_____(R)
/___/ / ____/
__/ / ____/
Statistics/Data Analysis

name: <unnamed> E:\16GBBACKUPUSB\BACKUP_USB_SEPTEMBER2014\May Baydoun_folder\NHANES_NFL_MORTALITY_PAPER\OUTPUT\TABLES1.smc log: log type: smcl opened on: 6 Nov 2022, 06:18:55 1 . 2. 3 . use finaldata_imputed,clear 4 . 5. 8 . 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> 9. 10 . **AGE SEX RACE_ETHN PIR MARRIED_LIVP HOUSEHOLDSIZE EDUCATION SMOKE ALCOHOL DRUG_USER_EVER DR12TKCAL DASH_TOTAL_SCORE > inb12_serumsi 11 . 12 . **LNNFL LNNFLMEDIAN 13 . 14 . **MORTSTAT 15 . 16 . **AGE_DEATH** 17 . 18 . 19 . capture drop LNNFLMEDIANBELOW 20 . gen LNNFLMEDIANBELOW=. (61,050 missing values generated) 21 . replace LNNFLMEDIANBELOW=0 if LNNFLMEDIAN==2 & SAMPLE_FINAL==1 (6,150 real changes made) 22 . replace LNNFLMEDIANBELOW=1 if LNNFLMEDIAN==1 & SAMPLE_FINAL==1 (6,276 real changes made) 23 . 25 . capture drop LNNFLMEDIANABOVE 26 . gen LNNFLMEDIANABOVE=. (61,050 missing values generated) 27 . replace LNNFLMEDIANABOVE=0 if LNNFLMEDIAN==1 & SAMPLE_FINAL==1 (6,276 real changes made)

28 . replace LNNFLMEDIANABOVE=1 if LNNFLMEDIAN==2 & SAMPLE_FINAL==1 (6,150 real changes made) 29 . 30 . 31 . *************BELOW MEDIAN LN NFL******************* 32 . save, replace file finaldata_imputed.dta saved 34 . mi estimate: svy, subpop(LNNFLMEDIANBELOW): mean AGE Multiple-imputation estimates Imputations Survey: Mean estimation Number of obs 2,071 Number of strata = Population size = 212,496,041 Subpop. no. obs = 1,046 Number of PSUs 30 Subpop. size 110,130,422 = Average RVI 0.0000 0.0000 Largest FMI Complete DF 15 DF adjustment: Small sample min 13.33 avg 13.33 Within VCE type: Linearized 13.33 max Std. err. [95% conf. interval] Mean AGE 38.52611 .5586043 37.32238 39.72985 35 . mi estimate: svy, subpop(LNNFLMEDIANBELOW): prop SEX Multiple-imputation estimates 5 **Imputations** Survey: Proportion estimation Number of obs = 2,071 Number of strata = 15 Population size = 212,496,041 Number of PSUs Subpop. no. obs = 1,046 Subpop. size 110,130,422 = Average RVI 0.0000 = Largest FMI 0.0000 Complete DF 15 DF adjustment: Small sample 13.33 min = 13.33 avg Within VCE type: Linearized 13.33 max Normal Proportion Std. err. [95% conf. interval] SEX 1 .4622807 .0183061 .4228331 .5017283 .0183061 .4982717 .5771669 2 .5377193

36 . mi estimate: svy, subpop(LNNFLMEDIANBELOW): prop RACE_ETHN

Multiple-imputation estimates	Imputations =	5
Survey: Proportion estimation	Number of obs =	2,071
Number of strata = 15	Population size =	212,496,041
Number of PSUs = 30	Subpop. no. obs =	1,046
	Subpop. size =	110,130,422
	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

			Nor	mal
	Proportion	Std. err.	[95% conf.	interval]
RACE_ETHN				
_ 0	.5822351	.0413483	.4931341	.6713362
1	.1419089	.0232501	.0918075	.1920103
2	.1894677	.0272251	.1308006	.2481348
3	.0863883	.0111723	.0623132	.1104633

37 . mi estimate: svy, subpop(LNNFLMEDIANBELOW): prop MARRIED_LIVP

Multiple-imputation es		Imputat		=	5
Survey: Proportion est	ımatıon	Number	ot obs	=	2,071
Number of strata =	15	Populat	ion size	=	212,496,041
Number of PSUs =	30	Subpop.	no. obs	=	1,046
		Subpop.	size	=	110,130,422
		Average	RVI	=	0.0000
		Largest	FMI	=	0.0000
		Complete	e DF	=	15
DF adjustment: Small	sample	DF:	min	=	13.33
			avg	=	13.33
Within VCE type: Lin	earized		max	=	13.33

