



```

1 .
2 .
3 . **STEP 17: TABLE 5: MED4WAY FOR DIFFERENT PROBABILITIES OF DEMENTIA AS EXPOSURE, POOR SLEEP AS MEDIATORS, AND A
4 .
5 .
6 . use finaldata_imputed_FINAL,clear

7 .
8 . *****OVERALL*****
9 . capture drop zpoorsleep_2006

10 . capture drop zpoorsleepalt_2006

11 . capture drop zlnhurd_odds

12 . capture drop zlnexpert_odds

13 . capture drop zlnlasso_odds

14 . 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)

```

```
(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)
```

15 .

16 . 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
```

17 .

18 .

19 .

20 .

21 .

```
22 . foreach x of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
    2. mi estimate, cmdok esampvaryok: med4way `x' zpoorsleep_2006 AGE2006 SEX NonWhite educationg* totwealth_2006
    > g* 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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      =     1.08e+08
                                  avg                 =     2.00e+10
                                  max                 =     9.91e+10

```

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.5078116	.047817	10.62	0.000	.4140919	.6015312
ereri_cde	.4683686	.0458344	10.22	0.000	.3785348	.5582024
ereri_intref	.0186584	.0060933	3.06	0.002	.0067158	.030601
ereri_intmed	.0158549	.0051666	3.07	0.002	.0057285	.0259813
ereri_pie	.0049297	.0018693	2.64	0.008	.001266	.0085934

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         =     0.0003
DF adjustment:  Large sample      DF:      min      =     4.54e+07
                                  avg                 =     4.38e+09
                                  max                 =     2.14e+10

```

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.3828363	.0320282	11.95	0.000	.3200621	.4456104
ereri_cde	.3589969	.0311212	11.54	0.000	.2980004	.4199933
ereri_intref	.0102364	.0034524	2.96	0.003	.0034698	.017003
ereri_intmed	.0094675	.002784	3.40	0.001	.0040109	.0149241
ereri_pie	.0041355	.0015281	2.71	0.007	.0011406	.0071305

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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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	=	1.38e+08
	avg	=	1.01e+10
	max	=	4.96e+10

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.4457043	.0345508	12.90	0.000	.3779859	.5134227
ereri_cde	.4169909	.0336765	12.38	0.000	.3509861	.4829957
ereri_intref	.0115115	.0038936	2.96	0.003	.0038802	.0191428
ereri_intmed	.012242	.0033461	3.66	0.000	.0056839	.0188002
ereri_pie	.0049599	.0017375	2.85	0.004	.0015545	.0083652

23 .

24 . *****SENSITIVITY ANALYSIS, OVERALL*****

25 .

26 .

27 .

foreach x of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {

2. mi estimate, cmdok esampvaryok: med4way `x' zpoorsleepalt_2006 AGE2006 SEX NonWhite educationg* totwealth_

> 006g* 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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	=	1.17e+08
	avg	=	1.90e+10
	max	=	9.44e+10

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.5083399	.0478423	10.63	0.000	.4145707	.6021091
ereri_cde	.4654872	.0456889	10.19	0.000	.3759386	.5550358
ereri_intref	.0196838	.006302	3.12	0.002	.0073321	.0320356
ereri_intmed	.017337	.0053714	3.23	0.001	.0068093	.0278647
ereri_pie	.0058319	.002038	2.86	0.004	.0018374	.0098264

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	=	0.0003
DF adjustment: Large sample	DF: min	=	3.73e+07
	avg	=	4.78e+09
	max	=	2.34e+10

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.3824244	.0320032	11.95	0.000	.3196992	.4451495
ereri_cde	.3576487	.0310558	11.52	0.000	.2967804	.418517
ereri_intref	.0107789	.0035544	3.03	0.002	.0038125	.0177453
ereri_intmed	.0094619	.0028059	3.37	0.001	.0039623	.0149614
ereri_pie	.0045349	.0015896	2.85	0.004	.0014194	.0076503

