



```

name: <unnamed>
log: E:\16GBBACKUPUSB\BACKUP_USB_SEPTEMBER2014\May Baydoun_folder\NHANES_NFL_MORTALITY_PAPER\OUTPUT\TABLE3.smc1
log type: smc1
opened on: 2 Nov 2022, 10:19:04

```

```

1 .
2 .
3 . use finaldata_imputed,clear

4 .
5 .
6 . mi stset AGE_DEATH [pweight = WTSSNH2Y], failure(MORTSTAT==1) enter(AGE) id(SEQN) scale(1)

```

Survival-time data settings

```

ID variable: SEQN
Failure event: MORTSTAT==1
Observed time interval: (AGE_DEATH[_n-1], AGE_DEATH]
Enter on or after: time AGE
Exit on or before: failure
Weight: [pweight=WTSSNH2Y]

```

10,175	total observations	
4,262	event time missing (AGE_DEATH>=.)	PROBABLE ERROR
1	observation ends on or before enter()	
3,842	weights invalid	PROBABLE ERROR
2,070	observations remaining, representing	
2,070	subjects	
84	failures in single-failure-per-subject data	
12,191.917	total analysis time at risk and under observation	
	At risk from t =	0
	Earliest observed entry t =	20
	Last observed exit t =	81.83334

```

7 .
8 . capture drop RACE_ETHNg* PIRg* EDUCATIONg* SMOKEg* ALCOHOLg*

9 .
10 . tab RACE_ETHN,generate(RACE_ETHNg)

```

RACE_ETHN	Freq.	Percent	Cum.
0	22,044	36.11	36.11
1	13,602	22.28	58.39
2	16,140	26.44	84.83
3	9,264	15.17	100.00
Total	61,050	100.00	

```

11 .
12 . tab PIR, generate(PIRg)

```

PIR	Freq.	Percent	Cum.
1	16,866	28.79	28.79
2	15,128	25.82	54.61
3	26,596	45.39	100.00
Total	58,590	100.00	

```
13 .
14 . tab EDUCATION, generate(EDUCATIONg)
```

EDUCATION	Freq.	Percent	Cum.
1	2,732	7.89	7.89
2	4,750	13.73	21.62
3	7,829	22.62	44.24
4	10,631	30.72	74.96
5	8,665	25.04	100.00
Total	34,607	100.00	

```
15 .
16 . tab SMOKE, generate(SMOKEg)
```

SMOKE	Freq.	Percent	Cum.
1	21,194	57.79	57.79
2	8,088	22.05	79.84
3	7,394	20.16	100.00
Total	36,676	100.00	

```
17 .
18 . tab ALCOHOL, generate(ALCOHOLg)
```

ALCOHOL	Freq.	Percent	Cum.
1	24,739	69.05	69.05
2	11,089	30.95	100.00
Total	35,828	100.00	

```
19 .
20 .
21 . save, replace
    file finaldata_imputed.dta saved
```

```
22 .
23 . *****TABLE 3: MODEL 2*****
24 .
25 . *****OVERALL*****
26 .
27 .
28 . *****BMI*****
29 . capture drop zBMI
```

```
30 . mi passive: egen zBMI=std(BMI) if SAMPLE_FINAL==1
    m=0:
    (8,120 missing values generated)
    m=1:
    (8,104 missing values generated)
    m=2:
    (8,104 missing values generated)
    m=3:
    (8,104 missing values generated)
    m=4:
    (8,104 missing values generated)
    m=5:
    (8,104 missing values generated)
    (6710 values of passive variable zBMI in m>0 updated to match values in m=0)
```

```

31 .
32 .
33 . mi estimate, cmdok esampvaryaok: med4way ZLNNFL zBMI SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP
> ICAL_days_average SELF_RATED_HEALTH CVD_CANCER_HISTORY SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSize
> ge SELF_RATED_HEALTH CVD_CANCER_HISTORY SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12
type mismatch: exp.exp: transmorphic found where struct expected
r(3000);

end of do-file


r(3000);

34 . do "C:\Users\baydownm\AppData\Local\Temp\STD4b74_000000.tmp"

35 .
36 . *****TABLE 3: MODEL 2*****
37 .
38 . *****OVERALL*****
39 .
40 .
41 . *****BMI*****
42 . capture drop zBMI

43 . mi passive: egen zBMI=std(BMI) if SAMPLE_FINAL==1
(passive variable zBMI unregistered because not in m=0)
m=0:
(8,120 missing values generated)
m=1:
(8,104 missing values generated)
m=2:
(8,104 missing values generated)
m=3:
(8,104 missing values generated)
m=4:
(8,104 missing values generated)
m=5:
(8,104 missing values generated)
(6710 values of passive variable zBMI in m>0 updated to match values in m=0)

44 .
45 .
46 . mi estimate, cmdok esampvaryaok: med4way ZLNNFL zBMI SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP
> ICAL_days_average SELF_RATED_HEALTH CVD_CANCER_HISTORY SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSize
> ge SELF_RATED_HEALTH CVD_CANCER_HISTORY SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSize
> ge SELF_RATED_HEALTH CVD_CANCER_HISTORY SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSize
> ge SELF_RATED_HEALTH CVD_CANCER_HISTORY SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSize
> ge SELF_RATED_HEALTH CVD_CANCER_HISTORY SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12
Warning: this analysis assumes a rare outcome.
```