			Nor	
	Proportion	Std. err.	[95% conf.	interval
MARRIED_LIVP				
1	.6587199	.0261574	.6023536	.7150861
2	.3412801	.0261574	.2849139	.3976464

38 . mi estimate: svy, subpop(LNNFLMEDIANBELOW): mean HOUSEHOLDSIZE

Multiple-imputation estimates		Imputations	=	5
Survey: Mean estimation		Number of obs	=	2,071
Number of strata	= 15	Population size	=	212,496,041
Number of PSUs	= 30	Subpop. no. obs	=	1,046
		Subpop. size	=	110,130,422
		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	3.553909	.074854	3.392606	3.715211

39 . mi estimate: svy, subpop(LNNFLMEDIANBELOW): prop PIR

Multiple-imputation estimates	Imputations =	5
Survey: Proportion estimation	Number of obs =	2,071
Number of strata = 15	Population size =	212,496,041
Number of PSUs = 30	Subpop. no. obs =	1,046
	Subpop. size =	110,130,422
	Average RVI =	0.0127
	Largest FMI =	0.0306
	Complete DF =	15
DF adjustment: Small sample	DF: min =	13.11
	avg =	13.16
Within VCE type: Linearized	max =	13.21

			Norr	nal
	Proportion	Std. err.	[95% conf.	interval]
PIR				
1	.1997811	.0182671	.1603501	.2392121
2	.1862493	.0123506	.1596113	.2128872
3	.6139696	.0245099	.5610801	.6668591

40 . mi estimate: svy, subpop(LNNFLMEDIANBELOW): prop EDUCATION

Multiple-imputation	on estimates	Imputations	=	5
Survey: Proportion	n estimation	Number of obs	=	2,071
Number of strata	= 15	Population size	=	212,496,041
Number of PSUs	= 30	Subpop. no. obs	=	1,046
		Subpop. size	=	110,130,422
		Average RVI	=	0.0022
		Largest FMI	=	0.0165
		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	.0405729	.0077981	.0237688 .0573769
2	.1231313	.0101174	.101322 .144940
3	.2027554	.0231594	.1528458 .2526653
4	.3259303	.0173426	.2885472 .3633134
5	.3076101	.0255989	.2524435 .362776

41 . mi estimate: svy, subpop(LNNFLMEDIANBELOW): prop SMOKE

Multiple-imputation estimates Imputations 5 Number of obs Survey: Proportion estimation 2,071 Number of strata = Population size = 212,496,041 15 Number of PSUs 30 Subpop. no. obs = 1,046 Subpop. size = 110,130,422 Average RVI 0.0000 Largest FMI 0.0000 Complete DF 15 = DF adjustment: Small sample min = 13.33 avg 13.33 Within VCE type: Linearized 13.33 max

	Dnonontion	C+d onn	Norr	
	Proportion	Std. err.	[95% conf.	Interval
SMOKE				
1	.6135728	.0211971	.5678952	.6592503
2	.1867925	.0179614	.1480876	.2254975
3	.1996347	.016034	.1650832	.2341862

42 . mi estimate: svy, subpop(LNNFLMEDIANBELOW): prop ALCOHOL

Multiple-imputation estimates **Imputations** 5 Survey: Proportion estimation Number of obs 2,071 Number of strata = 15 Population size = **212,496,041** Number of PSUs Subpop. no. obs = Subpop. size = 110,130,422 Average RVI 0.0543 Largest FMI 0.0703 Complete DF 15 = DF adjustment: 12.54 Small sample DF: min = 12.54 avg Within VCE type: Linearized 12.54 max

		C. I	Norr	
	Proportion	Std. err.	[95% conf.	intervalj
ALCOHOL				
1	.77727	.0284582	.7155605	.8389795
2	.22273	.0284582	.1610205	.2844395

43 . mi estimate: svy, subpop(LNNFLMEDIANBELOW): prop DRUG_USER_EVER

Multiple-imputation estimates **Imputations** 5 Survey: Proportion estimation Number of obs = 2,071 Population size = 212,496,041 Number of strata = 15 Number of PSUs 1,046 Subpop. no. obs = Subpop. size 110,130,422 0.0000 Average RVI = Largest FMI 0.0000 Complete DF 15 DF adjustment: DF: Small sample 13.33 min = 13.33 avg = Within VCE type: Linearized 13.33 max