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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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      =       1.38e+08
                                     avg          =       1.61e+10
                                     max          =       8.01e+10
```

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.4449895	.0345137	12.89	0.000	.377344	.5126351
ereri_cde	.4144499	.0335902	12.34	0.000	.3486144	.4802854
ereri_intref	.0121254	.0040269	3.01	0.003	.0042328	.0200179
ereri_intmed	.0127453	.0034338	3.71	0.000	.0060151	.0194754
ereri_pie	.005669	.0018412	3.08	0.002	.0020604	.0092777

28 .

29 .

30 . *****MEN*****

31 . capture drop zpoorsleep_2006

32 . capture drop zpoorsleepalt_2006

33 . capture drop zlnhurd_odds

34 . capture drop zlnexpert_odds

35 . capture drop zlnlasso_odds

36 . 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 because of

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)
```

37 .

38 . 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
```

```

39 .
40 .
41 .
42 .
43 .
44 . foreach x of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
      2. mi estimate, cmdok esampvaryok: med4way `x' zpoorsleep_2006 AGE2006 SEX NonWhite educationg* totwealth_2006
      > g* 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 educationg5
 > 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 educationg5
 > 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 educationg5
 > 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 educationg5
 > 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 educationg5
 > 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	=	0.0004
DF adjustment: Large sample	DF: min	=	2.39e+07
	avg	=	2.95e+09
	max	=	1.42e+10

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.4164165	.0724578	5.75	0.000	.2744019	.5584311
ereri_cde	.3663741	.0687888	5.33	0.000	.2315505	.5011976
ereri_intref	.03971	.0151257	2.63	0.009	.0100643	.0693558
ereri_intmed	.0080567	.0066646	1.21	0.227	-.0050057	.0211191
ereri_pie	.0022757	.0021029	1.08	0.279	-.001846	.0063973

Warning: this analysis assumes a rare outcome.

Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 educationg5
 > 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 educationg5
 > 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 educationg5
 > 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 educationg5
 > 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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	=	0.0003
	Largest FMI	=	0.0008
DF adjustment: Large sample	DF: min	=	6214103.16
	avg	=	4.44e+08
	max	=	1.96e+09

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.2695916	.0475928	5.66	0.000	.1763114	.3628718
ereri_cde	.2409081	.0463011	5.20	0.000	.1501595	.3316566
ereri_intref	.0208089	.0088543	2.35	0.019	.0034548	.038163
ereri_intmed	.005339	.0032771	1.63	0.103	-.0010839	.0117619
ereri_pie	.0025357	.0018865	1.34	0.179	-.0011619	.0062332

Warning: this analysis assumes a rare outcome.

Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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	=	1.76e+07
	avg	=	3.90e+08
	max	=	1.75e+09

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.3520528	.0514405	6.84	0.000	.2512312	.4528743
ereri_cde	.3215936	.0500869	6.42	0.000	.2234251	.4197622
ereri_intref	.0218936	.0099902	2.19	0.028	.0023132	.041474
ereri_intmed	.0057126	.003571	1.60	0.110	-.0012865	.0127117
ereri_pie	.0028529	.0020199	1.41	0.158	-.0011061	.006812

```

45 .
46 .
47 . *****SENSITIVITY ANALYSIS*****
48 .
49 . foreach x of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
      2. mi estimate, cmdok esampvaryok: med4way `x' zpoorsleepalt_2006 AGE2006 SEX NonWhite educationg* totwealth
      > 006g* 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.

