```
 1 .
 2 .
 3 . **STEP 17: TABLE 3: MED4WAY FOR foodinsecurity AS EXPOSURE, DIFFERENT PROBABILITIES OF DEMENTIA AS MEDIATORS, A
   > **
 4 .
 5 . **COVARIATES: NonWhite AGE2012 SEX  i.education  i.totwealth_2012 marital_2012 work_st_2012 i.smoking_2012 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))
   (system variable _mi_id updated because of changed number of obs)
   m=0:
   (35,574 missing values generated)
   m=1:
   (35,574 missing values generated)
   m=2:
   (35,574 missing values generated)
   m=3:
   (35,574 missing values generated)
   m=4:
   (35,574 missing values generated)
   m=5:
   (35,574 missing values generated)

13 .
14 . capture drop lnexpert_odds

15 . mi passive: gen lnexpert_odds=ln((expert_p)/(1-expert_p))
   m=0:
   (35,573 missing values generated)
   m=1:
   (35,573 missing values generated)
   m=2:
   (35,573 missing values generated)
   m=3:
   (35,573 missing values generated)
   m=4:
   (35,573 missing values generated)
   m=5:
   (35,573 missing values generated)

16 .
17 .
18 . capture drop lnlasso_odds
```

```
19 . mi passive: gen lnlasso_odds=ln((lasso_p)/(1-lasso_p))
   m=0:
   (36,047 missing values generated)
   m=1:
   (36,047 missing values generated)
   m=2:
   (36,047 missing values generated)
   m=3:
   (36,047 missing values generated)
   m=4:
   (36,047 missing values generated)
   m=5:
   (36,047 missing values generated)

20 .
21 .
22 . capture drop Men

23 . mi passive: gen Men=1 if SEX==1 & sample_final==1
   m=0:
   (42,180 missing values generated)
   m=1:
   (42,180 missing values generated)
   m=2:
   (42,180 missing values generated)
   m=3:
   (42,180 missing values generated)
   m=4:
   (42,180 missing values generated)
   m=5:
   (42,180 missing values generated)

24 . mi passive: replace Men=0 if Men~=1 & SEX~=. & sample_final==1
   m=0:
   (1,692 real changes made)
   m=1:
   (1,692 real changes made)
   m=2:
   (1,692 real changes made)
   m=3:
   (1,692 real changes made)
   m=4:
   (1,692 real changes made)
   m=5:
   (1,692 real changes made)

25 .
26 . capture drop Women

27 . mi passive: gen Women=1 if SEX==2 & sample_final==1
   m=0:
   (41,690 missing values generated)
   m=1:
   (41,690 missing values generated)
   m=2:
   (41,690 missing values generated)
   m=3:
   (41,690 missing values generated)
   m=4:
   (41,690 missing values generated)
   m=5:
   (41,690 missing values generated)
```

```
28 . mi passive: replace Women=0 if Women~=1 & SEX~=. & sample_final==1
   m=0:
   (1,202 real changes made)
   m=1:
   (1,202 real changes made)
   m=2:
   (1,202 real changes made)
   m=3:
   (1,202 real changes made)
   m=4:
   (1,202 real changes made)
   m=5:
   (1,202 real changes made)

29 .
30 . capture drop NHW

31 . mi passive: gen NHW=1 if RACE_ETHN==1 & sample_final==1
   m=0:
   (41,015 missing values generated)
   m=1:
   (41,015 missing values generated)
   m=2:
   (41,015 missing values generated)
   m=3:
   (41,015 missing values generated)
   m=4:
   (41,015 missing values generated)
   m=5:
   (41,015 missing values generated)

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