			Non	mal
	Proportion	Std. err.	[95% conf.	interval]
DRUG_USER_EVER				
_ 0	.5111485	.026324	.4544231	.5678739
1	.4888515	.026324	.4321261	.5455769

44 . mi estimate: svy, subpop(LNNFLMEDIANBELOW): mean DR12TKCAL

Multiple-imputa Survey: Mean es		Imputations Number of obs	= =	5 2,071
Number of strat Number of PSUs	a = 15 = 30	Population size Subpop. no. obs Subpop. size Average RVI Largest FMI Complete DF	= = :	1,046
DF adjustment:	Small sample	DF: min	=	11.65
-		avg	=	11.65
Within VCE type	: Linearized	max	=	11.65
	Mean Std	. err. [95%	conf	. interval]

45 . mi estimate: svy, subpop(LNNFLMEDIANBELOW): mean DASH_TOTAL_SCORE

2072.901

2213.688

2143.294 32.19971

DR12TKCAL

Multiple-imputation Survey: Mean estin		Imputations Number of obs	=	5 2,071
Number of strata Number of PSUs	= 15 = 30	Population siz Subpop. no. ob Subpop. size Average RVI Largest FMI Complete DF	os = = =	•
DF adjustment: 5	Small sample	DF: min	=	10.89
Within VCE type:	Linearized	avg max	=	10.89 10.89
	Mean	Std. err.	[95%	conf. interval]
DASH_TOTAL_SCORE	2.047413	.0627434	1.909	2.185677

46 . mi estimate: svy, subpop(LNNFLMEDIANBELOW): mean PHYSICAL_days_average

Multiple-imputation estimates		Imputations	=	5
Survey: Mean estimation		Number of obs	=	2,071
Number of strata =	15	Population siz	e =	212,496,041
Number of PSUs =	30	Subpop. no. ob	s =	1,046
		Subpop. size	=	110,130,422
		Average RVI	=	0.0000
		Largest FMI	=	0.0000
		Complete DF	=	15
DF adjustment: Small s	ample	DF: min	=	13.33
		avg	=	13.33
Within VCE type: Linea	rized	max	=	13.33

	Mean	Std. err.	[95% conf.	interval]
PHYSICAL_days_average	2119.493	206.6636	1674.155	2564.83

47 . mi estimate: svy, subpop(LNNFLMEDIANBELOW): prop SELF_RATED_HEALTH

Multiple-imputati	Imputations	=	5	
Survey: Proportio	n estimation	Number of obs	=	2,071
Number of strata	= 15	Population size	=	212,496,041
Number of PSUs	= 30	Subpop. no. obs	=	1,046
		Subpop. size	=	110,130,422
		Average RVI	=	0.0898
		Largest FMI	=	0.1054
		Complete DF	=	15
DF adjustment:	Small sample	DF: min	=	11.99
		avg	=	11.99
Within VCE type:	Linearized	max	=	11.99

	Proportion	Std. err.	Norn [95% conf.	
SELF RATED HEALTH				
1	.8591412	.0126422	.8315927	.8866897
2	.1408588	.0126422	.1133103	.1684073

48 . mi estimate: svy, subpop(LNNFLMEDIANBELOW): prop CVD_CANCER_HISTORY

Multiple-imputati Survey: Proportion		Imputations = Number of obs =	_
Number of strata	= 15	Population size =	212,496,041
Number of PSUs	= 30	Subpop. no. obs =	1,046
		Subpop. size =	110,130,422
		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.	Nor [95% conf.	
CVD CANCER HISTORY				
0	.9180618	.0100418	.8964228	.9397009
1	.0819382	.0100418	.0602991	.1035772