Multiple-imputation estimates	Imputations	=	5
	Number of obs	=	2,071
	Average RVI	=	0.0499
	Largest FMI	=	0.1078
DF adjustment: Large sample	DF: min	=	376.53
	avg	=	4,742.87
	max	=	8,834.23

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.6122456	.1944516	3.15	0.002	.2310754	.9934159
ereri_cde	.6284088	.1912132	3.29	0.001	.2535808	1.003237
ereri_intref	-.0177588	.0258707	-0.69	0.492	-.068487	.0329694
ereri_intmed	-.0145708	.0169486	-0.86	0.390	-.0478965	.0187549
ereri_pie	.0161664	.0120249	1.34	0.179	-.0074094	.0397422

47 .

48 .

49 . *****SBP*****

50 . capture drop zSBP

51 . mi passive: egen zSBP=std(SBP) if SAMPLE_FINAL==1

m=0:

(8,302 missing values generated)

m=1:

(8,104 missing values generated)

m=2:

(8,104 missing values generated)

m=3:

(8,104 missing values generated)

m=4:

(8,104 missing values generated)

m=5:

(8,104 missing values generated)

(6710 values of passive variable zSBP in m>0 updated to match values in m=0)

52 .

53 . mi estimate, cmdok: med4way ZLNNFL zSBP SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE

> verage SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12

Warning: this analysis assumes a rare outcome.

Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE

> ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12

Warning: this analysis assumes a rare outcome.

Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE

> ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12

Warning: this analysis assumes a rare outcome.

Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE

> ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12

Warning: this analysis assumes a rare outcome.

Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE

> ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12

Warning: this analysis assumes a rare outcome.

Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE

> ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12

Multiple-imputation estimates	Imputations	=	5
	Number of obs	=	2,071
	Average RVI	=	0.0360
	Largest FMI	=	0.1084
DF adjustment: Large sample	DF: min	=	372.47
	avg	=	4,044.05
	max	=	9,519.77

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.6184182	.1834854	3.37	0.001	.2587477	.9780887
ereri_cde	.6642309	.1912462	3.47	0.001	.2892904	1.039171
ereri_intref	-.0015218	.013565	-0.11	0.911	-.0281383	.0250948
ereri_intmed	-.0096827	.0116449	-0.83	0.406	-.032512	.0131466
ereri_pie	-.0346082	.0332963	-1.04	0.299	-.1000805	.0308641

```

54 .
55 .
56 . *****DBP*****
57 . capture drop zDBP

58 . mi passive: egen zDBP=std(DBP) if SAMPLE_FINAL==1
    m=0:
    (8,302 missing values generated)
    m=1:
    (8,104 missing values generated)
    m=2:
    (8,104 missing values generated)
    m=3:
    (8,104 missing values generated)
    m=4:
    (8,104 missing values generated)
    m=5:
    (8,104 missing values generated)
    (6710 values of passive variable zDBP in m>0 updated to match values in m=0)

59 .
60 . mi estimate, cmdok: med4way ZLNNFL zDBP SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > verage SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12
    Warning: this analysis assumes a rare outcome.

Multiple-imputation estimates          Imputations      =          5
                                      Number of obs      =        2,071
                                      Average RVI        =        0.1868
                                      Largest FMI        =        0.3469
DF adjustment:  Large sample          DF:      min      =        40.26
                                      avg              =       1,184.96
                                      max              =       3,055.70