33 .
34 . capture drop NHB

35 . mi passive: gen NHB=1 if RACE_ETHN==2 & sample_final==1
   m=0:
   (43,049 missing values generated)
   m=1:
   (43,049 missing values generated)
   m=2:
   (43,049 missing values generated)
   m=3:
   (43,049 missing values generated)
   m=4:
   (43,049 missing values generated)
   m=5:
   (43,049 missing values generated)
```

```
36 . mi passive: replace NHB=0 if NHB~=1 & RACE_ETHN~=. & sample_final==1
   m=0:
   (2,561 real changes made)
   m=1:
   (2,561 real changes made)
   m=2:
   (2,561 real changes made)
   m=3:
   (2,561 real changes made)
   m=4:
   (2,561 real changes made)
   m=5:
   (2,561 real changes made)

37 .
38 .
39 . capture drop HISP

40 . mi passive: gen HISP=1 if RACE_ETHN==3 & sample_final==1
   m=0:
   (43,188 missing values generated)
   m=1:
   (43,188 missing values generated)
   m=2:
   (43,188 missing values generated)
   m=3:
   (43,188 missing values generated)
   m=4:
   (43,188 missing values generated)
   m=5:
   (43,188 missing values generated)

41 . mi passive: replace HISP=0 if HISP~=1 & RACE_ETHN~=. & sample_final==1
   m=0:
   (2,700 real changes made)
   m=1:
   (2,700 real changes made)
   m=2:
   (2,700 real changes made)
   m=3:
   (2,700 real changes made)
   m=4:
   (2,700 real changes made)
   m=5:
   (2,700 real changes made)

42 .
43 .
44 . capture drop OTHER

45 . mi passive: gen OTHER=1 if RACE_ETHN==4 & sample_final==1
   m=0:
   (43,382 missing values generated)
   m=1:
   (43,382 missing values generated)
   m=2:
   (43,382 missing values generated)
   m=3:
   (43,382 missing values generated)
   m=4:
   (43,382 missing values generated)
   m=5:
   (43,382 missing values generated)
```

```
46 . mi passive: replace OTHER=0 if OTHER~=1 & RACE_ETHN~=. & sample_final==1
   m=0:
   (2,894 real changes made)
   m=1:
   (2,894 real changes made)
   m=2:
   (2,894 real changes made)
   m=3:
   (2,894 real changes made)
   m=4:
   (2,894 real changes made)
   m=5:
   (2,894 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:
   (41,015 missing values generated)
   m=1:
   (41,015 missing values generated)
   m=2:
   (41,015 missing values generated)
   m=3:
   (41,015 missing values generated)
   m=4:
   (41,015 missing values generated)
   m=5:
   (41,015 missing values generated)

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

52 .
53 . save, replace
   (file C:\Users\baydounm\AppData\Local\Temp\ST_f14_000002.tmp not found)
   file C:\Users\baydounm\AppData\Local\Temp\ST_f14_000002.tmp saved as .dta format
```

```
54 .
55 . capture mi stset ageevent [pweight = HCNSWGTR_NT] if sample_final==1, failure(died==1) enter(AGE2012) origin(AG

56 .
57 . capture drop educationg* totalwealth_2012g* marital_2012g* smoking_2012g* physic_act_2012g* srh_2012g* bmibr_20

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

education	Freq.	Percent	Cum.
1	**64,154**	**25.44**	**25.44**
2	**12,361**	**4.90**	**30.34**
3	**70,895**	**28.11**	**58.45**
4	**56,429**	**22.37**	**80.82**
5	**48,374**	**19.18**	**100.00**
Total	**252,213**	**100.00**	

