6,522 real changes made)
   m=2:
   (6,522 real changes made)
   m=3:
   (6,522 real changes made)
   m=4:
   (6,522 real changes made)
   m=5:
   (6,522 real changes made)

42 .
43 .
44 . capture drop OTHER

45 . mi passive: gen OTHER=1 if RACE_ETHN==4 & sample_final==1
   m=0:
   (43,561 missing values generated)
   m=1:
   (43,561 missing values generated)
   m=2:
   (43,561 missing values generated)
   m=3:
   (43,561 missing values generated)
   m=4:
   (43,561 missing values generated)
   m=5:
   (43,561 missing values generated)

46 . mi passive: replace OTHER=0 if OTHER~=1 & RACE_ETHN~=. & sample_final==1
   m=0:
   (6,991 real changes made)
   m=1:
   (6,991 real changes made)
   m=2:
   (6,991 real changes made)
   m=3:
   (6,991 real changes made)
   m=4:
   (6,991 real changes made)
   m=5:
   (6,991 real changes made)
```

```
47 .
48 .
49 . capture drop NonWhite

50 . mi passive: gen NonWhite=0 if RACE_ETHN==1 & sample_final==1
   (passive variable NonWhite unregistered because not in m=0)
   m=0:
   (37,895 missing values generated)
   m=1:
   (37,895 missing values generated)
   m=2:
   (37,895 missing values generated)
   m=3:
   (37,895 missing values generated)
   m=4:
   (37,895 missing values generated)
   m=5:
   (37,895 missing values generated)

51 . mi passive: replace NonWhite=1 if RACE_ETHN!=1 & RACE_ETHN!=. & sample_final==1
   m=0:
   (1,325 real changes made)
   m=1:
   (1,325 real changes made)
   m=2:
   (1,325 real changes made)
   m=3:
   (1,325 real changes made)
   m=4:
   (1,325 real changes made)
   m=5:
   (1,325 real changes made)

52 .
53 . 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

54 .
55 . capture mi stset ageevent [pweight = kwgtr] if sample_final==1, failure(died==1) enter(AGE2006) origin(AGE2006)

56 .
57 . capture drop educationg* totalwealth_2006g* marital_2006g* smoking_2006g* physic_act_2006g* srh_2006g* bmibr_20

58 .
59 . tab education,generate(educationg)
```

education	Freq.	Percent	Cum.
1	64,385	25.42	25.42
2	12,398	4.89	30.32
3	71,253	28.13	58.45
4	56,752	22.41	80.85
5	48,493	19.15	100.00
Total	253,281	100.00	

```
60 .
61 . tab totwealth_2006, generate(totalwealth_2006g)
```

totwealth_2006	Freq.	Percent	Cum.
1	38,448	34.70	34.70
2	60,978	55.03	89.72
3	9,396	8.48	98.20
4	1,554	1.40	99.60
5	438	0.40	100.00
Total	110,814	100.00	

```
62 .
63 . tab marital_2006, generate(marital_2006g)
```

marital_2006	Freq.	Percent	Cum.
1	3,277	2.96	2.96
2	72,317	65.26	68.22
3	12,157	10.97	79.19
4	23,061	20.81	100.00
Total	110,812	100.00	

```
64 .
65 . tab smoking_2006, generate(smoking_2006g)
```

smoking_2006	Freq.	Percent	Cum.
1	47,368	42.89	42.89
2	47,821	43.30	86.19
3	15,250	13.81	100.00
Total	110,439	100.00	

```
66 .
67 . tab physic_act_2006, generate(physic_act_2006g)
```

physic_act_2006	Freq.	Percent	Cum.
1	24,705	22.30	22.30
2	22,890	20.66	42.96
3	63,187	57.04	100.00
Total	110,782	100.00	

```
68 .
69 . tab srh_2006, generate(srh_2006g)
```

srh_2006	Freq.	Percent	Cum.
1	**77,555**	**70.01**	**70.01**
2	**33,219**	**29.99**	**100.00**
Total	**110,774**	**100.00**	

```
70 .
71 . tab bmibr_2006, generate(bmibr_2006g)
```

bmibr_2006	Freq.	Percent	Cum.
1	**35,584**	**32.25**	**32.25**
2	**41,644**	**37.74**	**69.99**
3	**33,113**	**30.01**	**100.00**
Total	**110,341**	**100.00**	

```
72 .
73 . tab cardiometcondbr_2006, generate(cardiometcondbr_2006g)
```

cardiometco ndbr_2006	Freq.	Percent	Cum.
1	**37,632**	**33.96**	**33.96**
2	**63,186**	**57.02**	**90.98**
3	**9,996**	**9.02**	**100.00**
Total	**110,814**	**100.00**	

```
74 .
75 .
76 .
77 . **************************TABLE 4: MODEL 2*********************************
78 .
79 . ****************************OVERALL*****************************
80 . capture drop zpoorsleep_2006

81 . capture drop zpoorsleepalt_2006

82 . capture drop zlnhurd_odds

83 . capture drop zlnexpert_odds

84 . capture drop zlnlasso_odds

85 . foreach x of varlist poorsleep_2006 poorsleepalt_2006 lnhurd_odds lnexpert_odds lnlasso_odds {
     2.         mi passive: egen z`x'=std(`x') if sample_final==1
     3. }
   m=0:
   (36,570 missing values generated)
   m=1:
   (36,570 missing values generated)
   m=2:
   (36,570 missing values generated)
   m=3:
   (36,570 missing values generated)
   m=4:
   (36,570 missing values generated)
   m=5:
```

