```
      name:  <unnamed>
       log:  E:\16GBBACKUPUSB\BACKUP_USB_SEPTEMBER2014\May Baydoun_folder\NHANES_NFL_MORTALITY_PAPER\OUTPUT\TABLE1.smcl
  log type:  smcl
 opened on:   2 Nov 2022, 07:35:03

 1 .
 2 .
 3 . ****************************STEP 13: MAIN ANALYSES*************************************************
 4 .
 5 . use finaldata_imputed,clear

 6 .
 7 .
 8 . *************************TABLE 1**********************************
 9 .
10 . mi svyset SDMVPSU [pweight=WTSSNH2Y], strata(SDMVSTRA) vce(linearized) singleunit(missing)

  Sampling weights: WTSSNH2Y
               VCE: linearized
       Single unit: missing
          Strata 1: SDMVSTRA
   Sampling unit 1: SDMVPSU
             FPC 1: <zero>

11 .
12 . **AGE SEX RACE_ETHN PIR MARRIED_LIVP HOUSEHOLDSIZE  EDUCATION SMOKE ALCOHOL DRUG_USER_EVER DR12TKCAL DASH_TOTAL_SCORE
   > inb12_serumsi
13 .
14 . **LNNFL  LNNFLMEDIAN
15 .
16 . **MORTSTAT
17 .
18 . **AGE_DEATH**
19 .
20 .
21 . *****************OVERALL************************
22 .
23 . mi estimate: svy, subpop(SAMPLE_FINAL): prop SEX

  Multiple-imputation estimates   Imputations     =            5
  Survey: Proportion estimation   Number of obs   =        2,085

  Number of strata  =        15   Population size =  212,496,041
  Number of PSUs    =        30   Subpop. no. obs =        2,071
                                  Subpop. size    =  212,496,041
                                  Average RVI     =       0.0000
                                  Largest FMI     =       0.0000
                                  Complete DF     =           15
  DF adjustment:   Small sample   DF:     min     =        13.33
                                          avg     =        13.33
  Within VCE type:   Linearized           max     =        13.33

------------------------------------------------------------------------------
             |                                                Normal
             | Proportion   Std. err.     [95% conf. interval]
-------------+----------------------------------------------------------------
         SEX |
           1 |   .4866936   .0088883      .4675403    .5058469
           2 |   .5133064   .0088883      .4941531    .5324597
------------------------------------------------------------------------------
```

```
24 . mi estimate: svy, subpop(SAMPLE_FINAL): mean AGE

Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        2,071
                                Subpop. size    =  212,496,041
                                Average RVI     =       0.0000
                                Largest FMI     =       0.0000
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33

------------------------------------------------------------------------------
             |       Mean   Std. err.     [95% conf. interval]
-------------+----------------------------------------------------------------
         AGE |   45.05399    .450228       44.0838    46.02419
------------------------------------------------------------------------------

25 . mi estimate: svy, subpop(SAMPLE_FINAL): prop RACE_ETHN

Multiple-imputation estimates   Imputations     =            5
Survey: Proportion estimation   Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        2,071
                                Subpop. size    =  212,496,041
                                Average RVI     =       0.0000
                                Largest FMI     =       0.0000
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33

------------------------------------------------------------------------------
             |                                                Normal
             | Proportion   Std. err.     [95% conf. interval]
-------------+----------------------------------------------------------------
    RACE_ETHN |
           0 |   .6494878    .036247      .5713793    .7275962
           1 |    .120454   .0157336      .0865499    .1543581
           2 |   .1533093   .0267259      .0957178    .2109008
           3 |    .076749   .0102838      .0545884    .0989096
------------------------------------------------------------------------------

26 . mi estimate: svy, subpop(SAMPLE_FINAL): prop MARRIED_LIVP

Multiple-imputation estimates   Imputations     =            5
Survey: Proportion estimation   Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        2,071
                                Subpop. size    =  212,496,041
                                Average RVI     =       0.0000
                                Largest FMI     =       0.0000
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33
```

	Proportion	Std. err.	Normal [95% conf.	interval]
MARRIED_LIVP				
1	.6489229	.0170708	.6121373	.6857085
2	.3510771	.0170708	.3142915	.3878627

27 . mi estimate: svy, subpop(SAMPLE_FINAL): mean HOUSEHOLDSIZE

Multiple-imputation estimates — Imputations = 5
Survey: Mean estimation — Number of obs = 2,085

Number of strata = 15 — Population size = 212,496,041
Number of PSUs = 30 — Subpop. no. obs = 2,071
Subpop. size = 212,496,041
Average RVI = 0.0000
Largest FMI = 0.0000
Complete DF = 15
DF adjustment: Small sample — DF: min = 13.33
avg = 13.33
Within VCE type: Linearized — max = 13.33

	Mean	Std. err.	[95% conf.	interval]
HOUSEHOLDSIZE	3.2096	.0696212	3.059574	3.359626

28 . mi estimate: svy, subpop(SAMPLE_FINAL): prop PIR

Multiple-imputation estimates — Imputations = 5
Survey: Proportion estimation — Number of obs = 2,085

Number of strata = 15 — Population size = 212,496,041
Number of PSUs = 30 — Subpop. no. obs = 2,071
Subpop. size = 212,496,041
Average RVI = 0.0677
Largest FMI = 0.0619
Complete DF = 15
DF adjustment: Small sample — DF: min = 12.67
avg = 13.06
Within VCE type: Linearized — max = 13.28

	Proportion	Std. err.	Normal [95% conf.	interval]
PIR				
1	.1815245	.023108	.1317094	.2313397
2	.1946754	.0129503	.1666228	.222728
3	.6238001	.0338441	.5508236	.6967765

```
29 . mi estimate: svy, subpop(SAMPLE_FINAL): prop EDUCATION

Multiple-imputation estimates   Imputations     =            5
Survey: Proportion estimation   Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        2,071
                                Subpop. size    =  212,496,041
                                Average RVI     =       0.0006
                                Largest FMI     =       0.0140
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.32
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33
```

	Proportion	Std. err.	Normal [95% conf.	interval]
EDUCATION				
1	.0428438	.0064976	.0288422	.0568454
2	.1142348	.0130788	.0860501	.1424195
3	.2008958	.0148544	.1688848	.2329069
4	.335176	.0142423	.3044819	.3658701
5	.3068496	.0220278	.2593811	.3543181

```
30 . mi estimate: svy, subpop(SAMPLE_FINAL): prop SMOKE

Multiple-imputation estimates   Imputations     =            5
Survey: Proportion estimation   Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        2,071
                                Subpop. size    =  212,496,041
                                Average RVI     =       0.0000
                                Largest FMI     =       0.0128
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33
```

	Proportion	Std. err.	Normal [95% conf.	interval]
SMOKE				
1	.5636724	.02304	.5140237	.6133212
2	.2236879	.0156559	.1899511	.2574247
3	.2126397	.0213238	.1666891	.2585902

```
31 . mi estimate: svy, subpop(SAMPLE_FINAL): prop ALCOHOL

Multiple-imputation estimates   Imputations     =            5
Survey: Proportion estimation   Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        2,071
                                Subpop. size    =  212,496,041
                                Average RVI     =       0.0143
                                Largest FMI     =       0.0283
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.14
                                        avg     =        13.14
Within VCE type:   Linearized           max     =        13.14
```

	Proportion	Std. err.	Normal [95% conf.	interval]
ALCOHOL				
1	**.7761901**	**.0255568**	**.7210366**	**.8313436**
2	**.2238099**	**.0255568**	**.1686564**	**.2789634**

32 . mi estimate: svy, subpop(SAMPLE_FINAL): prop DRUG_USER_EVER

Multiple-imputation estimates — Imputations = **5**
Survey: Proportion estimation — Number of obs = **2,085**

Number of strata = **15** — Population size = **212,496,041**
Number of PSUs = **30** — Subpop. no. obs = **2,071**
Subpop. size = **212,496,041**
Average RVI = **0.0000**
Largest FMI = **0.0000**
Complete DF = **15**
DF adjustment: **Small sample** — DF: min = **13.33**
avg = **13.33**
Within VCE type: **Linearized** max = **13.33**

	Proportion	Std. err.	Normal [95% conf.	interval]
DRUG_USER_EVER				
0	**.544538**	**.0210756**	**.4991224**	**.5899536**
1	**.455462**	**.0210756**	**.4100464**	**.5008776**

33 . mi estimate: svy, subpop(SAMPLE_FINAL): mean DR12TKCAL

Multiple-imputation estimates — Imputations = **5**
Survey: Mean estimation — Number of obs = **2,085**

Number of strata = **15** — Population size = **212,496,041**
Number of PSUs = **30** — Subpop. no. obs = **2,071**
Subpop. size = **212,496,041**
Average RVI = **0.2680**
Largest FMI = **0.2557**
Complete DF = **15**
DF adjustment: **Small sample** — DF: min = **9.41**
avg = **9.41**
Within VCE type: **Linearized** max = **9.41**

	Mean	Std. err.	[95% conf.	interval]
DR12TKCAL	**2122.007**	**24.99035**	**2065.849**	**2178.166**

34 . mi estimate: svy, subpop(SAMPLE_FINAL): mean DASH_TOTAL_SCORE

Multiple-imputation estimates — Imputations = **5**
Survey: Mean estimation — Number of obs = **2,085**

```
Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        2,071
                                Subpop. size    =  212,496,041
                                Average RVI     =       0.0423
                                Largest FMI     =       0.0579
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        12.73
                                        avg     =        12.73
Within VCE type:   Linearized           max     =        12.73
```

	Mean	Std. err.	[95% conf.	interval]
DASH_TOTAL_SCORE	2.142268	.0571951	2.018435	2.266102

```
35 . mi estimate: svy, subpop(SAMPLE_FINAL): mean PHYSICAL_days_average

Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        2,071
                                Subpop. size    =  212,496,041
                                Average RVI     =       0.0000
                                Largest FMI     =       0.0000
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33
```

	Mean	Std. err.	[95% conf.	interval]
PHYSICAL_days_average	2058.992	208.0617	1610.642	2507.343

```
36 . mi estimate: svy, subpop(SAMPLE_FINAL): prop SELF_RATED_HEALTH

Multiple-imputation estimates   Imputations     =            5
Survey: Proportion estimation   Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        2,071
                                Subpop. size    =  212,496,041
                                Average RVI     =       0.0139
                                Largest FMI     =       0.0279
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.14
                                        avg     =        13.14
Within VCE type:   Linearized           max     =        13.14
```