```
60 .
61 . tab totwealth_2012, generate(totalwealth_2012g)
```

totwealth_2012	Freq.	Percent	Cum.
1	**41,232**	**33.67**	**33.67**
2	**66,360**	**54.19**	**87.87**
3	**12,366**	**10.10**	**97.97**
4	**1,926**	**1.57**	**99.54**
5	**564**	**0.46**	**100.00**
Total	**122,448**	**100.00**	

```
62 .
63 . tab marital_2012, generate(marital_2012g)
```

marital_2012	Freq.	Percent	Cum.
1	**6,003**	**4.90**	**4.90**
2	**77,888**	**63.62**	**68.52**
3	**16,692**	**13.63**	**82.16**
4	**21,844**	**17.84**	**100.00**
Total	**122,427**	**100.00**	

```
64 .
65 . tab smoking_2012, generate(smoking_2012g)
```

smoking_2012	Freq.	Percent	Cum.
1	**53,691**	**43.93**	**43.93**
2	**50,869**	**41.62**	**85.54**
3	**17,670**	**14.46**	**100.00**
Total	**122,230**	**100.00**	

```
66 .
67 . tab physic_act_2012, generate(physic_act_2012g)
```

physic_act_2012	Freq.	Percent	Cum.
1	**25,940**	**21.19**	**21.19**
2	**32,504**	**26.56**	**47.75**
3	**63,944**	**52.25**	**100.00**
Total	**122,388**	**100.00**	

```
68 .
69 . tab alcohol_2012, generate(alcohol_2012g)
```

alcohol_2012	Freq.	Percent	Cum.
1	**58,568**	**48.41**	**48.41**
2	**21,481**	**17.75**	**66.16**
3	**26,248**	**21.69**	**87.86**
4	**14,693**	**12.14**	**100.00**
Total	**120,990**	**100.00**	

```
70 .
71 . tab srh_2012, generate(srh_2012g)
```

srh_2012	Freq.	Percent	Cum.
1	**86,492**	**70.65**	**70.65**
2	**35,925**	**29.35**	**100.00**
Total	**122,417**	**100.00**	

```
72 .
73 . tab bmibr_2012, generate(bmibr_2012g)
```

bmibr_2012	Freq.	Percent	Cum.
1	**35,835**	**29.36**	**29.36**
2	**44,042**	**36.08**	**65.44**
3	**42,178**	**34.56**	**100.00**
Total	**122,055**	**100.00**	

```
74 .
75 . tab cardiometcondbr_2012, generate(cardiometcondbr_2012g)
```

cardiometcondbr_2012	Freq.	Percent	Cum.
1	**37,506**	**30.63**	**30.63**
2	**72,018**	**58.82**	**89.45**
3	**12,924**	**10.55**	**100.00**
Total	**122,448**	**100.00**	

```
 76 .
 77 . save, replace
    (file C:\Users\baydounm\AppData\Local\Temp\ST_f14_000002.tmp not found)
    file C:\Users\baydounm\AppData\Local\Temp\ST_f14_000002.tmp saved as .dta format

 78 .
 79 . ***************************TABLE 4: MODEL 2*********************************
 80 .
 81 . ****************************OVERALL*****************************
 82 .
 83 . capture drop zlnhurd_odds

 84 . capture drop zlnexpert_odds

 85 . capture drop zlnlasso_odds

 86 . capture drop zcesd_2012

 87 . capture drop zhei2015_total_score

 88 . foreach x of varlist  lnhurd_odds lnexpert_odds lnlasso_odds cesd_2012 hei2015_total_score {
      2.         mi passive: egen z`x'=std(`x') if sample_final==1
      3. }
    m=0:
    (40,488 missing values generated)
    file C:\Users\baydounm\AppData\Local\Temp\ST_f14_000002.tmp already exists
    r(602);

    end of do-file

    r(602);

 89 . do "C:\Users\baydounm\AppData\Local\Temp\STDf14_000000.tmp"

 90 .
 91 . ***************************TABLE 4: MODEL 2*********************************
 92 .
 93 . ****************************OVERALL*****************************
 94 .
 95 . capture drop zlnhurd_odds

 96 . capture drop zlnexpert_odds

 97 . capture drop zlnlasso_odds

 98 . capture drop zcesd_2012

 99 . capture drop zhei2015_total_score

100 . foreach x of varlist  lnhurd_odds lnexpert_odds lnlasso_odds cesd_2012 hei2015_total_score {
      2.         mi passive: egen z`x'=std(`x') if sample_final==1
      3. }
    m=0:
    (40,488 missing values generated)
    m=1:
    (40,488 missing values generated)
    m=2:
    (40,488 missing values generated)
    m=3:
    (40,488 missing values generated)
    m=4:
    (40,488 missing values generated)
    m=5:
```