```
(36,570 missing values generated)
m=0:
(36,570 missing values generated)
m=1:
(36,570 missing values generated)
m=2:
(36,570 missing values generated)
m=3:
(36,570 missing values generated)
m=4:
(36,570 missing values generated)
m=5:
(36,570 missing values generated)
m=0:
(36,570 missing values generated)
m=1:
(36,570 missing values generated)
m=2:
(36,570 missing values generated)
m=3:
(36,570 missing values generated)
m=4:
(36,570 missing values generated)
m=5:
(36,570 missing values generated)
m=0:
(36,570 missing values generated)
m=1:
(36,570 missing values generated)
m=2:
(36,570 missing values generated)
m=3:
(36,570 missing values generated)
m=4:
(36,570 missing values generated)
m=5:
(36,570 missing values generated)
m=0:
(36,570 missing values generated)
m=1:
(36,570 missing values generated)
m=2:
(36,570 missing values generated)
m=3:
(36,570 missing values generated)
m=4:
(36,570 missing values generated)
m=5:
(36,570 missing values generated)

86 .
```

```
 87 . 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

 88 .
 89 .
 90 .
 91 .
 92 . foreach m of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
      2. mi estimate, cmdok esampvaryok: med4way zpoorsleep_2006 `m' AGE2006 SEX NonWhite  educationg* totwealth_2006
    > * zcesd_2006 if sample_final==1 , a0(0) a1(1) m(0) yreg(cox) mreg(linear)
      3. }
    variable zcesd_2006 not found
    an error occurred when mi estimate executed med4way on m=1
    r(111);

    end of do-file

    r(111);

 93 . do "C:\Users\baydounm\AppData\Local\Temp\STD6434_000000.tmp"

 94 .
 95 . mi passive: egen zcesd_2006=std(cesd_2006) if sample_final==1
    m=0:
    (37,051 missing values generated)
    m=1:
    (37,051 missing values generated)
    m=2:
    (37,051 missing values generated)
    m=3:
    (37,051 missing values generated)
    m=4:
    (37,051 missing values generated)
    m=5:
    (37,051 missing values generated)

 96 .
 97 . 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

 98 .
 99 .
100 .
101 .
102 . foreach m of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
      2. mi estimate, cmdok esampvaryok: med4way zpoorsleep_2006 `m' AGE2006 SEX NonWhite  educationg* totwealth_2006
    > * zcesd_2006 if sample_final==1 , a0(0) a1(1) m(0) yreg(cox) mreg(linear)
      3. }
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    type mismatch:  exp.exp:  transmorphic found where struct expected
    r(3000);

    end of do-file

    r(3000);
```

```
103 . do "C:\Users\baydounm\AppData\Local\Temp\STD6434_000000.tmp"

104 .
105 . foreach m of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
      2. mi estimate, cmdok esampvaryok: med4way zpoorsleep_2006 `m' AGE2006 SEX NonWhite  educationg* totwealth_2006
    > * zcesd_2006 if sample_final==1 , a0(0) a1(1) m(0) yreg(cox) mreg(linear)
      3. }
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

    Multiple-imputation estimates                    Imputations      =          5
                                                     Number of obs    =      6,510
                                                     Average RVI      =     0.0001
                                                     Largest FMI      =     0.0001
    DF adjustment:   Large sample                    DF:     min      =   3.23e+08
                                                             avg      =   7.60e+09
                                                             max      =   2.57e+10
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.0653792	.0161437	-4.05	0.000	-.0970203	-.0337381
ereri_cde	-.0639995	.0164227	-3.90	0.000	-.0961873	-.0318116
ereri_intref	.0055301	.0017506	3.16	0.002	.002099	.0089611
ereri_intmed	.003625	.0011361	3.19	0.001	.0013982	.0058517
ereri_pie	-.0105348	.0029528	-3.57	0.000	-.0163221	-.0047474

```
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
```

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

```
Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =      6,510
                                                Average RVI       =     0.0001
                                                Largest FMI       =     0.0002
DF adjustment:   Large sample                   DF:     min       =   1.14e+08
                                                        avg       =   3.84e+09
                                                        max       =   9.28e+09
```

	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
tereri	-.0667337	.0161466	-4.13	0.000	-.0983804	-.0350869
ereri_cde	-.0589408	.0163506	-3.60	0.000	-.0909873	-.0268942
ereri_intref	.0007869	.0012523	0.63	0.530	-.0016675	.0032413
ereri_intmed	.0039057	.0011079	3.53	0.000	.0017344	.0060771
ereri_pie	-.0124855	.003035	-4.11	0.000	-.0184339	-.0065371

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

```
Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =      6,510
                                                Average RVI       =     0.0001
                                                Largest FMI       =     0.0002
DF adjustment:   Large sample                   DF:     min       =   1.60e+08
                                                        avg       =   4.82e+09
                                                        max       =   6.96e+09
```