	Proportion	Std. err.	Normal [95% conf.	interval]
SELF_RATED_HEALTH				
1	.8170389	.0186522	.7767875	.8572903
2	.1829611	.0186522	.1427097	.2232125

```
37 . mi estimate: svy, subpop(SAMPLE_FINAL): prop CVD_CANCER_HISTORY

Multiple-imputation estimates   Imputations     =            5
Survey: Proportion estimation   Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        2,071
                                Subpop. size    =  212,496,041
                                Average RVI     =       0.0000
                                Largest FMI     =       0.0000
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33
```

	Proportion	Std. err.	Normal [95% conf. interval]	
CVD_CANCER_HISTORY				
0	.854359	.0086608	.835696	.873022
1	.145641	.0086608	.126978	.164304

```
38 .
39 . foreach x of varlist BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12_serumsi  LNNFL
  2.         mi estimate: svy, subpop(SAMPLE_FINAL): mean `x'
  3. }

Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        2,071
                                Subpop. size    =  212,496,041
                                Average RVI     =       0.0003
                                Largest FMI     =       0.0131
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33
```

	Mean	Std. err.	[95% conf. interval]	
BMI	29.36393	.2507746	28.82352	29.90433

```
Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        2,071
                                Subpop. size    =  212,496,041
                                Average RVI     =       0.0131
                                Largest FMI     =       0.0270
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.15
                                        avg     =        13.15
Within VCE type:   Linearized           max     =        13.15
```

	Mean	Std. err.	[95% conf. interval]	
SBP	119.8264	.5175508	118.7096	120.9432

```
Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        2,071
                                Subpop. size    =  212,496,041
                                Average RVI     =       0.0938
                                Largest FMI     =       0.1093
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        11.92
                                        avg     =        11.92
Within VCE type:   Linearized           max     =        11.92
```

	Mean	Std. err.	[95% conf.	interval]
DBP	69.27538	.4681203	68.2547	70.29606

```
Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        2,071
                                Subpop. size    =  212,496,041
                                Average RVI     =       0.0000
                                Largest FMI     =       0.0000
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33
```

	Mean	Std. err.	[95% conf.	interval]
TOTALCHOLESTEROLSI	4.892479	.0364058	4.814028	4.970929

```
Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        2,071
                                Subpop. size    =  212,496,041
                                Average RVI     =       0.0003
                                Largest FMI     =       0.0131
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33
```

	Mean	Std. err.	[95% conf.	interval]
HBA1C	5.602154	.0234438	5.551634	5.652675

```
Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085
```

```
Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        2,071
                                Subpop. size    =  212,496,041
                                Average RVI     =       0.0085
                                Largest FMI     =       0.0220
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.22
                                        avg     =        13.22
Within VCE type:   Linearized           max     =        13.22
```

	Mean	Std. err.	[95% conf.	interval]
LnACR	2.142253	.0301437	2.07724	2.207265

```
Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        2,071
                                Subpop. size    =  212,496,041
                                Average RVI     =       0.0000
                                Largest FMI     =       0.0000
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33
```

	Mean	Std. err.	[95% conf.	interval]
VitaminD_serum	64.26725	1.291837	61.48348	67.05102

```
Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        2,071
                                Subpop. size    =  212,496,041
                                Average RVI     =       0.0036
                                Largest FMI     =       0.0167
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.28
                                        avg     =        13.28
Within VCE type:   Linearized           max     =        13.28
```

	Mean	Std. err.	[95% conf.	interval]
folate_RBCSI	1243.703	26.25298	1187.11	1300.296

```
Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        2,071
                                Subpop. size    =  212,496,041
                                Average RVI     =       0.0000
                                Largest FMI     =       0.0128
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33
```

	Mean	Std. err.	[95% conf. interval]	
vitaminb12_serumsi	**601.9751**	**23.16881**	**552.0487**	**651.9015**

Multiple-imputation estimates — Imputations = **5**
Survey: Mean estimation — Number of obs = **2,085**

Number of strata = **15** — Population size = **212,496,041**
Number of PSUs = **30** — Subpop. no. obs = **2,071**
Subpop. size = **212,496,041**
Average RVI = **0.0000**
Largest FMI = **0.0000**
Complete DF = **15**
DF adjustment: **Small sample** — DF: min = **13.33**
avg = **13.33**
Within VCE type: **Linearized** max = **13.33**

	Mean	Std. err.	[95% conf. interval]	
LNNFL	**2.537145**	**.0345392**	**2.462717**	**2.611573**

```
40 .
41 . mi estimate: svy, subpop(SAMPLE_FINAL): prop LNNFLMEDIAN
```

Multiple-imputation estimates — Imputations = **5**
Survey: Proportion estimation — Number of obs = **2,085**

Number of strata = **15** — Population size = **212,496,041**
Number of PSUs = **30** — Subpop. no. obs = **2,071**
Subpop. size = **212,496,041**
Average RVI = **0.0000**
Largest FMI = **0.0000**
Complete DF = **15**
DF adjustment: **Small sample** — DF: min = **13.33**
avg = **13.33**
Within VCE type: **Linearized** max = **13.33**

	Proportion	Std. err.	Normal [95% conf. interval]	
LNNFLMEDIAN				
1	**.5182705**	**.0166855**	**.482315**	**.5542259**
2	**.4817295**	**.0166855**	**.4457741**	**.517685**

```
42 .
43 . mi estimate: svy, subpop(SAMPLE_FINAL): prop MORTSTAT
```

Multiple-imputation estimates — Imputations = **5**
Survey: Proportion estimation — Number of obs = **2,085**

Number of strata = **15** — Population size = **212,496,041**
Number of PSUs = **30** — Subpop. no. obs = **2,071**
Subpop. size = **212,496,041**
Average RVI = **0.0000**
Largest FMI = **0.0000**
Complete DF = **15**
DF adjustment: **Small sample** — DF: min = **13.33**
avg = **13.33**
Within VCE type: **Linearized** max = **13.33**

	Proportion	Std. err.	Normal [95% conf.	interval]
MORTSTAT				
Assumed alive	**.964979**	**.0053124**	**.9535315**	**.9764266**
Assumed deceased	**.035021**	**.0053124**	**.0235734**	**.0464685**

```
44 .
45 . mi estimate: svy, subpop(SAMPLE_FINAL): mean AGE_DEATH

   Multiple-imputation estimates   Imputations     =            5
   Survey: Mean estimation         Number of obs   =        2,085

   Number of strata  =        15   Population size =  212,496,041
   Number of PSUs    =        30   Subpop. no. obs =        2,071
                                   Subpop. size    =  212,496,041
                                   Average RVI     =       0.0000
                                   Largest FMI     =       0.0000
                                   Complete DF     =           15
   DF adjustment:   Small sample   DF:     min     =        13.33
                                           avg     =        13.33
   Within VCE type:   Linearized           max     =        13.33
```

	Mean	Std. err.	[95% conf.	interval]
AGE_DEATH	**50.94702**	**.4578013**	**49.96051**	**51.93354**

```
46 .
47 . save, replace
   file finaldata_imputed.dta saved

48 .
49 .
50 . ***************MEN*****************************
51 .
52 . capture drop MEN_FINAL

53 . gen MEN_FINAL=.
   (61,050 missing values generated)

54 . replace MEN_FINAL=1 if SAMPLE_FINAL==1 & SEX==1
   (5,940 real changes made)

55 . replace MEN_FINAL=0 if MEN_FINAL~=1
   (55,110 real changes made)

56 .
57 . save, replace
   file finaldata_imputed.dta saved

58 .
```

```
59 . mi estimate: svy, subpop(MEN_FINAL): mean AGE

Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =          990
                                Subpop. size    =  103,420,469
                                Average RVI     =       0.0000
                                Largest FMI     =       0.0000
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33

------------------------------------------------------------------------------
             |       Mean   Std. err.     [95% conf. interval]
-------------+----------------------------------------------------------------
         AGE |   44.73771   .4551765      43.75685    45.71856
------------------------------------------------------------------------------

60 . mi estimate: svy, subpop(MEN_FINAL): prop RACE_ETHN

Multiple-imputation estimates   Imputations     =            5
Survey: Proportion estimation   Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =          990
                                Subpop. size    =  103,420,469
                                Average RVI     =       0.0000
                                Largest FMI     =       0.0000
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33

------------------------------------------------------------------------------
             |                                                Normal
             | Proportion   Std. err.     [95% conf. interval]
-------------+----------------------------------------------------------------
    RACE_ETHN |
           0 |   .6575381   .0392874       .572878    .7421981
           1 |   .1120594   .0147395      .0802975    .1438214
           2 |   .1579957   .0298625      .0936453    .2223462
           3 |   .0724067   .0119435      .0466699    .0981436
------------------------------------------------------------------------------

61 . mi estimate: svy, subpop(MEN_FINAL): prop MARRIED_LIVP

Multiple-imputation estimates   Imputations     =            5
Survey: Proportion estimation   Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =          990
                                Subpop. size    =  103,420,469
                                Average RVI     =       0.0000
                                Largest FMI     =       0.0000
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33
```

	Proportion	Std. err.	Normal [95% conf.	interval]
MARRIED_LIVP				
1	.6767702	.0194117	.6349401	.7186002
2	.3232298	.0194117	.2813998	.3650599

62 . mi estimate: svy, subpop(MEN_FINAL): mean HOUSEHOLDSIZE

Multiple-imputation estimates — Imputations = 5
Survey: Mean estimation — Number of obs = 2,085

Number of strata = 15 — Population size = 212,496,041
Number of PSUs = 30 — Subpop. no. obs = 990
Subpop. size = 103,420,469
Average RVI = 0.0000
Largest FMI = 0.0000
Complete DF = 15
DF adjustment: Small sample — DF: min = 13.33
avg = 13.33
Within VCE type: Linearized — max = 13.33

	Mean	Std. err.	[95% conf.	interval]
HOUSEHOLDSIZE	3.255955	.0921205	3.057445	3.454465