50 . foreach x of varlist BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD_serum folate_RBCSI vitaminb12_serumsi LNNFL mi estimate: svy, subpop(LNNFLMEDIANBELOW): mean `x' 3. } Imputations Multiple-imputation estimates 5 Survey: Mean estimation Number of obs 2,071 Population size = 212,496,041 Number of strata = 15 Number of PSUs Subpop. no. obs = 1,046 Subpop. size 110,130,422 Average RVI 0.0004 = Largest FMI = 0.0132 Complete DF 15 DF adjustment: Small sample 13.33 DF: min = avg 13.33 = Within VCE type: Linearized 13.33 max Mean Std. err. [95% conf. interval] BMI 29.39082 .2678595 28.81359 29.96805 Multiple-imputation estimates Imputations 5 Survey: Mean estimation Number of obs = 2,071 Population size = 212,496,041 Number of strata = 15 Number of PSUs Subpop. no. obs = 1,046 Subpop. size 110,130,422 0.0352 Average RVI Largest FMI 0.0505 Complete DF 15 12.83 DF adjustment: Small sample DF: min = avg 12.83 Within VCE type: Linearized max 12.83 Std. err. Mean [95% conf. interval] SBP 116.9604 .5174139 115.8411 118.0797 Multiple-imputation estimates Imputations 5 = Survey: Mean estimation Number of obs 2,071 Number of strata = Population size = 212,496,041 15 Number of PSUs Subpop. no. obs = 1,046 Subpop. size 110,130,422 Average RVI 0.1000 Largest FMI 0.1153 Complete DF 15 DF adjustment: Small sample DF: min 11.82 avg 11.82 Within VCE type: Linearized max 11.82 Mean Std. err. [95% conf. interval] DBP 68.87866 .5634229 67.64904 70.10827 Multiple-imputation estimates Imputations 5 Survey: Mean estimation Number of obs 2,071

Number of stra Number of PSUs DF adjustment	s = : Sma	all samp			RVI FMI		1 110,130 0. 0.	,046 ,422 0000 0000 15 3.33 3.33
Within VCE typ	oe: I	Lineariz	ed		max	=	1	3.33
		ı	Mean	Std.	err.	[9	5% conf.	interval]
TOTALCHOLESTER	ROLSI	4.82	1874	.0438	164	4.	727455	4.916294
Multiple-imput			es	Imputat Number		= =	2	5 ,071
Number of stra Number of PSUs	5 =		15 30	•	RVI FMI		110,130 0. 0.	,046 ,422 0019 0148 15
DF adjustment		all samp Lineariz		DF:	min avg max	= =	1	3.31 3.31 3.31
		Mean	Std	. err.	[95%	con-	f. inter	val]
HBA1C	5.3	393265	.01	90087	5.352	295	5.43	4234
Multiple-imput			es	Imputat Number		=	2	5 ,071
Number of stra Number of PSUs			15 30	•	RVI		110,130 0.	,046
DF adjustment:	: Sma	all samp	1e	Complet DF:		=	1	15 3.27
Within VCE typ		Lineariz			avg max	= =		3.27 3.27
		Mean	Std	. err.	[95%	con-	f. inter	wal]
LnACR	2.0	ə 55267	.03	80286	1.973			7254
Multiple-imput			es	Imputat Number		= =	2	5 ,071
Number of stra Number of PSUs			15 30	Subpop. Subpop. Average Largest	RVI FMI	= = = =	110,130 0.	,046 ,422 0000 0000
DF adjustment	: Sma	all samp	le	Complet DF:	min	=		15 3.33
Within VCE typ	oe: I	Lineariz	ed		avg max	=		3.33 3.33