	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
tereri	-.0684043	.0160811	-4.25	0.000	-.0999227	-.0368859
ereri_cde	-.0595854	.0164094	-3.63	0.000	-.0917473	-.0274235
ereri_intref	.0022245	.0013284	1.67	0.094	-.0003792	.0048282
ereri_intmed	.0044225	.0011574	3.82	0.000	.0021541	.0066908
ereri_pie	-.0154659	.0032987	-4.69	0.000	-.0219312	-.0090006

```
. 
. 
. *****SENSITIVITY ANALYSIS, OVERALL*******
. 
. foreach m of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
  2. mi estimate, cmdok esampvaryok: med4way zpoorsleepalt_2006 `m' AGE2006 SEX NonWhite  educationg* totwealth_2
> 06g* zcesd_2006 if sample_final==1 , a0(0) a1(1) m(0) yreg(cox) mreg(linear)
  3. }
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =      6,510
                                                Average RVI       =     0.0001
                                                Largest FMI       =     0.0001
DF adjustment:   Large sample                   DF:     min       =   3.59e+08
                                                        avg       =   1.24e+10
                                                        max       =   3.23e+10
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.0713071	.0159959	-4.46	0.000	-.1026585	-.0399556
ereri_cde	-.0696972	.0162731	-4.28	0.000	-.1015919	-.0378025
ereri_intref	.0056935	.0017507	3.25	0.001	.0022622	.0091248
ereri_intmed	.0039003	.0011567	3.37	0.001	.0016332	.0061674
ereri_pie	-.0112037	.0029377	-3.81	0.000	-.0169615	-.0054459

```
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
```

Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

```
Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =      6,510
                                                Average RVI       =     0.0001
                                                Largest FMI       =     0.0002
DF adjustment:   Large sample                   DF:     min       =   1.16e+08
                                                        avg       =   6.21e+09
                                                        max       =   1.34e+10
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.0724546	.0160052	-4.53	0.000	-.1038243	-.0410849
ereri_cde	-.0650126	.0161977	-4.01	0.000	-.0967596	-.0332657
ereri_intref	.0008955	.0012469	0.72	0.473	-.0015484	.0033395
ereri_intmed	.0038437	.0010987	3.50	0.000	.0016903	.005997
ereri_pie	-.0121812	.0030042	-4.05	0.000	-.0180693	-.0062931

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

```
Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =      6,510
                                                Average RVI       =     0.0001
                                                Largest FMI       =     0.0002
DF adjustment:   Large sample                   DF:     min       =   1.75e+08
                                                        avg       =   1.03e+10
                                                        max       =   1.99e+10
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.0744681	.0159327	-4.67	0.000	-.1056957	-.0432405
ereri_cde	-.0656908	.0162566	-4.04	0.000	-.0975532	-.0338285
ereri_intref	.0023859	.0013247	1.80	0.072	-.0002105	.0049824
ereri_intmed	.0045361	.0011665	3.89	0.000	.0022497	.0068225
ereri_pie	-.0156992	.0032712	-4.80	0.000	-.0221107	-.0092878

```
111 .
112 .
113 . ****************************MEN******************************
114 . capture drop zpoorsleep_2006

115 . capture drop zpoorsleepalt_2006

116 . capture drop zlnhurd_odds

117 . capture drop zlnexpert_odds

118 . capture drop zlnlasso_odds

119 . foreach x of varlist poorsleep_2006 poorsleepalt_2006 lnhurd_odds lnexpert_odds lnlasso_odds {
  2.         mi passive: egen z`x'=std(`x') if sample_final==1
  3. }
(passive variables zpoorsleep_2006 zpoorsleepalt_2006 zlnhurd_odds zlnexpert_odds zlnlasso_odds unregistered beca
m=0:
(36,570 missing values generated)
m=1:
(36,570 missing values generated)
m=2:
(36,570 missing values generated)
m=3:
(36,570 missing values generated)
m=4:
(36,570 missing values generated)
m=5:
(36,570 missing values generated)
m=0:
(36,570 missing values generated)
m=1:
(36,570 missing values generated)
m=2:
(36,570 missing values generated)
m=3:
(36,570 missing values generated)
m=4:
(36,570 missing values generated)
m=5:
(36,570 missing values generated)
m=0:
(36,570 missing values generated)
m=1:
(36,570 missing values generated)
m=2:
(36,570 missing values generated)
m=3:
(36,570 missing values generated)
m=4:
(36,570 missing values generated)
m=5:
(36,570 missing values generated)
m=0:
(36,570 missing values generated)
m=1:
(36,570 missing values generated)
m=2:
(36,570 missing values generated)
m=3:
(36,570 missing values generated)
m=4:
(36,570 missing values generated)
```

```
    m=5:
    (36,570 missing values generated)
    m=0:
    (36,570 missing values generated)
    m=1:
    (36,570 missing values generated)
    m=2:
    (36,570 missing values generated)
    m=3:
    (36,570 missing values generated)
    m=4:
    (36,570 missing values generated)
    m=5:
    (36,570 missing values generated)

120 .
121 . 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

122 .
123 .
124 .
125 .
126 . foreach m of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
      2. mi estimate, cmdok esampvaryok: med4way zpoorsleep_2006 `m' AGE2006 SEX NonWhite  educationg* totwealth_2006
    > * zcesd_2006 if SEX==1 , a0(0) a1(1) m(0) yreg(cox) mreg(linear)
      3. }
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