63 . mi estimate: svy, subpop(MEN_FINAL): prop PIR

Multiple-imputation estimates — Imputations = 5
Survey: Proportion estimation — Number of obs = 2,085

Number of strata = 15 — Population size = 212,496,041
Number of PSUs = 30 — Subpop. no. obs = 990
Subpop. size = 103,420,469
Average RVI = 0.0490
Largest FMI = 0.0704
Complete DF = 15
DF adjustment: Small sample — DF: min = 12.54
avg = 12.99
Within VCE type: Linearized — max = 13.21

	Proportion	Std. err.	Normal [95% conf.	interval]
PIR				
1	.1639385	.026132	.1075769	.2203
2	.1911641	.0178888	.1523727	.2299555
3	.6448974	.0381371	.562635	.7271598

```
64 . mi estimate: svy, subpop(MEN_FINAL): prop EDUCATION

Multiple-imputation estimates   Imputations     =            5
Survey: Proportion estimation   Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =          990
                                Subpop. size    =  103,420,469
                                Average RVI     =       0.0000
                                Largest FMI     =       0.0128
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33
```

	Proportion	Std. err.	Normal [95% conf.	interval]
EDUCATION				
1	.0519456	.0093674	.0317599	.0721312
2	.1175132	.0169794	.0809242	.1541022
3	.2166304	.0168473	.1803261	.2529347
4	.3067385	.0159896	.2722824	.3411946
5	.3071723	.0239073	.2556546	.35869

```
65 . mi estimate: svy, subpop(MEN_FINAL): prop SMOKE

Multiple-imputation estimates   Imputations     =            5
Survey: Proportion estimation   Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =          990
                                Subpop. size    =  103,420,469
                                Average RVI     =       0.0001
                                Largest FMI     =       0.0128
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33
```

	Proportion	Std. err.	Normal [95% conf.	interval]
SMOKE				
1	.4969289	.0257971	.4413388	.552519
2	.2840504	.0203637	.2401686	.3279323
3	.2190207	.0212757	.1731736	.2648678

```
66 . mi estimate: svy, subpop(MEN_FINAL): prop ALCOHOL

Multiple-imputation estimates   Imputations     =            5
Survey: Proportion estimation   Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =          990
                                Subpop. size    =  103,420,469
                                Average RVI     =       0.0118
                                Largest FMI     =       0.0257
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.17
                                        avg     =        13.17
Within VCE type:   Linearized           max     =        13.17
```

	Proportion	Std. err.	Normal [95% conf.	interval]
ALCOHOL				
1	.858269	.0214753	.8119356	.9046023
2	.141731	.0214753	.0953977	.1880644

67 . mi estimate: svy, subpop(MEN_FINAL): prop DRUG_USER_EVER

Multiple-imputation estimates Imputations = 5
Survey: Proportion estimation Number of obs = 2,085

Number of strata = 15 Population size = 212,496,041
Number of PSUs = 30 Subpop. no. obs = 990
Subpop. size = 103,420,469
Average RVI = 0.0000
Largest FMI = 0.0000
Complete DF = 15
DF adjustment: Small sample DF: min = 13.33
avg = 13.33
Within VCE type: Linearized max = 13.33

	Proportion	Std. err.	Normal [95% conf.	interval]
DRUG_USER_EVER				
0	.4733364	.0260073	.4172935	.5293793
1	.5266636	.0260073	.4706207	.5827065

68 . mi estimate: svy, subpop(MEN_FINAL): mean DR12TKCAL

Multiple-imputation estimates Imputations = 5
Survey: Mean estimation Number of obs = 2,085

Number of strata = 15 Population size = 212,496,041
Number of PSUs = 30 Subpop. no. obs = 990
Subpop. size = 103,420,469
Average RVI = 0.2774
Largest FMI = 0.2626
Complete DF = 15
DF adjustment: Small sample DF: min = 9.29
avg = 9.29
Within VCE type: Linearized max = 9.29

	Mean	Std. err.	[95% conf.	interval]
DR12TKCAL	2435.569	40.09182	2345.311	2525.827

69 . mi estimate: svy, subpop(MEN_FINAL): mean DASH_TOTAL_SCORE

Multiple-imputation estimates Imputations = 5
Survey: Mean estimation Number of obs = 2,085

```
Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =          990
                                Subpop. size    =  103,420,469
                                Average RVI     =       0.0292
                                Largest FMI     =       0.0442
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        12.92
                                        avg     =        12.92
Within VCE type:   Linearized           max     =        12.92
```

	Mean	Std. err.	[95% conf.	interval]
DASH_TOTAL_SCORE	2.03146	.0672742	1.886033	2.176886

```
70 . mi estimate: svy, subpop(MEN_FINAL): mean PHYSICAL_days_average

Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =          990
                                Subpop. size    =  103,420,469
                                Average RVI     =       0.0000
                                Largest FMI     =       0.0000
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33
```

	Mean	Std. err.	[95% conf.	interval]
PHYSICAL_days_average	2652.176	306.8107	1991.032	3313.319

```
71 . mi estimate: svy, subpop(MEN_FINAL): prop SELF_RATED_HEALTH

Multiple-imputation estimates   Imputations     =            5
Survey: Proportion estimation   Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =          990
                                Subpop. size    =  103,420,469
                                Average RVI     =       0.0136
                                Largest FMI     =       0.0276
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.15
                                        avg     =        13.15
Within VCE type:   Linearized           max     =        13.15
```

	Proportion	Std. err.	Normal [95% conf.	interval]
SELF_RATED_HEALTH				
1	.8306019	.0211052	.7850587	.8761451
2	.1693981	.0211052	.1238549	.2149413

```
72 . mi estimate: svy, subpop(MEN_FINAL): prop CVD_CANCER_HISTORY

Multiple-imputation estimates   Imputations     =            5
Survey: Proportion estimation   Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =          990
                                Subpop. size    =  103,420,469
                                Average RVI     =       0.0000
                                Largest FMI     =       0.0000
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33
```

	Proportion	Std. err.	Normal [95% conf. interval]	
CVD_CANCER_HISTORY				
0	.8443376	.0156192	.8106799	.8779953
1	.1556624	.0156192	.1220047	.1893201

```
73 .
74 . foreach x of varlist BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12_serumsi  LNNFL
  2.         mi estimate: svy, subpop(MEN_FINAL): mean `x'
  3. }

Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =          990
                                Subpop. size    =  103,420,469
                                Average RVI     =       0.0016
                                Largest FMI     =       0.0145
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.31
                                        avg     =        13.31
Within VCE type:   Linearized           max     =        13.31
```

	Mean	Std. err.	[95% conf. interval]	
BMI	28.71179	.3301785	28.00018	29.42341

```
Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =          990
                                Subpop. size    =  103,420,469
                                Average RVI     =       0.0295
                                Largest FMI     =       0.0446
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        12.92
                                        avg     =        12.92
Within VCE type:   Linearized           max     =        12.92
```

	Mean	Std. err.	[95% conf. interval]	
SBP	121.4248	.7028296	119.9054	122.9442

```
Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =          990
                                Subpop. size    =  103,420,469
                                Average RVI     =       0.0332
                                Largest FMI     =       0.0485
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        12.86
                                        avg     =        12.86
Within VCE type:   Linearized           max     =        12.86
```

	Mean	Std. err.	[95% conf.	interval]
DBP	70.40494	.6304287	69.0415	71.76839

```
Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =          990
                                Subpop. size    =  103,420,469
                                Average RVI     =       0.0000
                                Largest FMI     =       0.0000
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33
```

	Mean	Std. err.	[95% conf.	interval]
TOTALCHOLESTEROLSI	4.834797	.0396501	4.749356	4.920239

```
Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =          990
                                Subpop. size    =  103,420,469
                                Average RVI     =       0.0000
                                Largest FMI     =       0.0000
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33
```

	Mean	Std. err.	[95% conf.	interval]
HBA1C	5.62922	.033315	5.557429	5.70101

```
Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085
```

Number of strata = **15** Population size = **212,496,041**
Number of PSUs = **30** Subpop. no. obs = **990**
Subpop. size = **103,420,469**
Average RVI = **0.0204**
Largest FMI = **0.0349**
Complete DF = **15**
DF adjustment: **Small sample** DF: min = **13.05**
avg = **13.05**
Within VCE type: **Linearized** max = **13.05**

	Mean	Std. err.	[95% conf.	interval]
LnACR	**1.959916**	**.0323291**	**1.8901**	**2.029732**

Multiple-imputation estimates Imputations = **5**
Survey: Mean estimation Number of obs = **2,085**

Number of strata = **15** Population size = **212,496,041**
Number of PSUs = **30** Subpop. no. obs = **990**
Subpop. size = **103,420,469**
Average RVI = **0.0000**
Largest FMI = **0.0000**
Complete DF = **15**
DF adjustment: **Small sample** DF: min = **13.33**
avg = **13.33**
Within VCE type: **Linearized** max = **13.33**

	Mean	Std. err.	[95% conf.	interval]
VitaminD_serum	**61.20239**	**1.258246**	**58.49101**	**63.91377**

Multiple-imputation estimates Imputations = **5**
Survey: Mean estimation Number of obs = **2,085**

Number of strata = **15** Population size = **212,496,041**
Number of PSUs = **30** Subpop. no. obs = **990**
Subpop. size = **103,420,469**
Average RVI = **0.0021**
Largest FMI = **0.0151**
Complete DF = **15**
DF adjustment: **Small sample** DF: min = **13.31**
avg = **13.31**
Within VCE type: **Linearized** max = **13.31**

	Mean	Std. err.	[95% conf.	interval]
folate_RBCSI	**1214.943**	**24.82662**	**1161.434**	**1268.453**

Multiple-imputation estimates Imputations = **5**
Survey: Mean estimation Number of obs = **2,085**

Number of strata = **15** Population size = **212,496,041**
Number of PSUs = **30** Subpop. no. obs = **990**
Subpop. size = **103,420,469**
Average RVI = **0.0006**
Largest FMI = **0.0134**
Complete DF = **15**
DF adjustment: **Small sample** DF: min = **13.33**
avg = **13.33**
Within VCE type: **Linearized** max = **13.33**

	Mean	Std. err.	[95% conf. interval]	
vitaminb12_serumsi	**548.0324**	**13.77349**	**518.3504**	**577.7145**