```

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.671619	.197163	3.41	0.001	.2850334	1.058204
ereri_cde	.6722679	.1971503	3.41	0.001	.285682	1.058854
ereri_intref	.0073877	.0200599	0.37	0.714	-.0330695	.0478449
ereri_intmed	-.0073178	.0076214	-0.96	0.338	-.0223663	.0077306
ereri_pie	-.0007188	.0113147	-0.06	0.950	-.0235821	.0221445

```

61 .
62 .
63 .
64 . *****TOTAL CHOLESTEROL*****
65 .
66 .
67 . capture drop zTOTALCHOLESTEROLSI

68 . mi passive: egen zTOTALCHOLESTEROLSI=std(TOTALCHOLESTEROLSI) if SAMPLE_FINAL==1
    m=0:
    (8,104 missing values generated)
    m=1:
    (8,104 missing values generated)
    m=2:
    (8,104 missing values generated)
    m=3:
    (8,104 missing values generated)
    m=4:
    (8,104 missing values generated)
    m=5:
    (8,104 missing values generated)

69 .
70 . mi estimate, cmdok: med4way ZLNNFL zTOTALCHOLESTEROLSI SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP
    > PHYSICAL_days_average SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12_serumsi invmil
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12_serumsi invmil
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12_serumsi invmil
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12_serumsi invmil
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12_serumsi invmil
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12_serumsi invmil

```

```

Multiple-imputation estimates      Imputations      =      5
                                   Number of obs      =    2,071
                                   Average RVI          =    0.0337
                                   Largest FMI          =    0.0400
DF adjustment:  Large sample      DF:    min       =    2,597.96
                                   avg         =   17,163.38
                                   max         =   73,563.18

```

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.6974164	.2127349	3.28	0.001	.2803107	1.114522
ereri_cde	.7108776	.2189899	3.25	0.001	.2814801	1.140275
ereri_intref	-.0073968	.0287514	-0.26	0.797	-.0637678	.0489742
ereri_intmed	-.0009369	.002583	-0.36	0.717	-.0060018	.0041281
ereri_pie	-.0051275	.0082788	-0.62	0.536	-.0213539	.0110988

```

71 .
72 .
73 . *****HBA1C*****
74 .
75 . capture drop zHBA1C

76 . mi passive: egen zHBA1C=std(HBA1C) if SAMPLE_FINAL==1
    m=0:
    (8,105 missing values generated)
    m=1:
    (8,104 missing values generated)
    m=2:
    (8,104 missing values generated)
    m=3:
    (8,104 missing values generated)
    m=4:
    (8,104 missing values generated)
    m=5:
    (8,104 missing values generated)
    (6710 values of passive variable zHBA1C in m>0 updated to match values in m=0)

77 .
78 . mi estimate, cmdok: med4way ZLNNFL zHBA1C SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLD
    > s_average SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI LnACR VitaminD_serum folate_RBCSI vitaminb12_s
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLD SIZE
> ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI LnACR VitaminD_serum folate_RBCSI vitaminb12_s
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLD SIZE
> ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI LnACR VitaminD_serum folate_RBCSI vitaminb12_s
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLD SIZE
> ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI LnACR VitaminD_serum folate_RBCSI vitaminb12_s
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLD SIZE
> ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI LnACR VitaminD_serum folate_RBCSI vitaminb12_s
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLD SIZE
> ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI LnACR VitaminD_serum folate_RBCSI vitaminb12_s

Multiple-imputation estimates          Imputations      =          5
                                     Number of obs      =        2,071
                                     Average RVI         =        0.0279
                                     Largest FMI         =        0.0571
DF adjustment:  Large sample          DF:      min      =        1,290.44
                                     avg                =        3,680.67
                                     max                =        5,023.61

```

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.5123431	.2205372	2.32	0.020	.0799164	.9447699
ereri_cde	.5253468	.1993408	2.64	0.008	.134536	.9161576
ereri_intref	-.0116259	.0215244	-0.54	0.589	-.053823	.0305713
ereri_intmed	.0316727	.0142887	2.22	0.027	.0036411	.0597043
ereri_pie	-.0330505	.0307667	-1.07	0.283	-.093367	.0272659

```

79 .
80 .
81 . *****ACR*****
82 .
83 .
84 . capture drop zLnACR

85 . mi passive: egen zLnACR=std(LnACR) if SAMPLE_FINAL==1
    m=0:
    (8,139 missing values generated)
    m=1:
    (8,104 missing values generated)
    m=2:
    (8,104 missing values generated)
    m=3:
    (8,104 missing values generated)
    m=4:
    (8,104 missing values generated)
    m=5:
    (8,104 missing values generated)
    (6710 values of passive variable zLnACR in m>0 updated to match values in m=0)

86 .
87 . mi estimate, cmdok: med4way ZLNNFL zLnACR SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > s_average SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C VitaminD_serum folate_RBCSI vitaminb12_s
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C VitaminD_serum folate_RBCSI vitaminb12_s
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C VitaminD_serum folate_RBCSI vitaminb12_s
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C VitaminD_serum folate_RBCSI vitaminb12_s
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C VitaminD_serum folate_RBCSI vitaminb12_s
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C VitaminD_serum folate_RBCSI vitaminb12_s

Multiple-imputation estimates          Imputations      =          5
                                      Number of obs      =       2,071
                                      Average RVI         =       0.0953
                                      Largest FMI         =       0.1147
DF adjustment:  Large sample          DF:      min       =       334.39
                                      avg         =       817.30
                                      max         =       1,190.32