    Multiple-imputation estimates                   Imputations       =          5
                                                    Number of obs     =      2,698
                                                    Average RVI       =     0.0001
                                                    Largest FMI       =     0.0003
    DF adjustment:   Large sample                   DF:     min       =   4.11e+07
                                                            avg       =   1.33e+09
                                                            max       =   5.09e+09
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	**-.0464783**	**.0255186**	**-1.82**	**0.069**	**-.0964939**	**.0035373**
ereri_cde	**-.0509472**	**.0257284**	**-1.98**	**0.048**	**-.1013739**	**-.0005205**
ereri_intref	**.0072059**	**.0030444**	**2.37**	**0.018**	**.001239**	**.0131728**
ereri_intmed	**.0017317**	**.001408**	**1.23**	**0.219**	**-.0010279**	**.0044913**
ereri_pie	**-.0044688**	**.0034806**	**-1.28**	**0.199**	**-.0112906**	**.0023531**

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

```
Multiple-imputation estimates                  Imputations     =          5
                                               Number of obs   =      2,698
                                               Average RVI     =     0.0001
                                               Largest FMI     =     0.0005
DF adjustment:   Large sample                  DF:     min     =   1.76e+07
                                                       avg     =   4.58e+08
                                                       max     =   9.82e+08
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	**-.0462402**	**.0255883**	**-1.81**	**0.071**	**-.0963924**	**.003912**
ereri_cde	**-.0475651**	**.0257412**	**-1.85**	**0.065**	**-.0980169**	**.0028866**
ereri_intref	**.005353**	**.0025776**	**2.08**	**0.038**	**.0003009**	**.0104051**
ereri_intmed	**.0021476**	**.0012907**	**1.66**	**0.096**	**-.0003821**	**.0046774**
ereri_pie	**-.0061757**	**.0032259**	**-1.91**	**0.056**	**-.0124984**	**.0001469**

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

```
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =      2,698
                                                Average RVI       =     0.0001
                                                Largest FMI       =     0.0004
DF adjustment:   Large sample                   DF:     min       =   2.74e+07
                                                        avg       =   5.31e+08
                                                        max       =   9.60e+08
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.0482747	.0254657	-1.90	0.058	-.0981865	.0016372
ereri_cde	-.0529877	.0263232	-2.01	0.044	-.1045801	-.0013952
ereri_intref	.0105406	.004262	2.47	0.013	.0021873	.0188939
ereri_intmed	.0020366	.001237	1.65	0.100	-.0003879	.0044612
ereri_pie	-.0078643	.0039785	-1.98	0.048	-.0156619	-.0000666

```
127 .
128 .
129 . *****SENSITIVITY ANALYSIS, MEN*******
130 .
131 . foreach m of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
  2. mi estimate, cmdok esampvaryok: med4way zpoorsleepalt_2006 `m' AGE2006 SEX NonWhite  educationg* totwealth_2
> 06g* zcesd_2006 if SEX==1 , a0(0) a1(1) m(0) yreg(cox) mreg(linear)
  3. }
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =      2,698
                                                Average RVI       =     0.0001
                                                Largest FMI       =     0.0003
DF adjustment:   Large sample                   DF:     min       =   3.58e+07
                                                        avg       =   2.02e+09
                                                        max       =   8.49e+09
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.0499218	.0253418	-1.97	0.049	-.0995909	-.0002528
ereri_cde	-.0546463	.0255597	-2.14	0.033	-.1047423	-.0045502
ereri_intref	.0074653	.0031169	2.40	0.017	.0013564	.0135743
ereri_intmed	.0018204	.0014413	1.26	0.207	-.0010045	.0046453
ereri_pie	-.0045613	.0034561	-1.32	0.187	-.0113351	.0022125

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

```
Multiple-imputation estimates                Imputations     =          5
                                             Number of obs   =      2,698
                                             Average RVI     =     0.0002
                                             Largest FMI     =     0.0005
DF adjustment:   Large sample                DF:     min     =   1.61e+07
                                                     avg     =   5.51e+08
                                                     max     =   1.48e+09
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.049416	.0254347	-1.94	0.052	-.0992672	.0004351
ereri_cde	-.0515294	.0255617	-2.02	0.044	-.1016295	-.0014294
ereri_intref	.0055075	.0026007	2.12	0.034	.0004102	.0106048
ereri_intmed	.0019059	.0012649	1.51	0.132	-.0005733	.0043851
ereri_pie	-.0053001	.0031745	-1.67	0.095	-.011522	.0009218

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

Multiple-imputation estimates	Imputations	=	**5**
	Number of obs	=	**2,698**
	Average RVI	=	**0.0001**
	Largest FMI	=	**0.0004**
DF adjustment: **Large sample**	DF: min	=	**2.62e+07**
	avg	=	**6.86e+08**
	max	=	**1.58e+09**