Multiple-imputation estimates — Imputations = **5**
Survey: Mean estimation — Number of obs = **2,085**

Number of strata = **15** — Population size = **212,496,041**
Number of PSUs = **30** — Subpop. no. obs = **990**
Subpop. size = **103,420,469**
Average RVI = **0.0000**
Largest FMI = **0.0000**
Complete DF = **15**
DF adjustment: **Small sample** — DF: min = **13.33**
avg = **13.33**
Within VCE type: **Linearized** — max = **13.33**

	Mean	Std. err.	[95% conf. interval]	
LNNFL	**2.594147**	**.0366145**	**2.515247**	**2.673047**

```
75 .
76 . mi estimate: svy, subpop(MEN_FINAL): prop LNNFLMEDIAN
```

Multiple-imputation estimates — Imputations = **5**
Survey: Proportion estimation — Number of obs = **2,085**

Number of strata = **15** — Population size = **212,496,041**
Number of PSUs = **30** — Subpop. no. obs = **990**
Subpop. size = **103,420,469**
Average RVI = **0.0000**
Largest FMI = **0.0000**
Complete DF = **15**
DF adjustment: **Small sample** — DF: min = **13.33**
avg = **13.33**
Within VCE type: **Linearized** — max = **13.33**

	Proportion	Std. err.	Normal [95% conf. interval]	
LNNFLMEDIAN				
1	**.4922736**	**.0205329**	**.4480275**	**.5365197**
2	**.5077264**	**.0205329**	**.4634803**	**.5519725**

```
77 .
78 . mi estimate: svy, subpop(MEN_FINAL): prop MORTSTAT
```

Multiple-imputation estimates — Imputations = **5**
Survey: Proportion estimation — Number of obs = **2,085**

Number of strata = **15** — Population size = **212,496,041**
Number of PSUs = **30** — Subpop. no. obs = **990**
Subpop. size = **103,420,469**
Average RVI = **0.0000**
Largest FMI = **0.0000**
Complete DF = **15**
DF adjustment: **Small sample** — DF: min = **13.33**
avg = **13.33**
Within VCE type: **Linearized** — max = **13.33**

	Proportion	Std. err.	Normal [95% conf.	interval]
MORTSTAT				
Assumed alive	**.9645054**	**.007596**	**.9481369**	**.9808739**
Assumed deceased	**.0354946**	**.007596**	**.0191261**	**.0518631**

```
79 .
80 . mi estimate: svy, subpop(MEN_FINAL): mean AGE_DEATH

Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =          990
                                Subpop. size    =  103,420,469
                                Average RVI     =       0.0000
                                Largest FMI     =       0.0000
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33
```

	Mean	Std. err.	[95% conf.	interval]
AGE_DEATH	**50.61829**	**.4790841**	**49.58591**	**51.65066**

```
81 .
82 . save, replace
file finaldata_imputed.dta saved

83 .
84 .
85 .
86 . ***************WOMEN*******************************
87 .
88 .
89 . capture drop WOMEN_FINAL

90 . gen WOMEN_FINAL=.
(61,050 missing values generated)

91 . replace WOMEN_FINAL=1 if SAMPLE_FINAL==1 & SEX==2
(6,486 real changes made)

92 . replace WOMEN_FINAL=0 if WOMEN_FINAL~=1
(54,564 real changes made)

93 .
94 . save, replace
file finaldata_imputed.dta saved
```

```
95 .
96 . mi estimate: svy, subpop(WOMEN_FINAL): mean AGE

   Multiple-imputation estimates   Imputations     =            5
   Survey: Mean estimation         Number of obs   =        2,085

   Number of strata  =        15   Population size =  212,496,041
   Number of PSUs    =        30   Subpop. no. obs =        1,081
                                   Subpop. size    =  109,075,572
                                   Average RVI     =       0.0000
                                   Largest FMI     =       0.0000
                                   Complete DF     =           15
   DF adjustment:   Small sample   DF:     min     =        13.33
                                           avg     =        13.33
   Within VCE type:   Linearized           max     =        13.33

------------------------------------------------------------------------------
             |       Mean   Std. err.     [95% conf. interval]
-------------+----------------------------------------------------------------
         AGE |   45.35388   .5865083      44.09002    46.61774
------------------------------------------------------------------------------

97 . mi estimate: svy, subpop(WOMEN_FINAL): prop RACE_ETHN

   Multiple-imputation estimates   Imputations     =            5
   Survey: Proportion estimation   Number of obs   =        2,085

   Number of strata  =        15   Population size =  212,496,041
   Number of PSUs    =        30   Subpop. no. obs =        1,081
                                   Subpop. size    =  109,075,572
                                   Average RVI     =       0.0000
                                   Largest FMI     =       0.0000
                                   Complete DF     =           15
   DF adjustment:   Small sample   DF:     min     =        13.33
                                           avg     =        13.33
   Within VCE type:   Linearized           max     =        13.33

------------------------------------------------------------------------------
             |                                                Normal
             | Proportion   Std. err.     [95% conf. interval]
-------------+----------------------------------------------------------------
   RACE_ETHN |
           0 |   .6418549   .0357863      .5647394    .7189704
           1 |   .1284132   .0184901      .0885691    .1682574
           2 |   .1488658   .0246056      .0958433    .2018883
           3 |   .0808661   .0101791      .0589312     .102801
------------------------------------------------------------------------------

98 . mi estimate: svy, subpop(WOMEN_FINAL): prop MARRIED_LIVP

   Multiple-imputation estimates   Imputations     =            5
   Survey: Proportion estimation   Number of obs   =        2,085

   Number of strata  =        15   Population size =  212,496,041
   Number of PSUs    =        30   Subpop. no. obs =        1,081
                                   Subpop. size    =  109,075,572
                                   Average RVI     =       0.0000
                                   Largest FMI     =       0.0000
                                   Complete DF     =           15
   DF adjustment:   Small sample   DF:     min     =        13.33
                                           avg     =        13.33
   Within VCE type:   Linearized           max     =        13.33
```

	Proportion	Std. err.	Normal [95% conf.	interval]
MARRIED_LIVP				
1	.6225194	.0184559	.5827489	.6622899
2	.3774806	.0184559	.3377101	.4172511

```
 99 . mi estimate: svy, subpop(WOMEN_FINAL): mean HOUSEHOLDSIZE

   Multiple-imputation estimates   Imputations     =            5
   Survey: Mean estimation         Number of obs   =        2,085

   Number of strata  =        15   Population size =  212,496,041
   Number of PSUs    =        30   Subpop. no. obs =        1,081
                                   Subpop. size    =  109,075,572
                                   Average RVI     =       0.0000
                                   Largest FMI     =       0.0000
                                   Complete DF     =           15
   DF adjustment:   Small sample   DF:     min     =        13.33
                                           avg     =        13.33
   Within VCE type:   Linearized           max     =        13.33
```

	Mean	Std. err.	[95% conf.	interval]
HOUSEHOLDSIZE	3.165648	.0589811	3.03855	3.292746

```
100 . mi estimate: svy, subpop(WOMEN_FINAL): prop PIR

   Multiple-imputation estimates   Imputations     =            5
   Survey: Proportion estimation   Number of obs   =        2,085

   Number of strata  =        15   Population size =  212,496,041
   Number of PSUs    =        30   Subpop. no. obs =        1,081
                                   Subpop. size    =  109,075,572
                                   Average RVI     =       0.0834
                                   Largest FMI     =       0.1240
                                   Complete DF     =           15
   DF adjustment:   Small sample   DF:     min     =        11.68
                                           avg     =        12.68
   Within VCE type:   Linearized           max     =        13.30
```

	Proportion	Std. err.	Normal [95% conf.	interval]
PIR				
1	.1981989	.0225506	.1495935	.2468043
2	.1980047	.0132535	.1690395	.2269698
3	.6037965	.0319971	.5346984	.6728946

```
101 . mi estimate: svy, subpop(WOMEN_FINAL): prop EDUCATION

    Multiple-imputation estimates   Imputations     =            5
    Survey: Proportion estimation   Number of obs   =        2,085

    Number of strata  =        15   Population size =  212,496,041
    Number of PSUs    =        30   Subpop. no. obs =        1,081
                                    Subpop. size    =  109,075,572
                                    Average RVI     =       0.0018
                                    Largest FMI     =       0.0164
                                    Complete DF     =           15
    DF adjustment:   Small sample   DF:     min     =        13.29
                                            avg     =        13.31
    Within VCE type:   Linearized           max     =        13.33
```

	Proportion	Std. err.	Normal [95% conf.	interval]
EDUCATION				
1	.0342139	.005035	.0233641	.0450637
2	.1111264	.0123058	.0846025	.1376503
3	.185977	.0189183	.1452055	.2267486
4	.362139	.0170531	.3253795	.3988986
5	.3065436	.0238613	.255121	.3579662

```
102 . mi estimate: svy, subpop(WOMEN_FINAL): prop SMOKE

    Multiple-imputation estimates   Imputations     =            5
    Survey: Proportion estimation   Number of obs   =        2,085

    Number of strata  =        15   Population size =  212,496,041
    Number of PSUs    =        30   Subpop. no. obs =        1,081
                                    Subpop. size    =  109,075,572
                                    Average RVI     =       0.0000
                                    Largest FMI     =       0.0000
                                    Complete DF     =           15
    DF adjustment:   Small sample   DF:     min     =        13.33
                                            avg     =        13.33
    Within VCE type:   Linearized           max     =        13.33
```

	Proportion	Std. err.	Normal [95% conf.	interval]
SMOKE				
1	.6269555	.0238065	.575655	.678256
2	.1664549	.0137596	.1368046	.1961053
3	.2065895	.0249358	.1528555	.2603235

```
103 . mi estimate: svy, subpop(WOMEN_FINAL): prop ALCOHOL

    Multiple-imputation estimates   Imputations     =            5
    Survey: Proportion estimation   Number of obs   =        2,085

    Number of strata  =        15   Population size =  212,496,041
    Number of PSUs    =        30   Subpop. no. obs =        1,081
                                    Subpop. size    =  109,075,572
                                    Average RVI     =       0.0135
                                    Largest FMI     =       0.0275
                                    Complete DF     =           15
    DF adjustment:   Small sample   DF:     min     =        13.15
                                            avg     =        13.15
    Within VCE type:   Linearized           max     =        13.15
```