	Mear	1 S	td. err.	[9!	5% co	nf. inte	rval
VitaminD_serum	60.20782	2 1	.453157	57	.0764	3 63.	33922
Multiple-imputa	ation Astimat	tac	Imputati	ions	=		5
Survey: Mean es		.63	Number o		=	2,	97 1
Number of strat	:a =	15	Populati	ion ciza	a –	212,496,	0/1
Number of PSUs	.a – =	30	Subpop.				041 046
			Subpop.			110,130,	
			Average	RVI	=	0.0	035
			Largest		=	0.0	
		_	Complete		=		15
DF adjustment:	Small samp	ole	DF:	min	=		. 29
Within VCE type	: Lineari	- 0 d		avg	=		. 29 . 29
Within VCE type	:. Lineariz	.eu		max	=	15	. 29
	Mean	Std	. err.	[95%	conf	. interv	—— al]
folate_RBCSI	1180.109	28.	68062	1118	. 284	1241.	934
Multiple-imputa	ation Astimat	tac	Imputati	ions	=		5
Survey: Mean es			Number o		=	2,	071
Number of strat	:a =	15	Populati	ion size	e = :	212,496,	041
Number of PSUs	=	30	Subpop.	no. ob:	5 =	1,	046
			Subpop.		= 1	110,130,	422
			Average		=	0.0	
			Largest		=	0.0	
OF addustment.	Small came	-1-	Complete	e D⊦ min	=	12	15
DF adjustment:	Small samp)Te	DF:	avg	=		.31 .31
Within VCE type	e: Linearia	zed		max	=		.31
		Mean	Std. 6	err.	[95	% conf.	inter
vitaminb12_seru	ımsi 563 .	.9129	8.6017	744	545	. 3745	582
M1±41			Taxa 1 : 1 1				_
Multiple-imputa Survey: Mean es		.es	Imputati Number o		=	2	5 071
Jui vey. Mean es	CIMACIUII		Mullipel. (005	_	۷,	J/ I
Number of strat	:a =	15	Populati	ion size	2 = 3	212,496,	041
Number of PSUs	=	30	Subpop.			-	046
			Subpop.			110,130,	
			Average	RVI	=	0.0	000
			Largest		=	0.0	000
			Complete		=		15
OF adjustment:	Small samp	ole	DF:	min	=		.33
				avg	=		.33
J	. ,	700		max	=	13	.33
J	e: Lineariz	zeu					
Within VCE type	e: Lineariz Mean		. err.	[95%	conf	. interv	 al]

51 .

52 . mi estimate: svy, subpop(LNNFLMEDIANBELOW): prop LNNFLMEDIAN

Multiple-imputation estimates Imputations Number of obs = Survey: Proportion estimation 2,071 Number of strata = 15 Population size = 212,496,041 Number of PSUs 1,046 30 Subpop. no. obs = Subpop. size = 110,130,422 Average RVI Largest FMI = Complete DF 15 DF adjustment: Small sample min avg =

Within VCE type: Linearized max =

	Proportion	Std. err.	Normal [95% conf. interval]
LNNFLMEDIAN 1 2	1 0	(no observat	

53

54 . mi estimate: svy, subpop(LNNFLMEDIANBELOW): prop MORTSTAT

Multiple-imputation estimates Imputations 5 Survey: Proportion estimation Number of obs = 2,071 Number of strata = Population size = 212,496,041 Number of PSUs 1,046 30 Subpop. no. obs = Subpop. size 110,130,422 Average RVI 0.0000 Largest FMI 0.0000 = Complete DF = 15 DF adjustment: Small sample min 13.33 13.33 avg = Within VCE type: 13.33 Linearized max

	Proportion	Std. err.	Normal [95% conf. interval]
MORTSTAT Assumed alive Assumed deceased	.988167 .011833	.0041378 .0041378	.9792505 .9970836 .0029164 .0207495

55 .

56 .57 . save, replace

file finaldata_imputed.dta saved

```
58 .
59 .
60 .
61 . ************ABOVE MEDIAN LNNFL*******************
62 .
63 . mi estimate: svy, subpop(LNNFLMEDIANABOVE): mean AGE
   Multiple-imputation estimates
                                                                 5
                                   Imputations
   Survey: Mean estimation
                                   Number of obs
                                                             2,071
   Number of strata =
                                   Population size =
                                                      212,496,041
                              15
   Number of PSUs
                                   Subpop. no. obs =
                                                            1,025
                                   Subpop. size
                                                       102,365,619
                                   Average RVI
                                                            0.0000
                                                   =
                                   Largest FMI
                                                            0.0000
                                   Complete DF
                                                               15
   DF adjustment:
                    Small sample
                                           min
                                                   =
                                                             13.33
                                                             13.33
                                           avg
                                                   =
   Within VCE type:
                      Linearized
                                                             13.33
                                           max
                               Std. err.
                                             [95% conf. interval]
                        Mean
                    52.07704
                               .5792995
                                             50.82871
            AGF
                                                          53.32537
64 . mi estimate: svy, subpop(LNNFLMEDIANABOVE): prop SEX
   Multiple-imputation estimates
                                   Imputations
                                                                 5
   Survey: Proportion estimation
                                   Number of obs =
                                                             2,071
   Number of strata =
                              15
                                   Population size =
                                                      212,496,041
   Number of PSUs
                                   Subpop. no. obs =
                              30
                                                            1,025
                                   Subpop. size
                                                      102,365,619
                                   Average RVI
                                                            0.0000
                                   Largest FMI
                                                            0.0000
                                                   =
                                   Complete DF
                                                               15
                                                   =
   DF adjustment:
                    Small sample
                                           min
                                                             13.33
                                           avg
                                                   =
                                                             13.33
   Within VCE type:
                      Linearized
                                                             13.33
                                           max
                                                    Normal
                  Proportion
                               Std. err.
                                             [95% conf. interval]
            SEX
             1
                    .5129584
                               .0099717
                                              .4914703
                                                          .5344464
             2
                    .4870416
                               .0099717
                                              .4655536
                                                          .5085297
65 . mi estimate: svy, subpop(LNNFLMEDIANABOVE): prop RACE_ETHN
   Multiple-imputation estimates
                                   Imputations
                                                                 5
   Survey: Proportion estimation
                                   Number of obs =
                                                             2,071
   Number of strata =
                                   Population size =
                                                      212,496,041
                              15
   Number of PSUs
                              30
                                   Subpop. no. obs =
                                                             1,025
                                   Subpop. size
                                                       102,365,619
                                   Average RVI
                                                            0.0000
                                   Largest FMI
                                                            0.0000
                                   Complete DF
                                                               15
                                                   =
   DF adjustment:
                    Small sample
                                   DF:
                                                             13.33
                                           min
                                                   =
                                                             13.33
                                           avg
   Within VCE type:
                      Linearized
                                           max
                                                             13.33
```