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	**-.0518629**	**.0253063**	**-2.05**	**0.040**	**-.1014623**	**-.0022636**
ereri_cde	**-.0572273**	**.0261577**	**-2.19**	**0.029**	**-.1084955**	**-.0059591**
ereri_intref	**.0107801**	**.0043433**	**2.48**	**0.013**	**.0022674**	**.0192927**
ereri_intmed	**.001954**	**.0012319**	**1.59**	**0.113**	**-.0004606**	**.0043685**
ereri_pie	**-.0073697**	**.0039338**	**-1.87**	**0.061**	**-.0150799**	**.0003405**

```
132 .
133 .
134 .
135 . ****************************WOMEN*******************************
136 . capture drop zpoorsleep_2006

137 . capture drop zpoorsleepalt_2006

138 . capture drop zlnhurd_odds

139 . capture drop zlnexpert_odds

140 . capture drop zlnlasso_odds

141 . foreach x of varlist poorsleep_2006 poorsleepalt_2006 lnhurd_odds lnexpert_odds lnlasso_odds {
  2.         mi passive: egen z`x'=std(`x') if sample_final==1
  3. }
(passive variables zpoorsleep_2006 zpoorsleepalt_2006 zlnhurd_odds zlnexpert_odds zlnlasso_odds unregistered beca
m=0:
(36,570 missing values generated)
m=1:
(36,570 missing values generated)
m=2:
(36,570 missing values generated)
m=3:
(36,570 missing values generated)
m=4:
(36,570 missing values generated)
m=5:
(36,570 missing values generated)
m=0:
(36,570 missing values generated)
m=1:
(36,570 missing values generated)
m=2:
(36,570 missing values generated)
m=3:
(36,570 missing values generated)
m=4:
(36,570 missing values generated)
```

```
    m=5:
    (36,570 missing values generated)
    m=0:
    (36,570 missing values generated)
    m=1:
    (36,570 missing values generated)
    m=2:
    (36,570 missing values generated)
    m=3:
    (36,570 missing values generated)
    m=4:
    (36,570 missing values generated)
    m=5:
    (36,570 missing values generated)
    m=0:
    (36,570 missing values generated)
    m=1:
    (36,570 missing values generated)
    m=2:
    (36,570 missing values generated)
    m=3:
    (36,570 missing values generated)
    m=4:
    (36,570 missing values generated)
    m=5:
    (36,570 missing values generated)
    m=0:
    (36,570 missing values generated)
    m=1:
    (36,570 missing values generated)
    m=2:
    (36,570 missing values generated)
    m=3:
    (36,570 missing values generated)
    m=4:
    (36,570 missing values generated)
    m=5:
    (36,570 missing values generated)

142 .
143 . 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

144 .
145 .
146 .
147 . save, replace
    file C:\Users\baydounm\AppData\Local\Temp\ST_6434_000002.tmp saved as .dta format

148 .
```

```
149 .
150 . foreach m of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
  2. mi estimate, cmdok esampvaryok: med4way zpoorsleep_2006 `m' AGE2006 SEX NonWhite  educationg* totwealth_2006
> * zcesd_2006 if SEX==2 , a0(0) a1(1) m(0) yreg(cox) mreg(linear)
  3. }
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =      3,812
                                                Average RVI       =     0.0000
                                                Largest FMI       =     0.0000
DF adjustment:   Large sample                   DF:     min       =   1.96e+09
                                                        avg       =   3.83e+09
                                                        max       =   6.85e+09
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.0792418	.0208355	-3.80	0.000	-.1200786	-.0384049
ereri_cde	-.0730487	.0213283	-3.42	0.001	-.1148515	-.0312459
ereri_intref	.0037994	.0022261	1.71	0.088	-.0005636	.0081625
ereri_intmed	.0048881	.0016858	2.90	0.004	.0015839	.0081922
ereri_pie	-.0148805	.0044637	-3.33	0.001	-.0236292	-.0061318

```
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
```

```
Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =      3,812
                                                Average RVI       =     0.0000
                                                Largest FMI       =     0.0000
DF adjustment:   Large sample                   DF:     min       =   3.41e+09
                                                        avg       =   5.03e+09
                                                        max       =   6.16e+09
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.0822088	.020797	-3.95	0.000	-.1229701	-.0414474
ereri_cde	-.0657938	.0210867	-3.12	0.002	-.1071229	-.0244647
ereri_intref	-.0045413	.0021765	-2.09	0.037	-.0088072	-.0002754
ereri_intmed	.0055607	.0017512	3.18	0.001	.0021284	.0089929
ereri_pie	-.0174343	.0048044	-3.63	0.000	-.0268507	-.008018

```
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
```

```
Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =      3,812
                                                Average RVI       =     0.0000
                                                Largest FMI       =     0.0000
DF adjustment:   Large sample                   DF:     min       =   3.83e+09
                                                        avg       =   5.79e+09
                                                        max       =   9.04e+09
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.0839315	.0207153	-4.05	0.000	-.1245328	-.0433302
ereri_cde	-.0610073	.0209599	-2.91	0.004	-.102088	-.0199267
ereri_intref	-.0080102	.0023651	-3.39	0.001	-.0126457	-.0033746
ereri_intmed	.0065684	.0018497	3.55	0.000	.0029431	.0101937
ereri_pie	-.0214824	.0049875	-4.31	0.000	-.0312577	-.011707

```
151 .
152 .
153 .
154 . *****SENSITIVITY ANALYSIS, WOMEN*******
155 .
156 . foreach m of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
  2. mi estimate, cmdok esampvaryok: med4way zpoorsleepalt_2006 `m' AGE2006 SEX NonWhite  educationg* totwealth_2
> 06g* zcesd_2006 if SEX==2 , a0(0) a1(1) m(0) yreg(cox) mreg(linear)
  3. }
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =      3,812
                                                Average RVI       =     0.0000
                                                Largest FMI       =     0.0001
DF adjustment:   Large sample                   DF:     min       =   1.05e+09
                                                        avg       =   2.35e+09
                                                        max       =   4.26e+09
```

	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
tereri	-.0871932	.0206018	-4.23	0.000	-.1275721	-.0468144
ereri_cde	-.0803506	.0210981	-3.81	0.000	-.1217022	-.038999
ereri_intref	.0039831	.0021884	1.82	0.069	-.0003061	.0082723
ereri_intmed	.0053083	.0017144	3.10	0.002	.001948	.0086685
ereri_pie	-.0161339	.0044396	-3.63	0.000	-.0248355	-.0074324