```

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.6116842	.2120297	2.88	0.004	.1953587	1.02801
ereri_cde	.5319557	.2087046	2.55	0.011	.1214162	.9424951
ereri_intref	.0524016	.0312469	1.68	0.094	-.0089137	.1137168
ereri_intmed	.0172149	.0099458	1.73	0.084	-.0022984	.0367282
ereri_pie	.010112	.0131153	0.77	0.441	-.0156293	.0358534


```

88 .
89 .
90 .
91 . *****VITAMIN D*****
92 .
93 .
94 . capture drop zVitaminD_serum

95 . mi passive: egen zVitaminD_serum=std(VitaminD_serum) if SAMPLE_FINAL==1
    m=0:
    (8,104 missing values generated)
    m=1:
    (8,104 missing values generated)
    m=2:
    (8,104 missing values generated)
    m=3:
    (8,104 missing values generated)
    m=4:
    (8,104 missing values generated)
    m=5:
    (8,104 missing values generated)

96 .
97 . mi estimate, cmdok: med4way ZLNNFL zVitaminD_serum SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP
    > SICAL_days_average SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR folate_RBCSI vitaminb12_serumsi in
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLD SIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR folate_RBCSI vitaminb12_serumsi in
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLD SIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR folate_RBCSI vitaminb12_serumsi in
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLD SIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR folate_RBCSI vitaminb12_serumsi in
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLD SIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR folate_RBCSI vitaminb12_serumsi in
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLD SIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR folate_RBCSI vitaminb12_serumsi in
Warning: this analysis assumes a rare outcome.

Multiple-imputation estimates      Imputations      =      5
                                  Number of obs      =    2,071
                                  Average RVI         =    0.0157
                                  Largest FMI         =    0.0338
DF adjustment:  Large sample      DF:      min      =    3,618.94
                                  avg                  =   14,614.87
                                  max                  =   55,499.82

```

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.6114397	.1968077	3.11	0.002	.2255747	.9973046
ereri_cde	.6353589	.1907856	3.33	0.001	.261326	1.009392
ereri_intref	.0364856	.0369408	0.99	0.323	-.0359341	.1089054
ereri_intmed	-.0246549	.0155086	-1.59	0.112	-.0550597	.0057499
ereri_pie	-.03575	.0165436	-2.16	0.031	-.0681755	-.0033245

```

98 .
99 .
100 .
101 . *****RBC folate*****
102 .
103 .
104 . capture drop zfolate_RBCSI

105 . mi passive: egen zfolate_RBCSI=std(folate_RBCSI) if SAMPLE_FINAL==1
    m=0:
    (8,130 missing values generated)
    m=1:
    (8,104 missing values generated)
    m=2:
    (8,104 missing values generated)
    m=3:
    (8,104 missing values generated)
    m=4:
    (8,104 missing values generated)
    m=5:
    (8,104 missing values generated)
    (6710 values of passive variable zfolate_RBCSI in m>0 updated to match values in m=0)

106 .
107 . mi estimate, cmdok: med4way ZLNNFL zfolate_RBCSI SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP H
    > CAL_days_average SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum vitam
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum vitaminb12_serumsi
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum vitaminb12_serumsi
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum vitaminb12_serumsi
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum vitaminb12_serumsi
    Warning: this analysis assumes a rare outcome.
    Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
    > ge SELF_RATED_HEALTH CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum vitaminb12_serumsi

Multiple-imputation estimates      Imputations      =      5
                                   Number of obs      =    2,071
                                   Average RVI          =    0.0325
                                   Largest FMI          =    0.0450
DF adjustment:  Large sample      DF:      min      =    2,061.74
                                   avg                  =    6,174.44
                                   max                  =   12,226.49