	Proportion	Std. err.	Normal [95% conf.	interval]
ALCOHOL				
1	.6983667	.0323636	.6285294	.7682041
2	.3016333	.0323636	.2317959	.3714706

104 . mi estimate: svy, subpop(WOMEN_FINAL): prop DRUG_USER_EVER

Multiple-imputation estimates — Imputations = 5
Survey: Proportion estimation — Number of obs = 2,085

Number of strata = 15 — Population size = 212,496,041
Number of PSUs = 30 — Subpop. no. obs = 1,081
Subpop. size = 109,075,572
Average RVI = 0.0000
Largest FMI = 0.0000
Complete DF = 15
DF adjustment: Small sample — DF: min = 13.33
avg = 13.33
Within VCE type: Linearized — max = 13.33

	Proportion	Std. err.	Normal [95% conf.	interval]
DRUG_USER_EVER				
0	.6120481	.0216429	.56541	.6586862
1	.3879519	.0216429	.3413138	.43459

105 . mi estimate: svy, subpop(WOMEN_FINAL): mean DR12TKCAL

Multiple-imputation estimates — Imputations = 5
Survey: Mean estimation — Number of obs = 2,085

Number of strata = 15 — Population size = 212,496,041
Number of PSUs = 30 — Subpop. no. obs = 1,081
Subpop. size = 109,075,572
Average RVI = 0.3048
Largest FMI = 0.2819
Complete DF = 15
DF adjustment: Small sample — DF: min = 8.97
avg = 8.97
Within VCE type: Linearized — max = 8.97

	Mean	Std. err.	[95% conf.	interval]
DR12TKCAL	1824.703	25.87632	1766.135	1883.27

106 . mi estimate: svy, subpop(WOMEN_FINAL): mean DASH_TOTAL_SCORE

Multiple-imputation estimates — Imputations = 5
Survey: Mean estimation — Number of obs = 2,085

```
Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        1,081
                                Subpop. size    =  109,075,572
                                Average RVI     =       0.2986
                                Largest FMI     =       0.2776
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =         9.04
                                        avg     =         9.04
Within VCE type:   Linearized           max     =         9.04
```

	Mean	Std. err.	[95% conf.	interval]
DASH_TOTAL_SCORE	2.247332	.0619924	2.107193	2.387472

```
107 . mi estimate: svy, subpop(WOMEN_FINAL): mean PHYSICAL_days_average

Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        1,081
                                Subpop. size    =  109,075,572
                                Average RVI     =       0.0000
                                Largest FMI     =       0.0000
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33
```

	Mean	Std. err.	[95% conf.	interval]
PHYSICAL_days_average	1496.563	230.6017	999.6412	1993.484

```
108 . mi estimate: svy, subpop(WOMEN_FINAL): prop SELF_RATED_HEALTH

Multiple-imputation estimates   Imputations     =            5
Survey: Proportion estimation   Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        1,081
                                Subpop. size    =  109,075,572
                                Average RVI     =       0.0195
                                Largest FMI     =       0.0340
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.06
                                        avg     =        13.06
Within VCE type:   Linearized           max     =        13.06
```

	Proportion	Std. err.	Normal [95% conf.	interval]
SELF_RATED_HEALTH				
1	.8041791	.0181782	.7649265	.8434317
2	.1958209	.0181782	.1565683	.2350735

```
109 . mi estimate: svy, subpop(WOMEN_FINAL): prop CVD_CANCER_HISTORY

Multiple-imputation estimates   Imputations     =            5
Survey: Proportion estimation   Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        1,081
                                Subpop. size    =  109,075,572
                                Average RVI     =       0.0000
                                Largest FMI     =       0.0000
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.33
                                        avg     =        13.33
Within VCE type:   Linearized           max     =        13.33
```

	Proportion	Std. err.	Normal [95% conf. interval]	
CVD_CANCER_HISTORY				
0	.8638609	.0102658	.8417393	.8859825
1	.1361391	.0102658	.1140175	.1582607

```
110 .
111 . foreach x of varlist BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12_serumsi  LNNFL
  2.         mi estimate: svy, subpop(WOMEN_FINAL): mean `x'
  3. }

Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        1,081
                                Subpop. size    =  109,075,572
                                Average RVI     =       0.0029
                                Largest FMI     =       0.0160
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        13.29
                                        avg     =        13.29
Within VCE type:   Linearized           max     =        13.29
```

	Mean	Std. err.	[95% conf. interval]	
BMI	29.98225	.2621769	29.41712	30.54738

```
Multiple-imputation estimates   Imputations     =            5
Survey: Mean estimation         Number of obs   =        2,085

Number of strata  =        15   Population size =  212,496,041
Number of PSUs    =        30   Subpop. no. obs =        1,081
                                Subpop. size    =  109,075,572
                                Average RVI     =       0.0516
                                Largest FMI     =       0.0675
                                Complete DF     =           15
DF adjustment:   Small sample   DF:     min     =        12.58
                                        avg     =        12.58
Within VCE type:   Linearized           max     =        12.58
```

	Mean	Std. err.	[95% conf. interval]	
SBP	118.3109	.6431757	116.9167	119.7051

Multiple-imputation estimates — Imputations = 5
Survey: Mean estimation — Number of obs = 2,085

Number of strata = 15 — Population size = 212,496,041
Number of PSUs = 30 — Subpop. no. obs = 1,081
Subpop. size = 109,075,572
Average RVI = 0.2587
Largest FMI = 0.2489
Complete DF = 15
DF adjustment: Small sample — DF: min = 9.53
avg = 9.53
Within VCE type: Linearized — max = 9.53

	Mean	Std. err.	[95% conf.	interval]
DBP	68.20437	.440863	67.21541	69.19333

Multiple-imputation estimates — Imputations = 5
Survey: Mean estimation — Number of obs = 2,085

Number of strata = 15 — Population size = 212,496,041
Number of PSUs = 30 — Subpop. no. obs = 1,081
Subpop. size = 109,075,572
Average RVI = 0.0000
Largest FMI = 0.0000
Complete DF = 15
DF adjustment: Small sample — DF: min = 13.33
avg = 13.33
Within VCE type: Linearized — max = 13.33

	Mean	Std. err.	[95% conf.	interval]
TOTALCHOLESTEROLSI	4.947169	.0459914	4.848063	5.046276

Multiple-imputation estimates — Imputations = 5
Survey: Mean estimation — Number of obs = 2,085

Number of strata = 15 — Population size = 212,496,041
Number of PSUs = 30 — Subpop. no. obs = 1,081
Subpop. size = 109,075,572
Average RVI = 0.0007
Largest FMI = 0.0135
Complete DF = 15
DF adjustment: Small sample — DF: min = 13.32
avg = 13.32
Within VCE type: Linearized — max = 13.32

	Mean	Std. err.	[95% conf.	interval]
HBA1C	5.576492	.0317122	5.508151	5.644833

Multiple-imputation estimates — Imputations = 5
Survey: Mean estimation — Number of obs = 2,085

Number of strata = **15** Population size = **212,496,041**
Number of PSUs = **30** Subpop. no. obs = **1,081**
Subpop. size = **109,075,572**
Average RVI = **0.0120**
Largest FMI = **0.0258**
Complete DF = **15**
DF adjustment: **Small sample** DF: min = **13.17**
avg = **13.17**
Within VCE type: **Linearized** max = **13.17**

	Mean	Std. err.	[95% conf.	interval]
LnACR	**2.315136**	**.0389561**	**2.231086**	**2.399186**

Multiple-imputation estimates Imputations = **5**
Survey: Mean estimation Number of obs = **2,085**

Number of strata = **15** Population size = **212,496,041**
Number of PSUs = **30** Subpop. no. obs = **1,081**
Subpop. size = **109,075,572**
Average RVI = **0.0000**
Largest FMI = **0.0000**
Complete DF = **15**
DF adjustment: **Small sample** DF: min = **13.33**
avg = **13.33**
Within VCE type: **Linearized** max = **13.33**

	Mean	Std. err.	[95% conf.	interval]
VitaminD_serum	**67.1732**	**1.770268**	**63.35847**	**70.98794**

Multiple-imputation estimates Imputations = **5**
Survey: Mean estimation Number of obs = **2,085**

Number of strata = **15** Population size = **212,496,041**
Number of PSUs = **30** Subpop. no. obs = **1,081**
Subpop. size = **109,075,572**
Average RVI = **0.0052**
Largest FMI = **0.0184**
Complete DF = **15**
DF adjustment: **Small sample** DF: min = **13.26**
avg = **13.26**
Within VCE type: **Linearized** max = **13.26**

	Mean	Std. err.	[95% conf.	interval]
folate_RBCSI	**1270.971**	**31.61617**	**1202.806**	**1339.136**

Multiple-imputation estimates Imputations = **5**
Survey: Mean estimation Number of obs = **2,085**

Number of strata = **15** Population size = **212,496,041**
Number of PSUs = **30** Subpop. no. obs = **1,081**
Subpop. size = **109,075,572**
Average RVI = **0.0000**
Largest FMI = **0.0128**
Complete DF = **15**
DF adjustment: **Small sample** DF: min = **13.33**
avg = **13.33**
Within VCE type: **Linearized** max = **13.33**

	Mean	Std. err.	[95% conf.	interval]
vitaminb12_serumsi	**653.1211**	**39.82718**	**567.2976**	**738.9445**

Multiple-imputation estimates — Imputations = **5**
Survey: Mean estimation — Number of obs = **2,085**

Number of strata = **15** — Population size = **212,496,041**
Number of PSUs = **30** — Subpop. no. obs = **1,081**
Subpop. size = **109,075,572**
Average RVI = **0.0000**
Largest FMI = **0.0000**
Complete DF = **15**
DF adjustment: **Small sample** — DF: min = **13.33**
avg = **13.33**
Within VCE type: **Linearized** — max = **13.33**

	Mean	Std. err.	[95% conf.	interval]
LNNFL	**2.483099**	**.0374433**	**2.402412**	**2.563785**

```
112 .
113 . mi estimate: svy, subpop(WOMEN_FINAL): prop LNNFLMEDIAN
```