```
(40,488 missing values generated)
m=0:
(40,488 missing values generated)
m=1:
(40,488 missing values generated)
m=2:
(40,488 missing values generated)
m=3:
(40,488 missing values generated)
m=4:
(40,488 missing values generated)
m=5:
(40,488 missing values generated)
m=0:
(40,488 missing values generated)
m=1:
(40,488 missing values generated)
m=2:
(40,488 missing values generated)
m=3:
(40,488 missing values generated)
m=4:
(40,488 missing values generated)
m=5:
(40,488 missing values generated)
m=0:
(40,570 missing values generated)
m=1:
(40,570 missing values generated)
m=2:
(40,570 missing values generated)
m=3:
(40,570 missing values generated)
m=4:
(40,570 missing values generated)
m=5:
(40,570 missing values generated)
m=0:
(40,488 missing values generated)
m=1:
(40,488 missing values generated)
m=2:
(40,488 missing values generated)
m=3:
(40,488 missing values generated)
m=4:
(40,488 missing values generated)
m=5:
(40,488 missing values generated)

101 .
```

```
102 . save, replace
    (file C:\Users\baydounm\AppData\Local\Temp\ST_f14_000002.tmp not found)
    file C:\Users\baydounm\AppData\Local\Temp\ST_f14_000002.tmp saved as .dta format

103 .
104 . foreach m of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
      2. mi estimate, cmdok esampvaryok: med4way foodinsecurity_totbr `m' AGE2012 SEX NonWhite  educationg* totwealth
    > cardiometcondbr_2012g* zcesd_2012 zhei2015_total_score if sample_final==1 , a0(0) a1(1) m(0) yreg(cox) mreg(lin
      3. }
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
    > g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
    type mismatch:  exp.exp:  transmorphic found where struct expected
    r(3000);

    end of do-file

    r(3000);

105 . do "C:\Users\baydounm\AppData\Local\Temp\STDf14_000000.tmp"

106 . foreach m of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
      2. mi estimate, cmdok esampvaryok: med4way foodinsecurity_totbr `m' AGE2012 SEX NonWhite  educationg* totwealth
    > cardiometcondbr_2012g* zcesd_2012 zhei2015_total_score if sample_final==1 , a0(0) a1(1) m(0) yreg(cox) mreg(lin
      3. }
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
    > g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
    > g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
    > g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
    > g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
    > 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
    > g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no

    Multiple-imputation estimates                   Imputations       =          5
                                                    Number of obs     =      2,812
                                                    Average RVI       =     0.0009
                                                    Largest FMI       =     0.0012
    DF adjustment:   Large sample                   DF:     min       = 2916603.87
                                                            avg       =   1.44e+08
                                                            max       =   4.63e+08
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.2695781	.1056215	-2.55	0.011	-.4765925	-.0625637
ereri_cde	-.2591741	.1073758	-2.41	0.016	-.469627	-.0487213
ereri_intref	-.0136059	.0056671	-2.40	0.016	-.0247132	-.0024986
ereri_intmed	-.013969	.0144967	-0.96	0.335	-.0423821	.014444
ereri_pie	.017171	.0166644	1.03	0.303	-.0154907	.0498326

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no

```
Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =      2,812
                                                Average RVI       =     0.0008
                                                Largest FMI       =     0.0013
DF adjustment:   Large sample                   DF:     min       = 2265986.38
                                                        avg       =   1.93e+08
                                                        max       =   7.29e+08
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.2442122	.1101098	-2.22	0.027	-.4600236	-.0284008
ereri_cde	-.2164587	.1135228	-1.91	0.057	-.4389594	.006042
ereri_intref	-.0332531	.0106179	-3.13	0.002	-.0540639	-.0124424
ereri_intmed	-.0122774	.0164128	-0.75	0.454	-.0444458	.019891
ereri_pie	.017777	.0231842	0.77	0.443	-.0276632	.0632172

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no