```
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
```

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

Multiple-imputation estimates		Imputations	=	**5**
		Number of obs	=	**3,812**
		Average RVI	=	**0.0000**
		Largest FMI	=	**0.0001**
DF adjustment:	**Large sample**	DF: min	=	**1.18e+09**
		avg	=	**3.05e+09**
		max	=	**5.14e+09**

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	**-.0896944**	**.0205713**	**-4.36**	**0.000**	**-.1300134**	**-.0493755**
ereri_cde	**-.0733173**	**.0208685**	**-3.51**	**0.000**	**-.1142188**	**-.0324158**
ereri_intref	**-.0041846**	**.0021176**	**-1.98**	**0.048**	**-.0083349**	**-.0000343**
ereri_intmed	**.0056334**	**.0017336**	**3.25**	**0.001**	**.0022355**	**.0090312**
ereri_pie	**-.0178259**	**.0047459**	**-3.76**	**0.000**	**-.0271278**	**-.0085241**

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

Multiple-imputation estimates		Imputations	=	**5**
		Number of obs	=	**3,812**
		Average RVI	=	**0.0000**
		Largest FMI	=	**0.0001**
DF adjustment:	**Large sample**	DF: min	=	**1.27e+09**
		avg	=	**3.43e+09**
		max	=	**5.68e+09**

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	**-.0918031**	**.0204745**	**-4.48**	**0.000**	**-.1319323**	**-.0516738**
ereri_cde	**-.0685525**	**.0207379**	**-3.31**	**0.001**	**-.1091981**	**-.0279069**
ereri_intref	**-.0076524**	**.0023243**	**-3.29**	**0.001**	**-.012208**	**-.0030968**
ereri_intmed	**.0068409**	**.0018637**	**3.67**	**0.000**	**.0031881**	**.0104938**
ereri_pie	**-.0224391**	**.0049456**	**-4.54**	**0.000**	**-.0321323**	**-.0127459**

```
157 .
158 .
159 .
160 . **************************NHW******************************************
161 . capture drop zpoorsleep_2006

162 . capture drop zpoorsleepalt_2006

163 . capture drop zlnhurd_odds

164 . capture drop zlnexpert_odds

165 . capture drop zlnlasso_odds

166 . foreach x of varlist poorsleep_2006 poorsleepalt_2006 lnhurd_odds lnexpert_odds lnlasso_odds {
  2.         mi passive: egen z`x'=std(`x') if sample_final==1
  3. }
(passive variables zpoorsleep_2006 zpoorsleepalt_2006 zlnhurd_odds zlnexpert_odds zlnlasso_odds unregistered beca
m=0:
(36,570 missing values generated)
m=1:
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m=1:
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m=2:
(36,570 missing values generated)
m=3:
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m=4:
```

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(36,570 missing values generated)
m=5:
(36,570 missing values generated)
m=0:
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m=1:
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m=2:
(36,570 missing values generated)
m=3:
(36,570 missing values generated)
m=4:
(36,570 missing values generated)
m=5:
(36,570 missing values generated)

167 .
168 . 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

169 .
170 .
171 .
172 .
173 .
174 . foreach m of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
      2. mi estimate, cmdok esampvaryok: med4way zpoorsleep_2006 `m' AGE2006 SEX NonWhite  educationg* totwealth_2006
    > * zcesd_2006 if NonWhite==0 , a0(0) a1(1) m(0) yreg(cox) mreg(linear)
      3. }
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

    Multiple-imputation estimates                   Imputations       =          5
                                                    Number of obs     =      5,324
                                                    Average RVI       =     0.0000
                                                    Largest FMI       =     0.0001
    DF adjustment:   Large sample                   DF:     min       =   1.18e+09
                                                            avg       =   2.64e+09
                                                            max       =   5.80e+09
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	**-.0494798**	**.017994**	**-2.75**	**0.006**	**-.0847474**	**-.0142121**
ereri_cde	**-.0549282**	**.0185605**	**-2.96**	**0.003**	**-.0913061**	**-.0185502**
ereri_intref	**.0133072**	**.0030837**	**4.32**	**0.000**	**.0072634**	**.0193511**
ereri_intmed	**.0041126**	**.0013211**	**3.11**	**0.002**	**.0015232**	**.006702**
ereri_pie	**-.0119715**	**.0033883**	**-3.53**	**0.000**	**-.0186123**	**-.0053306**

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

```
Multiple-imputation estimates                   Imputations     =          5
                                                Number of obs   =      5,324
                                                Average RVI     =     0.0000
                                                Largest FMI     =     0.0001
DF adjustment:   Large sample                   DF:     min     =   1.19e+09
                                                        avg     =   2.01e+09
                                                        max     =   3.98e+09
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	**-.0511674**	**.0179926**	**-2.84**	**0.004**	**-.0864323**	**-.0159025**
ereri_cde	**-.0456814**	**.018472**	**-2.47**	**0.013**	**-.0818859**	**-.0094769**
ereri_intref	**.0063426**	**.0019961**	**3.18**	**0.001**	**.0024304**	**.0102549**
ereri_intmed	**.0051486**	**.0013631**	**3.78**	**0.000**	**.0024769**	**.0078203**
ereri_pie	**-.0169772**	**.0036564**	**-4.64**	**0.000**	**-.0241436**	**-.0098108**