Multiple-imputation estimates — Imputations = **5**
Survey: Proportion estimation — Number of obs = **2,085**

Number of strata = **15** — Population size = **212,496,041**
Number of PSUs = **30** — Subpop. no. obs = **1,081**
Subpop. size = **109,075,572**
Average RVI = **0.0000**
Largest FMI = **0.0000**
Complete DF = **15**
DF adjustment: **Small sample** — DF: min = **13.33**
avg = **13.33**
Within VCE type: **Linearized** — max = **13.33**

	Proportion	Std. err.	Normal [95% conf.	interval]
LNNFLMEDIAN				
1	**.5429195**	**.0204892**	**.4987675**	**.5870714**
2	**.4570805**	**.0204892**	**.4129286**	**.5012325**

```
114 .
115 . mi estimate: svy, subpop(WOMEN_FINAL): prop MORTSTAT
```

Multiple-imputation estimates — Imputations = **5**
Survey: Proportion estimation — Number of obs = **2,085**

Number of strata = **15** — Population size = **212,496,041**
Number of PSUs = **30** — Subpop. no. obs = **1,081**
Subpop. size = **109,075,572**
Average RVI = **0.0000**
Largest FMI = **0.0000**
Complete DF = **15**
DF adjustment: **Small sample** — DF: min = **13.33**
avg = **13.33**
Within VCE type: **Linearized** — max = **13.33**

	Proportion	Std. err.	Normal [95% conf.	interval]
MORTSTAT				
Assumed alive	.9654281	.005884	.9527486	.9781076
Assumed deceased	.0345719	.005884	.0218924	.0472514

```
116 .
117 . mi estimate: svy, subpop(WOMEN_FINAL): mean AGE_DEATH

    Multiple-imputation estimates   Imputations     =            5
    Survey: Mean estimation         Number of obs   =        2,085

    Number of strata  =        15   Population size =  212,496,041
    Number of PSUs    =        30   Subpop. no. obs =        1,081
                                    Subpop. size    =  109,075,572
                                    Average RVI     =       0.0000
                                    Largest FMI     =       0.0000
                                    Complete DF     =           15
    DF adjustment:   Small sample   DF:     min     =        13.33
                                            avg     =        13.33
    Within VCE type:   Linearized           max     =        13.33
```

	Mean	Std. err.	[95% conf.	interval]
AGE_DEATH	51.25872	.5811918	50.00631	52.51112

```
118 .
119 . save, replace
    file finaldata_imputed.dta saved

120 .
121 .
122 .
123 . **************DIFFERENCE BY SEX********************
124 . mi estimate: svy, subpop(SAMPLE_FINAL): reg AGE SEX

    Multiple-imputation estimates                Imputations       =            5
    Survey: Linear regression                    Number of obs     =        2,085

    Number of strata  =        15                Population size   =  212,496,041
    Number of PSUs    =        30                Subpop. no. obs   =        2,071
                                                 Subpop. size      =  212,496,041
                                                 Average RVI       =       0.0000
                                                 Largest FMI       =       0.0000
                                                 Complete DF       =           15
    DF adjustment:   Small sample                DF:     min       =        13.33
                                                         avg       =        13.33
                                                         max       =        13.33
    Model F test:       Equal FMI                F(   1,   13.3)   =         1.29
    Within VCE type:   Linearized                Prob > F          =       0.2756
```

AGE	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
SEX	.6161735	.5420318	1.14	0.276	-.5518461	1.784193
_cons	44.12153	.8111573	54.39	0.000	42.37358	45.86949

```
125 . mi estimate: svy, subpop(SAMPLE_FINAL): mlogit RACE_ETHN SEX

Multiple-imputation estimates                Imputations       =            5
Survey: Multinomial logistic regression      Number of obs     =        2,085

Number of strata  =        15                Population size   =  212,496,041
Number of PSUs    =        30                Subpop. no. obs   =        2,071
                                             Subpop. size      =  212,496,041
                                             Average RVI       =       0.0000
                                             Largest FMI       =       0.0000
                                             Complete DF       =           15
DF adjustment:   Small sample                DF:     min       =        13.33
                                                     avg       =        13.33
                                                     max       =        13.33
Model F test:       Equal FMI                F(   3,   13.3)   =         1.11
Within VCE type:   Linearized                Prob > F          =       0.3799

------------------------------------------------------------------------------
   RACE_ETHN | Coefficient  Std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
0            |  (base outcome)
-------------+----------------------------------------------------------------
1            |
         SEX |   .1603645   .1206945     1.33   0.206    -.0997191     .420448
       _cons |  -1.929838   .2289803    -8.43   0.000    -2.423265    -1.43641
-------------+----------------------------------------------------------------
2            |
         SEX |  -.0353825   .0860097    -0.41   0.687     -.220724    .1499591
       _cons |  -1.390552   .2964058    -4.69   0.000    -2.029274   -.7518298
-------------+----------------------------------------------------------------
3            |
         SEX |   .1346354   .1325294     1.02   0.328    -.1509512    .4202219
       _cons |  -2.340838   .3011822    -7.77   0.000    -2.989853   -1.691824
------------------------------------------------------------------------------

126 . mi estimate: svy, subpop(SAMPLE_FINAL): mlogit MARRIED_LIVP SEX

Multiple-imputation estimates                Imputations       =            5
Survey: Multinomial logistic regression      Number of obs     =        2,085

Number of strata  =        15                Population size   =  212,496,041
Number of PSUs    =        30                Subpop. no. obs   =        2,071
                                             Subpop. size      =  212,496,041
                                             Average RVI       =       0.0000
                                             Largest FMI       =       0.0000
                                             Complete DF       =           15
DF adjustment:   Small sample                DF:     min       =        13.33
                                                     avg       =        13.33
                                                     max       =        13.33
Model F test:       Equal FMI                F(   1,   13.3)   =         9.83
Within VCE type:   Linearized                Prob > F          =       0.0077

------------------------------------------------------------------------------
MARRIED_LIVP | Coefficient  Std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
1            |  (base outcome)
-------------+----------------------------------------------------------------
2            |
         SEX |   .2387125   .0761512     3.13   0.008     .0746148    .4028101
       _cons |  -.9776806   .1455282    -6.72   0.000    -1.291278   -.6640832
------------------------------------------------------------------------------
```

```
127 . mi estimate: svy, subpop(SAMPLE_FINAL): reg HOUSEHOLDSIZE SEX

Multiple-imputation estimates                Imputations       =          5
Survey: Linear regression                    Number of obs     =      2,085

Number of strata  =        15                Population size   =  212,496,041
Number of PSUs    =        30                Subpop. no. obs   =      2,071
                                             Subpop. size      =  212,496,041
                                             Average RVI       =     0.0000
                                             Largest FMI       =     0.0000
                                             Complete DF       =         15
DF adjustment:   Small sample                DF:     min       =      13.33
                                                     avg       =      13.33
                                                     max       =      13.33
Model F test:       Equal FMI                F(   1,   13.3)   =       1.88
Within VCE type:   Linearized                Prob > F          =     0.1927

------------------------------------------------------------------------------
HOUSEHOLDS~E | Coefficient  Std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
         SEX |  -.0903071   .0658277    -1.37   0.193    -.2321585    .0515444
       _cons |   3.346262   .1488629    22.48   0.000     3.025479    3.667045
------------------------------------------------------------------------------

128 . mi estimate: svy, subpop(SAMPLE_FINAL): mlogit PIR SEX

Multiple-imputation estimates                Imputations       =          5
Survey: Multinomial logistic regression      Number of obs     =      2,085

Number of strata  =        15                Population size   =  212,496,041
Number of PSUs    =        30                Subpop. no. obs   =      2,071
                                             Subpop. size      =  212,496,041
                                             Average RVI       =     0.0936
                                             Largest FMI       =     0.1641
                                             Complete DF       =         15
DF adjustment:   Small sample                DF:     min       =      11.00
                                                     avg       =      12.31
                                                     max       =      13.16
Model F test:       Equal FMI                F(   2,   12.2)   =       2.53
Within VCE type:   Linearized                Prob > F          =     0.1208

------------------------------------------------------------------------------
         PIR | Coefficient  Std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
1            |
         SEX |   .2557046   .1160239     2.20   0.046     .0049336    .5064756
       _cons |  -1.625367   .3033462    -5.36   0.000     -2.27992   -.9708136
-------------+----------------------------------------------------------------
2            |
         SEX |   .1010239   .1135297     0.89   0.393    -.1488659    .3509138
       _cons |  -1.317122   .2344863    -5.62   0.000    -1.827257   -.8069875
-------------+----------------------------------------------------------------
3            |  (base outcome)
------------------------------------------------------------------------------
```

```
129 . mi estimate: svy, subpop(SAMPLE_FINAL): mlogit EDUCATION SEX

Multiple-imputation estimates                Imputations       =            5
Survey: Multinomial logistic regression      Number of obs     =        2,085

Number of strata  =        15                Population size   =  212,496,041
Number of PSUs    =        30                Subpop. no. obs   =        2,071
                                             Subpop. size      =  212,496,041
                                             Average RVI       =       0.0021
                                             Largest FMI       =       0.0167
                                             Complete DF       =           15
DF adjustment:   Small sample                DF:     min       =        13.29
                                                     avg       =        13.31
                                                     max       =        13.33
Model F test:       Equal FMI                F(   4,   13.3)   =         4.65
Within VCE type:   Linearized                Prob > F          =       0.0145

------------------------------------------------------------------------------
   EDUCATION | Coefficient  Std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
1            |
         SEX |  -.5835945   .1576485    -3.70   0.003    -.9233207   -.2438682
       _cons |  -1.192205    .312372    -3.82   0.002    -1.865339   -.5190707
-------------+----------------------------------------------------------------
2            |
         SEX |  -.2219215   .1418366    -1.56   0.141    -.5276733    .0838302
       _cons |   -.737524   .2951939    -2.50   0.026    -1.373696   -.1013516
-------------+----------------------------------------------------------------
3            |
         SEX |  -.3186036   .1183479    -2.69   0.018    -.5736819   -.0635253
       _cons |  -.0291994    .183523    -0.16   0.876    -.4247096    .3663108
-------------+----------------------------------------------------------------
4            |  (base outcome)
-------------+----------------------------------------------------------------
5            |
         SEX |  -.1680804   .0895454    -1.88   0.083     -.361083    .0249222
       _cons |   .1694936   .1550434     1.09   0.294    -.1646347    .5036218
------------------------------------------------------------------------------

130 . mi estimate: svy, subpop(SAMPLE_FINAL): mlogit SMOKE SEX

Multiple-imputation estimates                Imputations       =            5
Survey: Multinomial logistic regression      Number of obs     =        2,085

Number of strata  =        15                Population size   =  212,496,041
Number of PSUs    =        30                Subpop. no. obs   =        2,071
                                             Subpop. size      =  212,496,041
                                             Average RVI       =       0.0000
                                             Largest FMI       =       0.0129
                                             Complete DF       =           15
DF adjustment:   Small sample                DF:     min       =        13.33
                                                     avg       =        13.33
                                                     max       =        13.33
Model F test:       Equal FMI                F(   2,   13.3)   =        41.37
Within VCE type:   Linearized                Prob > F          =       0.0000
```