			Nor	mal
	Proportion	Std. err.	[95% conf.	interval]
RACE_ETHN				
_ 0	.7218418	.0352671	.645845	.7978386
1	.0973716	.0097082	.0764514	.1182917
2	.1144081	.0289459	.0520329	.1767833
3	.0663785	.011519	.0415563	.0912007

66 . mi estimate: svy, subpop(LNNFLMEDIANABOVE): prop MARRIED_LIVP

Multiple-imputati	Imputations	=	5	
Survey: Proportion	on estimation	Number of obs	=	2,071
Number of strata	= 15	Population size	=	212,496,041
Number of PSUs	= 30	Subpop. no. obs	=	1,025
		Subpop. size	=	102,365,619
		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

			Nor	
	Proportion	Std. err.	[95% conf.	interval
MARRIED_LIVP				
1	.6383828	.017098	.6015385	.6752271
2	.3616172	.017098	.3247729	.3984615

67 . mi estimate: svy, subpop(LNNFLMEDIANABOVE): mean HOUSEHOLDSIZE

Muitiple-imputati	ion estimates	imputations	=	5
Survey: Mean esti	imation	Number of obs	=	2,071
Number of strata	= 15	Population size	=	212,496,041
Number of PSUs	= 30	Subpop. no. obs	=	1,025
		Subpop. size	=	102,365,619
		Average RVI	=	0.0000
		Largest FMI	=	0.0000
		Complete DF	=	15
<pre>DF adjustment:</pre>	Small sample	DF: min	=	13.33
		avg	=	13.33
Within VCE type:	Linearized	max	=	13.33

	Mean	Std. err.	[95% conf. interval]
HOUSEHOLDSIZE	2.839174	.0700516	2.68822 2.990127

68 . mi estimate: svy, subpop(LNNFLMEDIANABOVE): prop PIR

Multiple-imputation estimates Imputations Survey: Proportion estimation Number of obs = 2,071 Number of strata = Population size = 212,496,041 15 Number of PSUs 30 Subpop. no. obs = 1,025 Subpop. size = **102,365,619** Average RVI 0.0785 Largest FMI 0.0884 Complete DF = 15 DF adjustment: Small sample DF: min = 12.26 avg 12.91 = Within VCE type: Linearized 13.25 max

			Nor	nal
	Proportion	Std. err.	[95% conf.	interval]
PIR				
1	.1618831	.0325601	.0916737	.2320926
2	.2037407	.0219693	.1559859	.2514955
3	.6343762	.0488651	.5289803	.739772

69 . mi estimate: svy, subpop(LNNFLMEDIANABOVE): prop EDUCATION

Multiple-imputation estimates Imputations Survey: Proportion estimation Number of obs = 2,071 Number of strata = Population size = 212,496,041 15 Number of PSUs = 30 Subpop. no. obs = Subpop. size = 102,365,619 Average RVI 0.0000 Largest FMI 0.0128 Complete DF 15 = DF adjustment: Small sample 13.33 DF: min = avg 13.33 Within VCE type: Linearized 13.33 max