```
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no

Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =      2,812
                                                Average RVI       =     0.0009
                                                Largest FMI       =     0.0011
DF adjustment:   Large sample                   DF:     min       = 3545663.74
                                                        avg       = 8154628.72
                                                        max       =   1.58e+07
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.2652811	.1058675	-2.51	0.012	-.4727776	-.0577846
ereri_cde	-.2404621	.1083329	-2.22	0.026	-.4527907	-.0281335
ereri_intref	-.0278741	.0095201	-2.93	0.003	-.0465332	-.0092149
ereri_intmed	-.0061194	.0150643	-0.41	0.685	-.0356449	.0234062
ereri_pie	.0091744	.0224038	0.41	0.682	-.0347363	.0530851

```
107 .
108 .
109 .
110 . ****************************MEN******************************
111 .
112 .
113 . foreach m of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
  2. mi estimate, cmdok esampvaryok: med4way foodinsecurity_totbr `m' AGE2012 SEX NonWhite  educationg* totwealth
> ardiometcondbr_2012g* zcesd_2012 zhei2015_total_score 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 AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no

Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =      1,152
                                                Average RVI       =     0.0019
                                                Largest FMI       =     0.0036
DF adjustment:   Large sample                   DF:     min       = 315,886.88
                                                        avg       =   1.60e+07
                                                        max       =   4.83e+07
```

	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
tereri	-.1236654	.192429	-0.64	0.520	-.5008205	.2534897
ereri_cde	-.0539175	.1944599	-0.28	0.782	-.4350532	.3272183
ereri_intref	-.0688197	.0223978	-3.07	0.002	-.1127188	-.0249206
ereri_intmed	-.0098052	.045284	-0.22	0.829	-.0985602	.0789498
ereri_pie	.0088769	.0408914	0.22	0.828	-.0712687	.0890225

```
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
```

```
Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =      1,152
                                                Average RVI       =     0.0014
                                                Largest FMI       =     0.0036
DF adjustment:   Large sample                   DF:     min       = 311,151.92
                                                        avg       = 8708109.05
                                                        max       =   2.13e+07
```

	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
tereri	-.1417196	.1890923	-0.75	0.454	-.5123351	.2288958
ereri_cde	-.0924648	.1912242	-0.48	0.629	-.4672589	.2823293
ereri_intref	-.0492871	.0186794	-2.64	0.008	-.0858982	-.012676
ereri_intmed	-.0005237	.035608	-0.01	0.988	-.0703141	.0692668
ereri_pie	.0005559	.0380577	0.01	0.988	-.0740359	.0751477

```
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
```

```
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no

Multiple-imputation estimates                    Imputations       =          5
                                                 Number of obs     =      1,152
                                                 Average RVI       =     0.0014
                                                 Largest FMI       =     0.0036
DF adjustment:   Large sample                    DF:     min       = 314,362.09
                                                         avg       =   1.02e+07
                                                         max       =   3.05e+07
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.1761515	.1789793	-0.98	0.325	-.5269455	.1746425
ereri_cde	-.1521312	.1779246	-0.86	0.393	-.5008584	.196596
ereri_intref	-.0211543	.0165907	-1.28	0.202	-.0536714	.0113629
ereri_intmed	.0118217	.0327192	0.36	0.718	-.0523068	.0759503
ereri_pie	-.0146877	.0400825	-0.37	0.714	-.093248	.0638727

```
114 .
115 .
116 . ****************************WOMEN*******************************
117 .
118 . foreach m of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
  2. mi estimate, cmdok esampvaryok: med4way foodinsecurity_totbr `m' AGE2012 SEX NonWhite  educationg* totwealth
> ardiometcondbr_2012g* zcesd_2012 zhei2015_total_score 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 AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no