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

```
Multiple-imputation estimates                    Imputations       =          5
                                                 Number of obs     =      5,324
                                                 Average RVI       =     0.0000
                                                 Largest FMI       =     0.0001
DF adjustment:   Large sample                    DF:     min       =   5.08e+08
                                                         avg       =   4.59e+09
                                                         max       =   1.68e+10
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.0523651	.0179126	-2.92	0.003	-.0874732	-.0172569
ereri_cde	-.0469564	.0185279	-2.53	0.011	-.0832704	-.0106425
ereri_intref	.0078081	.0022414	3.48	0.000	.0034149	.0122012
ereri_intmed	.0056646	.0014337	3.95	0.000	.0028546	.0084746
ereri_pie	-.0188813	.0038424	-4.91	0.000	-.0264123	-.0113503

```
175 .
176 .
177 .
178 . *****SENSITIVITY ANALYSIS,  NHW*******
179 .
180 . foreach m of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
  2. mi estimate, cmdok esampvaryok: med4way zpoorsleepalt_2006 `m' AGE2006 SEX NonWhite  educationg* totwealth_2
> 06g* zcesd_2006 if NonWhite==0 , a0(0) a1(1) m(0) yreg(cox) mreg(linear)
  3. }
```

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

```
Multiple-imputation estimates                    Imputations       =          5
                                                 Number of obs     =      5,324
                                                 Average RVI       =     0.0000
                                                 Largest FMI       =     0.0001
DF adjustment:   Large sample                    DF:     min       =   1.58e+09
                                                         avg       =   5.83e+09
                                                         max       =   1.21e+10
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.0563906	.017887	-3.15	0.002	-.0914485	-.0213328
ereri_cde	-.061824	.0184703	-3.35	0.001	-.0980252	-.0256229
ereri_intref	.013754	.0031299	4.39	0.000	.0076194	.0198885
ereri_intmed	.0045156	.0013674	3.30	0.001	.0018356	.0071956
ereri_pie	-.0128361	.0033782	-3.80	0.000	-.0194573	-.006215

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

```
Multiple-imputation estimates                   Imputations     =          5
                                                Number of obs   =      5,324
                                                Average RVI     =     0.0000
                                                Largest FMI     =     0.0001
DF adjustment:   Large sample                   DF:     min     =   1.41e+09
                                                        avg     =   5.11e+09
                                                        max     =   1.02e+10
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.0578032	.0178991	-3.23	0.001	-.0928849	-.0227215
ereri_cde	-.0527225	.0183726	-2.87	0.004	-.0887322	-.0167129
ereri_intref	.0065844	.0020024	3.29	0.001	.0026598	.010509
ereri_intmed	.0051515	.001365	3.77	0.000	.0024762	.0078268
ereri_pie	-.0168165	.0036252	-4.64	0.000	-.0239217	-.0097113

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

Multiple-imputation estimates	Imputations	=	**5**
	Number of obs	=	**5,324**
	Average RVI	=	**0.0000**
	Largest FMI	=	**0.0001**
DF adjustment: **Large sample**	DF: min	=	**5.87e+08**
	avg	=	**7.52e+09**
	max	=	**1.31e+10**

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	**-.0593195**	**.0178148**	**-3.33**	**0.001**	**-.0942359**	**-.0244032**
ereri_cde	**-.0541993**	**.018439**	**-2.94**	**0.003**	**-.090339**	**-.0180596**
ereri_intref	**.0081853**	**.0022739**	**3.60**	**0.000**	**.0037285**	**.0126421**
ereri_intmed	**.0058666**	**.0014602**	**4.02**	**0.000**	**.0030046**	**.0087285**
ereri_pie	**-.0191721**	**.003814**	**-5.03**	**0.000**	**-.0266473**	**-.0116969**

```
181 .
182 . **************************Non-White************************************
183 . capture drop zpoorsleep_2006

184 . capture drop zpoorsleepalt_2006

185 . capture drop zlnhurd_odds

186 . capture drop zlnexpert_odds

187 . capture drop zlnlasso_odds

188 . foreach x of varlist poorsleep_2006 poorsleepalt_2006 lnhurd_odds lnexpert_odds lnlasso_odds {
  2.         mi passive: egen z`x'=std(`x') if sample_final==1
  3. }
(passive variables zpoorsleep_2006 zpoorsleepalt_2006 zlnhurd_odds zlnexpert_odds zlnlasso_odds unregistered beca
m=0:
(36,570 missing values generated)
m=1:
(36,570 missing values generated)
m=2:
(36,570 missing values generated)
m=3:
(36,570 missing values generated)
m=4:
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m=3:
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m=5:
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m=0:
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m=1:
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(36,570 missing values generated)
m=3:
(36,570 missing values generated)
m=4:
(36,570 missing values generated)
m=5:
(36,570 missing values generated)

189 .
190 . 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

191 .
192 .
193 .
194 .
195 . foreach m of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
      2. mi estimate, cmdok esampvaryok: med4way zpoorsleep_2006 `m' AGE2006 SEX NonWhite  educationg* totwealth_2006
    > * zcesd_2006 if NonWhite==1 , a0(0) a1(1) m(0) yreg(cox) mreg(linear)
      3. }
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
```

Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