			Nor	mal
	Proportion	Std. err.	[95% conf.	interval]
EDUCATION				
1	.045287	.0070602	.0300731	.0605009
2	.1046635	.0210329	.0593398	.1499871
3	.1988952	.0187281	.1585381	.2392523
4	.3451229	.0221674	.2973544	.3928915
5	.3060314	.0285154	.2445838	.3674791

70 . mi estimate: svy, subpop(LNNFLMEDIANABOVE): prop SMOKE

Multiple-imputation estimates Survey: Proportion estimation		Imputation Number of		5 2,071	
Number of strata	=	15	Population	size =	212,496,041
Number of PSUs	=	30	Subpop. no	. obs =	1,025
			Subpop. si	ze =	102,365,619
			Average RV	I =	0.0000
			Largest FM	I =	0.0128
			Complete D	F =	15
DF adjustment:	Small	sample	DF: mi	n =	13.33
			av	g =	13.33
Within VCE type:	Line	earized	ma	x =	13.33

	Proportion	Std. err.	Norn [95% conf.	
SMOKE				
1	.5099869	.0290871	.4473073	.5726665
2	.2633819	.0236434	.2124328	.3143311
3	.2266312	.0340355	.1532883	.2999741

71 . mi estimate: svy, subpop(LNNFLMEDIANABOVE): prop ALCOHOL

Survey: Proportion estimation Number of obs = 2,071 Number of strata = 15 Population size = 212,496,041 Number of PSUs = 30 Subpop. no. obs = 1,025 Subpop. size = 202,365,619 Average RVI = 0.0052 Largest FMI = 0.0184 Complete DF = 15 DF adjustment: Small sample Within VCE type: Linearized DF: min = 13.26 Within VCE type: Linearized max = 13.26	Multiple-imputat:	ion estimates	Imputations =	5
Number of PSUs = 30 Subpop. no. obs = Subpop. no. obs = Subpop. size = 102,365,619 102,365,619 Average RVI = 0.0052 Largest FMI = 0.0184 Complete DF = 15 DF adjustment: Small sample DF: min = 13.26 avg = 13.26	Survey: Proportion estimation		Number of obs =	2,071
Subpop. size = 102,365,619 Average RVI = 0.0052 Largest FMI = 0.0184 Complete DF = 15 DF adjustment: Small sample DF: min = 13.26 avg = 13.26	Number of strata	= 15	Population size =	212,496,041
Average RVI = 0.0052 Largest FMI = 0.0184 Complete DF = 15 DF adjustment: Small sample DF: min = 13.26 avg = 13.26	Number of PSUs	= 30	Subpop. no. obs =	1,025
$\begin{array}{cccccccccccccccccccccccccccccccccccc$			Subpop. size =	102,365,619
Complete DF = 15 DF adjustment: Small sample DF: min = 13.26 avg = 13.26			Average RVI =	0.0052
DF adjustment: Small sample DF: min = 13.26 avg = 13.26			Largest FMI =	0.0184
avg = 13.26			Complete DF =	15
8	DF adjustment:	Small sample	DF: min =	13.26
Within VCE type: Linearized max = 13.26			avg =	13.26
	Within VCE type:	Linearized	max =	13.26

	Proportion	Std. err.	Nor [95% conf.	
ALCOHOL				
1	.7750283	.0265769	.717728	.8323286
2	.2249717	.0265769	.1676714	.282272

72 . mi estimate: svy, subpop(LNNFLMEDIANABOVE): prop DRUG_USER_EVER

Multiple-imputat:	ion estimates	Imputations	=	5
Survey: Proportion	Number of obs	=	2,071	
Number of strata	= 15	Population size	=	212,496,041
Number of PSUs	= 30	Subpop. no. obs	=	1,025
		Subpop. size	=	102,365,619
		Average RVI		
		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.	Nor [95% conf.	
DRUG_USER_EVER				
0	.5804602	.0244418	.5277907	.6331297
1	.4195398	.0244418	.3668703	.4722093