SMOKE	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
1	(base outcome)					
2						
SEX	**-.7668556**	**.0867985**	**-8.83**	**0.000**	**-.9538987**	**-.5798125**
_cons	**.2075603**	**.1733971**	**1.20**	**0.252**	**-.1660949**	**.5812154**
3						
SEX	**-.2908608**	**.1069805**	**-2.72**	**0.017**	**-.5213934**	**-.0603282**
_cons	**-.5284202**	**.1906657**	**-2.77**	**0.016**	**-.9392866**	**-.1175538**

131 . mi estimate: svy, subpop(SAMPLE_FINAL): mlogit ALCOHOL SEX

Multiple-imputation estimates — Imputations = **5**
Survey: Multinomial logistic regression — Number of obs = **2,085**

Number of strata = **15** — Population size = **212,496,041**
Number of PSUs = **30** — Subpop. no. obs = **2,071**
Subpop. size = **212,496,041**
Average RVI = **0.0077**
Largest FMI = **0.0203**
Complete DF = **15**
DF adjustment: **Small sample** — DF: min = **13.24**
avg = **13.28**
max = **13.32**
Model F test: **Equal FMI** — F(**1**, **13.3**) = **69.75**
Within VCE type: **Linearized** — Prob > F = **0.0000**

ALCOHOL	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
1	(base outcome)					
2						
SEX	**.9614994**	**.1151305**	**8.35**	**0.000**	**.7133738**	**1.209625**
_cons	**-2.762573**	**.2554701**	**-10.81**	**0.000**	**-3.313467**	**-2.211678**

132 . mi estimate: svy, subpop(SAMPLE_FINAL): mlogit DRUG_USER_EVER SEX

Multiple-imputation estimates — Imputations = **5**
Survey: Multinomial logistic regression — Number of obs = **2,085**

Number of strata = **15** — Population size = **212,496,041**
Number of PSUs = **30** — Subpop. no. obs = **2,071**
Subpop. size = **212,496,041**
Average RVI = **0.0000**
Largest FMI = **0.0000**
Complete DF = **15**
DF adjustment: **Small sample** — DF: min = **13.33**
avg = **13.33**
max = **13.33**
Model F test: **Equal FMI** — F(**1**, **13.3**) = **39.14**
Within VCE type: **Linearized** — Prob > F = **0.0000**

DRUG_USER_~R	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
0	(base outcome)					
1						
SEX	**-.5626849**	**.0899416**	**-6.26**	**0.000**	**-.7564993**	**-.3688706**
_cons	**.6694405**	**.1721586**	**3.89**	**0.002**	**.2984573**	**1.040424**

133 . mi estimate: svy, subpop(SAMPLE_FINAL): reg DR12TKCAL SEX

Multiple-imputation estimates — Imputations = **5**
Survey: Linear regression — Number of obs = **2,085**

Number of strata = **15** — Population size = **212,496,041**
Number of PSUs = **30** — Subpop. no. obs = **2,071**
Subpop. size = **212,496,041**
Average RVI = **0.2989**
Largest FMI = **0.2418**
Complete DF = **15**
DF adjustment: **Small sample** — DF: min = **9.65**
avg = **9.72**
max = **9.79**
Model F test: **Equal FMI** — F(**1**, **9.8**) = **151.93**
Within VCE type: **Linearized** — Prob > F = **0.0000**

DR12TKCAL	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
SEX	**-610.8668**	**49.55968**	**-12.33**	**0.000**	**-721.6164**	**-500.1172**
_cons	**3046.436**	**86.35652**	**35.28**	**0.000**	**2853.069**	**3239.803**

134 . mi estimate: svy, subpop(SAMPLE_FINAL): reg DASH_TOTAL_SCORE SEX

Multiple-imputation estimates — Imputations = **5**
Survey: Linear regression — Number of obs = **2,085**

Number of strata = **15** — Population size = **212,496,041**
Number of PSUs = **30** — Subpop. no. obs = **2,071**
Subpop. size = **212,496,041**
Average RVI = **0.4192**
Largest FMI = **0.4724**
Complete DF = **15**
DF adjustment: **Small sample** — DF: min = **6.08**
avg = **7.97**
max = **9.86**
Model F test: **Equal FMI** — F(**1**, **6.1**) = **12.11**
Within VCE type: **Linearized** — Prob > F = **0.0129**

DASH_TOTAL~E	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
SEX	**.2158727**	**.0620453**	**3.48**	**0.013**	**.0645459**	**.3671995**
_cons	**1.815587**	**.1136126**	**15.98**	**0.000**	**1.561946**	**2.069228**

```
135 . mi estimate: svy, subpop(SAMPLE_FINAL): reg PHYSICAL_days_average SEX

Multiple-imputation estimates                Imputations       =          5
Survey: Linear regression                    Number of obs     =      2,085

Number of strata  =        15                Population size   =  212,496,041
Number of PSUs    =        30                Subpop. no. obs   =      2,071
                                             Subpop. size      =  212,496,041
                                             Average RVI       =     0.0000
                                             Largest FMI       =     0.0000
                                             Complete DF       =         15
DF adjustment:   Small sample                DF:     min       =      13.33
                                                     avg       =      13.33
                                                     max       =      13.33
Model F test:       Equal FMI                F(   1,   13.3)   =      11.37
Within VCE type:   Linearized                Prob > F          =     0.0049

------------------------------------------------------------------------------
PHYSICAL_d~e | Coefficient  Std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
         SEX |  -1155.613   342.7703    -3.37   0.005    -1894.246   -416.9802
       _cons |   3807.789   608.3349     6.26   0.000     2496.893    5118.684
------------------------------------------------------------------------------

136 . mi estimate: svy, subpop(SAMPLE_FINAL): mlogit SELF_RATED_HEALTH SEX

Multiple-imputation estimates                Imputations       =          5
Survey: Multinomial logistic regression      Number of obs     =      2,085

Number of strata  =        15                Population size   =  212,496,041
Number of PSUs    =        30                Subpop. no. obs   =      2,071
                                             Subpop. size      =  212,496,041
                                             Average RVI       =     0.0260
                                             Largest FMI       =     0.0463
                                             Complete DF       =         15
DF adjustment:   Small sample                DF:     min       =      12.89
                                                     avg       =      12.99
                                                     max       =      13.09
Model F test:       Equal FMI                F(   1,   12.9)   =       3.74
Within VCE type:   Linearized                Prob > F          =     0.0752

------------------------------------------------------------------------------
SELF_RATED~H | Coefficient  Std. err.      t    P>|t|     [95% conf. interval]
-------------+----------------------------------------------------------------
1            |  (base outcome)
-------------+----------------------------------------------------------------
2            |
         SEX |   .1772911   .0916188     1.94   0.075    -.0208066    .3753889
       _cons |  -1.767256   .2200732    -8.03   0.000    -2.242374   -1.292138
------------------------------------------------------------------------------

137 . mi estimate: svy, subpop(SAMPLE_FINAL): mlogit CVD_CANCER_HISTORY SEX

Multiple-imputation estimates                Imputations       =          5
Survey: Multinomial logistic regression      Number of obs     =      2,085
```

```
Number of strata  =        15                 Population size   =  212,496,041
Number of PSUs    =        30                 Subpop. no. obs   =        2,071
                                              Subpop. size      =  212,496,041
                                              Average RVI       =       0.0000
                                              Largest FMI       =       0.0000
                                              Complete DF       =           15
DF adjustment:   Small sample                 DF:     min       =        13.33
                                                      avg       =        13.33
                                                      max       =        13.33
Model F test:       Equal FMI                 F(   1,   13.3)   =         1.00
Within VCE type:   Linearized                 Prob > F          =       0.3356
```

CVD_CANCER~Y	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
0	(base outcome)					
1						
SEX	-.1568716	.1570336	-1.00	0.336	-.4952619	.1815187
_cons	-1.533991	.2644711	-5.80	0.000	-2.103898	-.9640845

```
138 .
139 . foreach x of varlist BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12_serumsi  LNNFL
  2.         mi estimate: svy, subpop(SAMPLE_FINAL): reg `x' SEX
  3. }

Multiple-imputation estimates                 Imputations       =            5
Survey: Linear regression                     Number of obs     =        2,085

Number of strata  =        15                 Population size   =  212,496,041
Number of PSUs    =        30                 Subpop. no. obs   =        2,071
                                              Subpop. size      =  212,496,041
                                              Average RVI       =       0.0036
                                              Largest FMI       =       0.0197
                                              Complete DF       =           15
DF adjustment:   Small sample                 DF:     min       =        13.25
                                                      avg       =        13.26
                                                      max       =        13.28
Model F test:       Equal FMI                 F(   1,   13.2)   =        14.95
Within VCE type:   Linearized                 Prob > F          =       0.0019
```

BMI	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
SEX	1.270458	.3285574	3.87	0.002	.5619971	1.978918
_cons	27.44134	.6043169	45.41	0.000	26.13856	28.74412

```
Multiple-imputation estimates                 Imputations       =            5
Survey: Linear regression                     Number of obs     =        2,085

Number of strata  =        15                 Population size   =  212,496,041
Number of PSUs    =        30                 Subpop. no. obs   =        2,071
                                              Subpop. size      =  212,496,041
                                              Average RVI       =       0.0481
                                              Largest FMI       =       0.0969
                                              Complete DF       =           15
DF adjustment:   Small sample                 DF:     min       =        12.12
                                                      avg       =        12.28
                                                      max       =        12.43
Model F test:       Equal FMI                 F(   1,   12.1)   =        13.09
Within VCE type:   Linearized                 Prob > F          =       0.0035
```