```
Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =      1,186
                                                Average RVI       =     0.0003
                                                Largest FMI       =     0.0011
DF adjustment:   Large sample                   DF:     min       = 3355538.16
                                                        avg       =   5.84e+09
                                                        max       =   2.53e+10
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.1308157	.0374302	-3.49	0.000	-.2041776	-.0574537
ereri_cde	-.1105529	.0378512	-2.92	0.003	-.1847398	-.0363659
ereri_intref	-.0161959	.0105063	-1.54	0.123	-.036788	.0043961
ereri_intmed	.0014922	.0017496	0.85	0.394	-.0019369	.0049213
ereri_pie	-.0055591	.0057113	-0.97	0.330	-.016753	.0056349

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

```
Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =      1,186
                                                Average RVI       =     0.0007
                                                Largest FMI       =     0.0025
DF adjustment:   Large sample                   DF:     min       = 651,141.36
                                                        avg       =   1.51e+11
                                                        max       =   7.51e+11
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	**-.1300898**	**.0374226**	**-3.48**	**0.001**	**-.2034369**	**-.0567428**
ereri_cde	**-.1191736**	**.0377776**	**-3.15**	**0.002**	**-.1932162**	**-.0451309**
ereri_intref	**-.0101299**	**.0086784**	**-1.17**	**0.243**	**-.0271393**	**.0068795**
ereri_intmed	**.0002406**	**.001162**	**0.21**	**0.836**	**-.0020369**	**.0025181**
ereri_pie	**-.0010269**	**.0049001**	**-0.21**	**0.834**	**-.0106309**	**.0085771**

```
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
```

```
Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =      1,186
                                                Average RVI       =     0.0003
                                                Largest FMI       =     0.0009
DF adjustment:   Large sample                   DF:     min       = 4673663.36
                                                        avg       =   3.07e+10
                                                        max       =   1.49e+11
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	**-.1338002**	**.0373552**	**-3.58**	**0.000**	**-.207015**	**-.0605854**
ereri_cde	**-.1238971**	**.0367782**	**-3.37**	**0.001**	**-.195981**	**-.0518131**
ereri_intref	**-.0058766**	**.0086654**	**-0.68**	**0.498**	**-.0228605**	**.0111073**
ereri_intmed	**.0005926**	**.0010317**	**0.57**	**0.566**	**-.0014295**	**.0026146**
ereri_pie	**-.0046191**	**.0062616**	**-0.74**	**0.461**	**-.0168917**	**.0076535**

```
196 .
197 . *****SENSITIVITY ANALYSIS,  Non-White*******
198 .
```

```
199 . foreach m of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
      2. mi estimate, cmdok esampvaryok: med4way zpoorsleepalt_2006 `m' AGE2006 SEX NonWhite  educationg* totwealth_2
    > 06g* zcesd_2006 if NonWhite==1 , a0(0) a1(1) m(0) yreg(cox) mreg(linear)
      3. }
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.

    Multiple-imputation estimates                   Imputations       =          5
                                                    Number of obs     =      1,186
                                                    Average RVI       =     0.0003
                                                    Largest FMI       =     0.0012
    DF adjustment:   Large sample                   DF:     min       = 3027996.90
                                                            avg       =   4.61e+09
                                                            max       =   1.98e+10
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.1310776	.0365923	-3.58	0.000	-.2027973	-.0593579
ereri_cde	-.1111045	.0371344	-2.99	0.003	-.1838865	-.0383225
ereri_intref	-.015845	.0103624	-1.53	0.126	-.036155	.004465
ereri_intmed	.0014531	.0016788	0.87	0.387	-.0018373	.0047435
ereri_pie	-.0055812	.0056183	-0.99	0.321	-.0165929	.0054305

```
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
    > ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
```

```
Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =      1,186
                                                Average RVI       =     0.0006
                                                Largest FMI       =     0.0026
DF adjustment:   Large sample                   DF:     min       = 593,379.03
                                                        avg       =   5.37e+10
                                                        max       =   2.60e+11
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.1305678	.036569	-3.57	0.000	-.2022418	-.0588939
ereri_cde	-.1197367	.0370739	-3.23	0.001	-.1924002	-.0470732
ereri_intref	-.0103081	.0085493	-1.21	0.228	-.0270644	.0064482
ereri_intmed	.0001613	.0011436	0.14	0.888	-.0020801	.0024027
ereri_pie	-.0006843	.0048254	-0.14	0.887	-.0101419	.0087732

```
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 b
> ndbr_2006g3 zcesd_2006 were not provided. All covariates are fixed at their respective mean.
```

```
Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =      1,186
                                                Average RVI       =     0.0003
                                                Largest FMI       =     0.0010
DF adjustment:   Large sample                   DF:     min       = 4317459.70
                                                        avg       =   1.88e+10
                                                        max       =   9.04e+10
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.134643	.0364571	-3.69	0.000	-.2060977	-.0631884
ereri_cde	-.1245663	.036056	-3.45	0.001	-.1952349	-.0538978
ereri_intref	-.005761	.0085282	-0.68	0.499	-.022476	.0109539
ereri_intmed	.0006235	.0010289	0.61	0.544	-.0013931	.0026402
ereri_pie	-.0049392	.0061316	-0.81	0.421	-.016957	.0070786

```
200 .
201 .
202 . save finaldata_imputed_FINAL, replace
    file finaldata_imputed_FINAL.dta saved

203 .
204 .
205 .
206 .
207 . capture log close
```