```

```

Multiple-imputation estimates          Imputations      =          5
                                     Number of obs      =        2,698
                                     Average RVI        =        0.0002
                                     Largest FMI        =        0.0004
DF adjustment:  Large sample          DF:      min      =       2.34e+07
                                     avg          =       7.16e+09
                                     max          =       3.52e+10

```

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.4163938	.0724495	5.75	0.000	.2743953	.5583923
ereri_cde	.3652305	.0685961	5.32	0.000	.2307846	.4996765
ereri_intref	.0400392	.015321	2.61	0.009	.0100107	.0700677
ereri_intmed	.0085921	.0069285	1.24	0.215	-.0049875	.0221717
ereri_pie	.002532	.0022419	1.13	0.259	-.0018622	.0069261

```

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 educationg5
 > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
 > 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	=	0.0003
	Largest FMI	=	0.0008
DF adjustment: Large sample	DF: min	=	5881032.39
	avg	=	7.82e+08
	max	=	3.65e+09

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.2699946	.047615	5.67	0.000	.176671	.3633183
ereri_cde	.241748	.0462393	5.23	0.000	.1511206	.3323754
ereri_intref	.0210587	.0088441	2.38	0.017	.0037246	.0383927
ereri_intmed	.0048072	.0032497	1.48	0.139	-.0015622	.0111766
ereri_pie	.0023808	.0018317	1.30	0.194	-.0012092	.0059708

Warning: this analysis assumes a rare outcome.

Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 educationg5
 > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
 > 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 educationg5
 > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
 > 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 educationg5
 > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
 > 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 educationg5
 > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
 > 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 educationg5
 > 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
 > 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	=	1.78e+07
	avg	=	8.23e+08
	max	=	3.90e+09

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.3508348	.0513407	6.83	0.000	.2502088	.4514608
ereri_cde	.3206145	.0500176	6.41	0.000	.2225818	.4186472
ereri_intref	.0217371	.010039	2.17	0.030	.0020611	.0414131
ereri_intmed	.005549	.003598	1.54	0.123	-.001503	.0126011
ereri_pie	.0029342	.0020567	1.43	0.154	-.001097	.0069653

```

50 .
51 .
52 .
53 . *****WOMEN*****
54 . capture drop zpoorsleep_2006

55 . capture drop zpoorsleepalt_2006

56 . capture drop zlnhurd_odds

57 . capture drop zlnexpert_odds

58 . capture drop zlnlasso_odds

59 . 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 because
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)
```

60 .

61 . 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
```

62 .

63 .

64 .