SBP	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
SEX	-3.113874	.8605101	-3.62	0.003	-4.986639	-1.241109
_cons	124.5387	1.433604	86.87	0.000	121.4271	127.6503

Multiple-imputation estimates — Imputations = 5
Survey: Linear regression — Number of obs = 2,085

Number of strata = 15 — Population size = 212,496,041
Number of PSUs = 30 — Subpop. no. obs = 2,071
Subpop. size = 212,496,041
Average RVI = 0.1714
Largest FMI = 0.1277
Complete DF = 15
DF adjustment: Small sample — DF: min = 11.62
avg = 12.18
max = 12.73
Model F test: Equal FMI — F(1, 11.6) = 15.51
Within VCE type: Linearized — Prob > F = 0.0021

DBP	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
SEX	-2.200573	.558825	-3.94	0.002	-3.422612	-.978534
_cons	72.60552	1.106838	65.60	0.000	70.20923	75.0018

Multiple-imputation estimates — Imputations = 5
Survey: Linear regression — Number of obs = 2,085

Number of strata = 15 — Population size = 212,496,041
Number of PSUs = 30 — Subpop. no. obs = 2,071
Subpop. size = 212,496,041
Average RVI = 0.0000
Largest FMI = 0.0000
Complete DF = 15
DF adjustment: Small sample — DF: min = 13.33
avg = 13.33
max = 13.33
Model F test: Equal FMI — F(1, 13.3) = 5.96
Within VCE type: Linearized — Prob > F = 0.0293

TOTALCHOLE~I	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
SEX	.1123722	.0460363	2.44	0.029	.013169	.2115754
_cons	4.722425	.0725791	65.07	0.000	4.566025	4.878825

Multiple-imputation estimates — Imputations = 5
Survey: Linear regression — Number of obs = 2,085

Number of strata = 15 — Population size = 212,496,041
Number of PSUs = 30 — Subpop. no. obs = 2,071
Subpop. size = 212,496,041
Average RVI = 0.0003
Largest FMI = 0.0131
Complete DF = 15
DF adjustment: Small sample — DF: min = 13.33
avg = 13.33
max = 13.33
Model F test: Equal FMI — F(1, 13.3) = 1.39
Within VCE type: Linearized — Prob > F = 0.2584

HBA1C	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
SEX	-.0527281	.0446571	-1.18	0.258	-.1489626	.0435065
_cons	5.681948	.0721293	78.77	0.000	5.526515	5.837381

Multiple-imputation estimates — Imputations = 5
Survey: Linear regression — Number of obs = 2,085

Number of strata = 15 — Population size = 212,496,041
Number of PSUs = 30 — Subpop. no. obs = 2,071
Subpop. size = 212,496,041
Average RVI = 0.0206
Largest FMI = 0.0474
Complete DF = 15
DF adjustment: Small sample — DF: min = 12.88
avg = 12.89
max = 12.91
Model F test: Equal FMI — F(1, 12.9) = 78.63
Within VCE type: Linearized — Prob > F = 0.0000

LnACR	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
SEX	.3552201	.0400604	8.87	0.000	.2686106	.4418296
_cons	1.604696	.0615015	26.09	0.000	1.4717	1.737691

Multiple-imputation estimates — Imputations = 5
Survey: Linear regression — Number of obs = 2,085

Number of strata = 15 — Population size = 212,496,041
Number of PSUs = 30 — Subpop. no. obs = 2,071
Subpop. size = 212,496,041
Average RVI = 0.0000
Largest FMI = 0.0000
Complete DF = 15
DF adjustment: Small sample — DF: min = 13.33
avg = 13.33
max = 13.33
Model F test: Equal FMI — F(1, 13.3) = 12.94
Within VCE type: Linearized — Prob > F = 0.0031

VitaminD_s~m	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
SEX	5.970813	1.659993	3.60	0.003	2.393709	9.547917
_cons	55.23158	2.354499	23.46	0.000	50.15789	60.30527

Multiple-imputation estimates — Imputations = 5
Survey: Linear regression — Number of obs = 2,085

Number of strata = 15 — Population size = 212,496,041
Number of PSUs = 30 — Subpop. no. obs = 2,071
Subpop. size = 212,496,041
Average RVI = 0.0045
Largest FMI = 0.0201
Complete DF = 15
DF adjustment: Small sample — DF: min = 13.24
avg = 13.27
max = 13.29
Model F test: Equal FMI — F(1, 13.2) = 6.70
Within VCE type: Linearized — Prob > F = 0.0223

folate_RBCSI	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
SEX	**56.02783**	**21.65242**	**2.59**	**0.022**	**9.337419**	**102.7182**
_cons	**1158.916**	**34.21687**	**33.87**	**0.000**	**1085.159**	**1232.673**

Multiple-imputation estimates — Imputations = **5**
Survey: Linear regression — Number of obs = **2,085**

Number of strata = **15** — Population size = **212,496,041**
Number of PSUs = **30** — Subpop. no. obs = **2,071**
Subpop. size = **212,496,041**
Average RVI = **0.0003**
Largest FMI = **0.0131**
Complete DF = **15**
DF adjustment: **Small sample** — DF: min = **13.33**
avg = **13.33**
max = **13.33**
Model F test: **Equal FMI** — F(**1**, **13.3**) = **7.51**
Within VCE type: **Linearized** — Prob > F = **0.0165**

vitaminb12~i	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
SEX	**105.0886**	**38.33569**	**2.74**	**0.017**	**22.47816**	**187.6991**
_cons	**442.9438**	**41.62289**	**10.64**	**0.000**	**353.2479**	**532.6398**

Multiple-imputation estimates — Imputations = **5**
Survey: Linear regression — Number of obs = **2,085**

Number of strata = **15** — Population size = **212,496,041**
Number of PSUs = **30** — Subpop. no. obs = **2,071**
Subpop. size = **212,496,041**
Average RVI = **0.0000**
Largest FMI = **0.0000**
Complete DF = **15**
DF adjustment: **Small sample** — DF: min = **13.33**
avg = **13.33**
max = **13.33**
Model F test: **Equal FMI** — F(**1**, **13.3**) = **17.90**
Within VCE type: **Linearized** — Prob > F = **0.0009**

LNNFL	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
SEX	**-.1110485**	**.0262445**	**-4.23**	**0.001**	**-.1676026**	**-.0544943**
_cons	**2.705196**	**.0515441**	**52.48**	**0.000**	**2.594124**	**2.816268**

```
140 .
141 . mi estimate: svy, subpop(SAMPLE_FINAL): mlogit LNNFLMEDIAN SEX
```

Multiple-imputation estimates — Imputations = **5**
Survey: Multinomial logistic regression — Number of obs = **2,085**

```
Number of strata  =        15                 Population size   =  212,496,041
Number of PSUs    =        30                 Subpop. no. obs   =        2,071
                                              Subpop. size      =  212,496,041
                                              Average RVI       =       0.0000
                                              Largest FMI       =       0.0000
                                              Complete DF       =           15
DF adjustment:   Small sample                 DF:     min       =        13.33
                                                      avg       =        13.33
                                                      max       =        13.33
Model F test:       Equal FMI                 F(   1,   13.3)   =         4.73
Within VCE type:   Linearized                 Prob > F          =       0.0482
```

LNNFLMEDIAN	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
1	(base outcome)					
2						
SEX	**-.2030094**	**.0933407**	**-2.17**	**0.048**	**-.4041484**	**-.0018704**
_cons	**.2339173**	**.1552597**	**1.51**	**0.155**	**-.1006504**	**.5684851**

```
142 .
143 . mi estimate: svy, subpop(SAMPLE_FINAL): mlogit MORTSTAT SEX

Multiple-imputation estimates                 Imputations       =           5
Survey: Multinomial logistic regression       Number of obs     =       2,085

Number of strata  =        15                 Population size   =  212,496,041
Number of PSUs    =        30                 Subpop. no. obs   =        2,071
                                              Subpop. size      =  212,496,041
                                              Average RVI       =       0.0000
                                              Largest FMI       =       0.0000
                                              Complete DF       =           15
DF adjustment:   Small sample                 DF:     min       =        13.33
                                                      avg       =        13.33
                                                      max       =        13.33
Model F test:       Equal FMI                 F(   1,   13.3)   =         0.01
Within VCE type:   Linearized                 Prob > F          =       0.9138
```

MORTSTAT	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
Assumed_alive	(base outcome)					
Assumed_deceased						
SEX	**-.0272959**	**.2473613**	**-0.11**	**0.914**	**-.5603325**	**.5057408**
_cons	**-3.274939**	**.4356114**	**-7.52**	**0.000**	**-4.213634**	**-2.336243**

```
144 .
145 . mi estimate: svy, subpop(SAMPLE_FINAL): reg AGE_DEATH SEX

Multiple-imputation estimates                 Imputations       =           5
Survey: Linear regression                     Number of obs     =       2,085
```

```
Number of strata  =        15                 Population size   =  212,496,041
Number of PSUs    =        30                 Subpop. no. obs   =      2,071
                                              Subpop. size      =  212,496,041
                                              Average RVI       =     0.0000
                                              Largest FMI       =     0.0000
                                              Complete DF       =         15
DF adjustment:   Small sample                 DF:     min       =      13.33
                                                      avg       =      13.33
                                                      max       =      13.33
Model F test:       Equal FMI                 F(   1,   13.3)   =       1.37
Within VCE type:   Linearized                 Prob > F          =     0.2617
```

AGE_DEATH	Coefficient	Std. err.	t	P>|t|	[95% conf.	interval]
SEX	.6404323	.5464171	1.17	0.262	-.5370371	1.817902
_cons	49.97785	.8475864	58.96	0.000	48.1514	51.80431

```
146 .
147 . save, replace
    file finaldata_imputed.dta saved

148 .
149 .
150 .
151 . capture log close
```