Multiple-imputation estimates                    Imputations       =          5
                                                 Number of obs     =      1,660
                                                 Average RVI       =     0.0002
                                                 Largest FMI       =     0.0002
DF adjustment:   Large sample                    DF:     min       =   1.42e+08
                                                         avg       =   7.07e+08
                                                         max       =   2.63e+09
```

	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
tereri	-.329122	.1300724	-2.53	0.011	-.5840592	-.0741848
ereri_cde	-.3350452	.1330621	-2.52	0.012	-.5958421	-.0742484
ereri_intref	-.0026569	.0054424	-0.49	0.625	-.0133238	.0080101
ereri_intmed	-.0109355	.0132765	-0.82	0.410	-.036957	.015086
ereri_pie	.0195156	.0201126	0.97	0.332	-.0199044	.0589356

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no

Multiple-imputation estimates Imputations = **5**
Number of obs = **1,660**
Average RVI = **0.0003**
Largest FMI = **0.0002**
DF adjustment: **Large sample** DF: min = **9.62e+07**
avg = **2.58e+08**
max = **7.20e+08**

	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
tereri	-.3002753	.1384538	-2.17	0.030	-.5716398	-.0289108
ereri_cde	-.2904483	.1430856	-2.03	0.042	-.5708909	-.0100056
ereri_intref	-.0206588	.0131666	-1.57	0.117	-.0464649	.0051472
ereri_intmed	-.013881	.0171942	-0.81	0.419	-.0475811	.019819
ereri_pie	.0247128	.0288609	0.86	0.392	-.0318535	.081279

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no

```
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no

Multiple-imputation estimates                  Imputations       =          5
                                               Number of obs     =      1,660
                                               Average RVI       =     0.0004
                                               Largest FMI       =     0.0002
DF adjustment:   Large sample                  DF:     min       =   6.74e+07
                                                       avg       =   2.86e+08
                                                       max       =   7.77e+08
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.3175377	.1337604	-2.37	0.018	-.5797031	-.0553722
ereri_cde	-.2992644	.1379949	-2.17	0.030	-.5697294	-.0287994
ereri_intref	-.0267566	.0148739	-1.80	0.072	-.0559088	.0023957
ereri_intmed	-.0112879	.0161148	-0.70	0.484	-.0428723	.0202965
ereri_pie	.0197712	.0270137	0.73	0.464	-.0331747	.0727171

```
119 .
120 .
121 . **************************NHW*****************************************
122 .
123 .
124 . foreach m of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
  2. mi estimate, cmdok esampvaryok: med4way foodinsecurity_totbr `m' AGE2012 SEX NonWhite  educationg* totwealth
> ardiometcondbr_2012g* zcesd_2012 zhei2015_total_score 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 AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no

Multiple-imputation estimates                  Imputations       =          5
                                               Number of obs     =      2,309
                                               Average RVI       =     0.0005
                                               Largest FMI       =     0.0010
DF adjustment:   Large sample                  DF:     min       = 4199026.28
                                                       avg       =   2.55e+08
                                                       max       =   7.63e+08
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	**-.2910425**	**.1258658**	**-2.31**	**0.021**	**-.5377351**	**-.0443499**
ereri_cde	**-.295405**	**.1219006**	**-2.42**	**0.015**	**-.5343259**	**-.0564841**
ereri_intref	**.0048204**	**.0148505**	**0.32**	**0.745**	**-.0242861**	**.033927**
ereri_intmed	**-.006629**	**.0219764**	**-0.30**	**0.763**	**-.049702**	**.036444**
ereri_pie	**.0061711**	**.0203536**	**0.30**	**0.762**	**-.0337213**	**.0460635**

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no

Multiple-imputation estimates	Imputations		=	**5**
	Number of obs		=	**2,309**
	Average RVI		=	**0.0005**
	Largest FMI		=	**0.0010**
DF adjustment: **Large sample**	DF:	min	=	**3744784.80**
		avg	=	**5.68e+07**
		max	=	**1.74e+08**

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	**-.2565085**	**.131851**	**-1.95**	**0.052**	**-.5149317**	**.0019148**
ereri_cde	**-.2457209**	**.1317116**	**-1.87**	**0.062**	**-.503871**	**.0124291**
ereri_intref	**-.0125106**	**.0118076**	**-1.06**	**0.289**	**-.0356531**	**.0106318**
ereri_intmed	**-.0156249**	**.0254425**	**-0.61**	**0.539**	**-.0654913**	**.0342415**
ereri_pie	**.017348**	**.0278624**	**0.62**	**0.534**	**-.0372614**	**.0719574**

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no