65 .

```
66 . foreach x of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
    2. mi estimate, cmdok esampvaryok: med4way `x' zpoorsleep_2006 AGE2006 SEX NonWhite educationg* totwealth_2006
    > g* 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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: min	=	3.28e+08
avg	=	1.62e+09
max	=	2.90e+09

DF adjustment: Large sample

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.5690946	.0635896	8.95	0.000	.4444613	.6937279
ereri_cde	.5423194	.0618847	8.76	0.000	.4210276	.6636112
ereri_intref	-.0007545	.0051422	-0.15	0.883	-.0108331	.0093241
ereri_intmed	.0208004	.0075418	2.76	0.006	.0060187	.0355821
ereri_pie	.0067293	.0028207	2.39	0.017	.0012008	.0122577

Warning: this analysis assumes a rare outcome.

Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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	=	1.67e+09
	avg	=	5.98e+09
	max	=	2.05e+10

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.4612899	.0432456	10.67	0.000	.37653	.5460498
ereri_cde	.4458882	.0424209	10.51	0.000	.3627448	.5290316
ereri_intref	-.0031992	.0033987	-0.94	0.347	-.0098605	.0034622
ereri_intmed	.0133793	.0044008	3.04	0.002	.0047539	.0220046
ereri_pie	.0052216	.0022254	2.35	0.019	.0008599	.0095832

Warning: this analysis assumes a rare outcome.

Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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	=	2.71e+09
	avg	=	5.36e+09
	max	=	1.42e+10

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.5134917	.046634	11.01	0.000	.4220906	.6048927
ereri_cde	.493091	.0458615	10.75	0.000	.4032042	.5829779
ereri_intref	-.0038566	.0035737	-1.08	0.281	-.0108608	.0031477
ereri_intmed	.0180633	.005351	3.38	0.001	.0075756	.028551
ereri_pie	.0061939	.0025968	2.39	0.017	.0011043	.0112834

67 .

68 .

69 . *****SENSITIVITY ANALYSIS*****

70 .

71 . foreach x of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {

2. mi estimate, cmdok esampvaryok: med4way `x' zpoorsleepalt_2006 AGE2006 SEX NonWhite educationg* totwealth_

> 006g* 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	=	3.09e+08
	avg	=	1.42e+09
	max	=	2.77e+09

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.569994	.0636598	8.95	0.000	.445223	.694765
ereri_cde	.5371311	.0616363	8.71	0.000	.4163262	.657936
ereri_intref	.0016369	.00547	0.30	0.765	-.009084	.0123579
ereri_intmed	.0229844	.0078648	2.92	0.003	.0075697	.0383991
ereri_pie	.0082415	.00313	2.63	0.008	.0021068	.0143762

Warning: this analysis assumes a rare outcome.

Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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	=	1.30e+09
	avg	=	3.31e+09
	max	=	7.29e+09

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.4595841	.0431558	10.65	0.000	.3750002	.544168
ereri_cde	.4412541	.0422259	10.45	0.000	.3584928	.5240154
ereri_intref	-.0015519	.0034798	-0.45	0.656	-.0083722	.0052685
ereri_intmed	.0137712	.0044423	3.10	0.002	.0050645	.0224779
ereri_pie	.0061107	.0023974	2.55	0.011	.0014119	.0108095

Warning: this analysis assumes a rare outcome.

Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5

> 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	=	1.29e+09
	avg	=	3.70e+09
	max	=	6.84e+09

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.5130262	.0465986	11.01	0.000	.4216947	.6043578
ereri_cde	.4884735	.045698	10.69	0.000	.3989071	.5780398
ereri_intref	-.0020449	.0037046	-0.55	0.581	-.0093057	.005216
ereri_intmed	.0191341	.0055133	3.47	0.001	.0083283	.02994
ereri_pie	.0074635	.0028207	2.65	0.008	.001935	.0129921

72 .

73 .

74 .

75 . *****NHW*****

76 . capture drop zpoorsleep_2006

77 . capture drop zpoorsleepalt_2006

78 . capture drop zlnhurd_odds

79 . capture drop zlnexpert_odds

80 . capture drop zlnlasso_odds

81 . 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 because

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)

```

```
82 .
```

```
83 . 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

```

```
84 .
```

```
85 .
```

```
86 .
```

```
87 .
```

```
88 .
```

```
89 . foreach x of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
```

```

    2. mi estimate, cmdok esampvaryok: med4way `x' zpoorsleep_2006 AGE2006 SEX NonWhite educationg* totwealth_2006
    > g* 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 educationg5
> 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 educationg5
> 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 educationg5
```

```
> 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         =         0.0001
                                     Largest FMI         =         0.0003
DF adjustment:  Large sample          DF:      min      =        4.03e+07
                                     avg                  =        4.08e+09
                                     max                  =        1.88e+10
```

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.5271601	.0536675	9.82	0.000	.4219737	.6323465
ereri_cde	.4879399	.0514341	9.49	0.000	.387131	.5887488
ereri_intref	.0163363	.0065733	2.49	0.013	.0034529	.0292197
ereri_intmed	.0183595	.0061416	2.99	0.003	.0063222	.0303969
ereri_pie	.0045244	.0019982	2.26	0.024	.0006079	.0084408

```
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         =         0.0001
                                     Largest FMI         =         0.0004
DF adjustment:  Large sample          DF:      min      =        3.09e+07
                                     avg                  =        1.60e+09
                                     max                  =        3.60e+09
```

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.433347	.0374219	11.58	0.000	.3600014	.5066927
ereri_cde	.4063941	.0363882	11.17	0.000	.3350744	.4777137
ereri_intref	.0091009	.0038777	2.35	0.019	.0015008	.0167011
ereri_intmed	.0137915	.0038048	3.62	0.000	.0063342	.0212489
ereri_pie	.0040605	.001876	2.16	0.030	.0003837	.0077374

Warning: this analysis assumes a rare outcome.

Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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	=	0.0001
	Largest FMI	=	0.0003
DF adjustment: Large sample	DF: min	=	6.35e+07
	avg	=	1.33e+09
	max	=	5.08e+09

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.4740054	.0390999	12.12	0.000	.397371	.5506399
ereri_cde	.4424474	.0380584	11.63	0.000	.3678543	.5170404
ereri_intref	.0107851	.0043751	2.47	0.014	.0022102	.0193601
ereri_intmed	.0162945	.0043092	3.78	0.000	.0078487	.0247402
ereri_pie	.0044785	.0020082	2.23	0.026	.0005425	.0084145

90 .
91 .
92 .

93 . *****SENSITIVITY ANALYSIS*****

94 .

95 . foreach x of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
 2. mi estimate, cmdok esampvaryok: med4way `x' zpoorsleepalt_2006 AGE2006 SEX NonWhite educationg* totwealth_2006g* 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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	=	0.0001
	Largest FMI	=	0.0003
DF adjustment: Large sample	DF: min	=	4.00e+07
	avg	=	7.88e+09
	max	=	3.75e+10

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.527986	.05374	9.82	0.000	.4226576	.6333144
ereri_cde	.4827975	.0511969	9.43	0.000	.3824534	.5831417
ereri_intref	.0192717	.0071537	2.69	0.007	.0052507	.0332928
ereri_intmed	.0203573	.0064565	3.15	0.002	.0077027	.0330119
ereri_pie	.0055594	.0022126	2.51	0.012	.0012229	.009896

Warning: this analysis assumes a rare outcome.

Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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	=	0.0001
	Largest FMI	=	0.0004
DF adjustment: Large sample	DF: min	=	3.20e+07
	avg	=	3.39e+09
	max	=	1.13e+10

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.4322272	.0373799	11.56	0.000	.3589639	.5054905
ereri_cde	.4029048	.0362711	11.11	0.000	.3318147	.4739949
ereri_intref	.0106974	.0041516	2.58	0.010	.0025604	.0188344
ereri_intmed	.0139085	.0038493	3.61	0.000	.006364	.0214531
ereri_pie	.0047164	.0019462	2.42	0.015	.0009019	.008531

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	=	0.0001
	Largest FMI	=	0.0002
DF adjustment: Large sample	DF: min	=	6.44e+07
	avg	=	4.72e+09
	max	=	2.20e+10

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.4726754	.0390318	12.11	0.000	.3961745	.5491763
ereri_cde	.437541	.0379072	11.54	0.000	.3632442	.5118378
ereri_intref	.0127758	.0047307	2.70	0.007	.0035038	.0220478
ereri_intmed	.0170126	.0044407	3.83	0.000	.008309	.0257161
ereri_pie	.0053461	.0021258	2.51	0.012	.0011796	.0095125

```

96 .
97 .
98 .
99 . *****Non-White*****
100 . capture drop zpoorsleep_2006

101 . capture drop zpoorsleepalt_2006

102 . capture drop zlnhurd_odds

103 . capture drop zlnexpert_odds

104 . capture drop zlnlasso_odds

105 . 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 because
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)
```

```
106 .
```

```
107 . 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
```

```
108 .
```

```
109 .
```

```
110 .
```

```
111 .
```

```
112 . foreach x of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
```

```
> 2. mi estimate, cmdok esampvaryok: med4way `x' zpoorsleep_2006 AGE2006 SEX NonWhite educationg* totwealth_2006
```

```
> g* 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 = 0.0010
```

```
DF adjustment: Large sample
```

```
DF: min = 3878688.51
```

```
avg = 1.36e+10
```

```
max = 6.80e+10
```


	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.410282	.1057925	3.88	0.000	.2029326	.6176314
ereri_cde	.3785128	.1020466	3.71	0.000	.1785052	.5785205
ereri_intref	.0196343	.0169435	1.16	0.247	-.0135745	.0528431
ereri_intmed	.0060521	.0073782	0.82	0.412	-.0084088	.020513
ereri_pie	.0060828	.0065186	0.93	0.351	-.0066934	.018859

Warning: this analysis assumes a rare outcome.

Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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	=	0.0023
DF adjustment: Large sample	DF: min	=	776,691.35
	avg	=	2.52e+10
	max	=	1.25e+11

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.2258871	.0617193	3.66	0.000	.1049195	.3468547
ereri_cde	.2152519	.0596627	3.61	0.000	.0983151	.3321886
ereri_intref	.0092654	.0096552	0.96	0.337	-.0096584	.0281893
ereri_intmed	.0004221	.0020471	0.21	0.837	-.0035902	.0044345
ereri_pie	.0009477	.0045315	0.21	0.834	-.0079339	.0098293

Warning: this analysis assumes a rare outcome.

Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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	=	0.0002
	Largest FMI	=	0.0009
DF adjustment: Large sample	DF: min	=	5031936.31
	avg	=	1.06e+11
	max	=	5.29e+11

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.3393887	.0751117	4.52	0.000	.1921724	.4866051
ereri_cde	.3280985	.0736025	4.46	0.000	.1838403	.4723568
ereri_intref	.0059125	.0108579	0.54	0.586	-.0153685	.0271935
ereri_intmed	.0013321	.0025211	0.53	0.597	-.0036092	.0062734
ereri_pie	.0040456	.0056021	0.72	0.470	-.0069343	.0150256

113 .

114 .

115 .

116 . *****SENSITIVITY ANALYSIS*****

117 .

118 . foreach x of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {

2. mi estimate, cmdok esampvaryok: med4way `x' zpoorsleepalt_2006 AGE2006 SEX NonWhite educationg* totwealth_

> 006g* 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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 educationg5

> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3

> 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	=	0.0004
	Largest FMI	=	0.0010
DF adjustment: Large sample	DF: min	=	3659635.54
	avg	=	8.92e+09
	max	=	4.45e+10

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.4107362	.1057516	3.88	0.000	.2034669	.6180056
ereri_cde	.3825567	.1022728	3.74	0.000	.1821058	.5830077
ereri_intref	.015644	.0143724	1.09	0.276	-.0125254	.0438134
ereri_intmed	.0061412	.0073845	0.83	0.406	-.0083321	.0206145
ereri_pie	.0063943	.0067089	0.95	0.341	-.0067549	.0195434

Warning: this analysis assumes a rare outcome.

Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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	=	0.0023
DF adjustment: Large sample	DF: min	=	736,653.95
	avg	=	1.70e+10
	max	=	8.06e+10

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.2267244	.0617054	3.67	0.000	.105784	.3476649
ereri_cde	.2179709	.0598896	3.64	0.000	.1005894	.3353524
ereri_intref	.0077981	.0082535	0.94	0.345	-.0083785	.0239748
ereri_intmed	.0002961	.0021035	0.14	0.888	-.0038267	.0044188
ereri_pie	.0006594	.0046543	0.14	0.887	-.0084629	.0097817

Warning: this analysis assumes a rare outcome.

Warning: fixed values for the covariates AGE2006 SEX NonWhite educationg1 educationg2 educationg3 educationg4 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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 educationg5
> 6g1 smoking_2006g2 smoking_2006g3 physic_act_2006g1 physic_act_2006g2 physic_act_2006g3 srh_2006g1 srh_2006g2 srh_2006g3
> 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	=	4758645.64
	avg	=	7.06e+10
	max	=	3.53e+11

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.3400088	.0751285	4.53	0.000	.1927597	.4872579
ereri_cde	.3295654	.0736675	4.47	0.000	.1851797	.4739511
ereri_intref	.0044248	.0090454	0.49	0.625	-.0133038	.0221535
ereri_intmed	.0014626	.0026447	0.55	0.580	-.0037209	.0066462
ereri_pie	.004556	.00579	0.79	0.431	-.0067921	.0159041

119 .

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 . capture log close