```

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.7460759	.2022314	3.69	0.000	.3495785	1.142573
ereri_cde	.7558874	.2036246	3.71	0.000	.3566812	1.155094
ereri_intref	-.020083	.0150424	-1.34	0.182	-.0495699	.0094038
ereri_intmed	-.005054	.0068776	-0.73	0.463	-.0185418	.0084337
ereri_pie	.0153256	.0082905	1.85	0.065	-.0009252	.0315764

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.6469915	.2083684	3.11	0.002	.2384457	1.055537
ereri_cde	.6142321	.2044242	3.00	0.003	.2134547	1.01501
ereri_intref	.0243534	.012787	1.90	0.057	-.0007343	.0494412
ereri_intmed	.0064132	.0061535	1.04	0.297	-.005649	.0184754
ereri_pie	.0019927	.0031078	0.64	0.521	-.004103	.0080884

```

116 .
117 .
118 . *****CO-MORBIDITY*****
119 .
120 . mi estimate, cmdok: med4way ZLNNFL CVD_CANCER_HISTORY SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_L
> PHYSICAL_days_average SELF_RATED_HEALTH BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitam
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
> ge SELF_RATED_HEALTH BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12_serumsi invmil
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
> ge SELF_RATED_HEALTH BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12_serumsi invmil
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
> ge SELF_RATED_HEALTH BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12_serumsi invmil
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
> ge SELF_RATED_HEALTH BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12_serumsi invmil
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
> ge SELF_RATED_HEALTH BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12_serumsi invmil

```

```

Multiple-imputation estimates          Imputations      =          5
                                      Number of obs      =       2,071
                                      Average RVI         =       0.0146
                                      Largest FMI         =       0.0172
DF adjustment:  Large sample          DF:      min      =   13,751.32
                                      avg                  =  121,775.69
                                      max                  =   500,530.39

```

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.8227002	.2352082	3.50	0.000	.3616668	1.283734
ereri_cde	.8927248	.2393758	3.73	0.000	.4235428	1.361907
ereri_intref	-.073737	.0383006	-1.93	0.054	-.1488114	.0013375
ereri_intmed	-.0224779	.0130798	-1.72	0.086	-.0481147	.003159
ereri_pie	.0261903	.0210688	1.24	0.214	-.0151039	.0674845

```

121 .
122 .
123 . *****SELF-RATED HEALTH*****
124 . capture drop SELF_RATED_HEALTHg

125 . gen SELF_RATED_HEALTHg=SELF_RATED_HEALTH
(19,049 missing values generated)

126 . replace SELF_RATED_HEALTHg=0 if SELF_RATED_HEALTH==1
(32,809 real changes made)

127 . replace SELF_RATED_HEALTHg=1 if SELF_RATED_HEALTH==2
(9,192 real changes made)

128 .

```

```

129 .
130 .
131 . mi estimate, cmdok: med4way ZLNNFL SELF_RATED_HEALTHg SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP
    > PHYSICAL_days_average CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12_serumsi invmi
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
> ge CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12_serumsi invmi
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
> ge CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12_serumsi invmi
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
> ge CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12_serumsi invmi
Warning: this analysis assumes a rare outcome.
Warning: fixed values for the covariates SEX RACE_ETHNg2 RACE_ETHNg3 RACE_ETHNg4 PIRg2 PIRg3 MARRIED_LIVP HOUSEHOLDSIZE
> ge CVD_CANCER_HISTORY BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12_serumsi invmi

```

```

Multiple-imputation estimates          Imputations      =          5
                                      Number of obs      =        2,071
                                      Average RVI        =        0.0340
                                      Largest FMI        =        0.0446
DF adjustment:  Large sample          DF:   min        =        2,097.20
                                      avg          =        4,849.13
                                      max          =       11,858.37

```

	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
tereri	.6912033	.2165825	3.19	0.001	.2666059	1.115801
ereri_cde	.5769049	.2223227	2.59	0.010	.1409088	1.012901
ereri_intref	.0819428	.0610682	1.34	0.180	-.0377609	.2016465
ereri_intmed	.0138609	.0115011	1.21	0.228	-.0086937	.0364156
ereri_pie	.0184946	.0187852	0.98	0.325	-.0183375	.0553268

```

132 .
133 .
134 . save, replace
    (file C:\Users\baydounm\AppData\Local\Temp\ST_4b74_000002.tmp not found)
    file C:\Users\baydounm\AppData\Local\Temp\ST_4b74_000002.tmp saved as .dta format
135 .
    end of do-file
136 . do "C:\Users\baydounm\AppData\Local\Temp\STD4b74_000000.tmp"
137 .
138 . save finaldata_imputed, replace
    file finaldata_imputed.dta saved
139 .
140 . capture log close

```