```
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no

Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =      2,309
                                                Average RVI       =     0.0005
                                                Largest FMI       =     0.0009
DF adjustment:   Large sample                   DF:     min       = 4626160.82
                                                        avg       =   2.31e+07
                                                        max       =   5.16e+07
```

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	-.2846712	.1262031	-2.26	0.024	-.5320248	-.0373176
ereri_cde	-.2703605	.1255481	-2.15	0.031	-.5164303	-.0242907
ereri_intref	-.0138972	.0101146	-1.37	0.169	-.0337215	.0059271
ereri_intmed	.0022728	.0230921	0.10	0.922	-.0429869	.0475325
ereri_pie	-.0026863	.0272959	-0.10	0.922	-.0561853	.0508126

```
125 .
126 .
127 .
128 . ***************************Non-White*************************************
129 .
130 . foreach m of varlist zlnhurd_odds zlnexpert_odds zlnlasso_odds {
  2. mi estimate, cmdok esampvaryok: med4way foodinsecurity_totbr `m' AGE2012 SEX NonWhite  educationg* totwealth
> ardiometcondbr_2012g* zcesd_2012 zhei2015_total_score 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 AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no

Multiple-imputation estimates                   Imputations       =          5
                                                Number of obs     =        503
                                                Average RVI       =     0.0008
                                                Largest FMI       =     0.0010
DF adjustment:   Large sample                   DF:     min       = 4341890.93
                                                        avg       =   2.54e+07
                                                        max       =   7.61e+07
```

	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
tereri	-.2121221	.2004056	-1.06	0.290	-.60491	.1806657
ereri_cde	-.1955048	.2128788	-0.92	0.358	-.6127398	.2217301
ereri_intref	-.0442586	.0763033	-0.58	0.562	-.1938104	.1052931
ereri_intmed	-.0133132	.0233942	-0.57	0.569	-.059165	.0325386
ereri_pie	.0409545	.042261	0.97	0.333	-.0418755	.1237845

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no

```
Multiple-imputation estimates                Imputations     =          5
                                             Number of obs   =        503
                                             Average RVI     =     0.0005
                                             Largest FMI     =     0.0010
DF adjustment:   Large sample                DF:     min     = 3887413.82
                                                     avg     =   3.23e+07
                                                     max     =   1.04e+08
```

	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
tereri	-.2213902	.1980725	-1.12	0.264	-.6096052	.1668247
ereri_cde	-.188808	.2062725	-0.92	0.360	-.5930949	.2154788
ereri_intref	-.0386859	.0916132	-0.42	0.673	-.2182445	.1408726
ereri_intmed	-.0017686	.0115383	-0.15	0.878	-.0243833	.0208461
ereri_pie	.0078723	.0494591	0.16	0.874	-.0890657	.1048104

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no

Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates AGE2012 SEX NonWhite educationg1 educationg2 educationg3 educationg4 edu
> 2g1 smoking_2012g2 smoking_2012g3 alcohol_2012g1 alcohol_2012g2 alcohol_2012g3 alcohol_2012g4 physic_act_2012g1
> g3 cardiometcondbr_2012g1 cardiometcondbr_2012g2 cardiometcondbr_2012g3 zcesd_2012 zhei2015_total_score were no

Multiple-imputation estimates — Imputations = **5**
Number of obs = **503**
Average RVI = **0.0018**
Largest FMI = **0.0017**
DF adjustment: **Large sample** — DF: min = **1339029.25**
avg = **1.21e+07**
max = **4.22e+07**

	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
tereri	**-.2270795**	**.1980673**	**-1.15**	**0.252**	**-.6152844**	**.1611253**
ereri_cde	**-.1887381**	**.2047714**	**-0.92**	**0.357**	**-.5900828**	**.2126067**
ereri_intref	**-.0530081**	**.066591**	**-0.80**	**0.426**	**-.1835241**	**.0775079**
ereri_intmed	**-.0082921**	**.018184**	**-0.46**	**0.648**	**-.0439321**	**.027348**
ereri_pie	**.0229587**	**.0443849**	**0.52**	**0.605**	**-.064034**	**.1099515**

```
131 .
132 . save finaldata_imputed_FINAL, replace
    file finaldata_imputed_FINAL.dta saved

133 .
134 .
135 .
136 .
137 . capture log close
```