73 . mi estimate: svy, subpop(LNNFLMEDIANABOVE): mean DR12TKCAL

Multiple-imputation estimates **Imputations** 5 Survey: Mean estimation Number of obs = 2,071 Number of strata = Population size = 212,496,041 15 Number of PSUs 30 Subpop. no. obs = 1,025 Subpop. size = 102,365,619 Average RVI 0.2063 Largest FMI 0.2084 Complete DF 15 = DF adjustment: Small sample DF: min = 10.23 avg = 10.23 Within VCE type: 10.23 Linearized max =

	Mean	Std. err.	[95% conf.	interval]
DR12TKCAL	2099.106	44.11972	2001.095	2197.116

74 . mi estimate: svy, subpop(LNNFLMEDIANABOVE): mean DASH TOTAL SCORE

Multiple-imputation estimates Imputations 5 Survey: Mean estimation Number of obs 2,071 Number of strata = 15 Population size = 212,496,041 Number of PSUs Subpop. no. obs = 1,025 Subpop. size 102,365,619 Average RVI 0.0688 Largest FMI 0.0849 Complete DF 15 DF adjustment: Small sample 12.32 DF: min = avg 12.32 Within VCE type: Linearized max 12.32 Mean Std. err. [95% conf. interval] DASH_TOTAL_SCORE 2.244319 .0919141 2.044623 2.444016

75 . mi estimate: svy, subpop(LNNFLMEDIANABOVE): mean PHYSICAL_days_average

Multiple-imputation estimates Imputations Survey: Mean estimation Number of obs 2,071 Number of strata = Population size = 212,496,041 15 Number of PSUs 30 Subpop. no. obs = 1,025 Subpop. size = 102,365,619 Average RVI 0.0000 Largest FMI 0.0000 Complete DF 15 DF adjustment: Small sample min 13.33 13.33 avg Within VCE type: Linearized max 13.33

	Mean	Std. err.	[95% conf.	interval]
PHYSICAL_days_average	1993.903	266.8097	1418.957	2568.849

76 . mi estimate: svy, subpop(LNNFLMEDIANABOVE): prop SELF_RATED_HEALTH

30

Small sample

Linearized

DF adjustment:

Within VCE type:

Subpop. no. obs =

min avg

max

Subpop. size

Average RVI

Largest FMI

Complete DF

```
Multiple-imputation estimates
                                    Imputations
   Survey: Proportion estimation
                                    Number of obs
                                                              2,071
   Number of strata =
                               15
                                    Population size =
                                                       212,496,041
   Number of PSUs
                               30
                                    Subpop. no. obs =
                                                             1,025
                                    Subpop. size
                                                    =
                                                       102,365,619
                                    Average RVI
                                                             0.0026
                                    Largest FMI
                                                             0.0156
                                    Complete DF
                                                                15
                                                    =
   DF adjustment:
                    Small sample
                                            min
                                                    =
                                                             13.30
                                            avg
                                                              13.30
   Within VCE type:
                      Linearized
                                                             13.30
                                            max
                                                          Normal
                       Proportion
                                                   [95% conf. interval]
                                     Std. err.
   SELF_RATED_HEALTH
                           .771743
                                     .0368592
                                                   .6922951
                                                                 .851191
                  1
                  2
                           .228257
                                     .0368592
                                                    .148809
                                                                .3077049
77 . mi estimate: svy, subpop(LNNFLMEDIANABOVE): prop CVD CANCER HISTORY
   Multiple-imputation estimates
                                    Imputations
                                                                  5
   Survey: Proportion estimation
                                    Number of obs
                                                              2,071
                                    Population size =
   Number of strata =
                               15
                                                       212,496,041
   Number of PSUs
                                    Subpop. no. obs =
                                                             1,025
                                    Subpop. size
                                                       102,365,619
                                    Average RVI
                                                            0.0000
                                                    =
                                    Largest FMI
                                                            0.0000
                                    Complete DF
                                                                15
   DF adjustment:
                    Small sample
                                    DF:
                                                             13.33
                                            min
                                                    =
                                            avg
                                                    =
                                                             13.33
   Within VCE type:
                      Linearized
                                            max
                                                              13.33
                                                           Normal
                        Proportion
                                      Std. err.
                                                    [95% conf. interval]
   CVD_CANCER_HISTORY
                           .7858241
                                       .015889
                                                                 .8200631
                   0
                                                     .7515851
                   1
                           .2141759
                                       .015889
                                                    .1799369
                                                                 .2484149
78 .
79 . foreach x of varlist BMI SBP DBP TOTALCHOLESTEROLSI HBA1C LnACR VitaminD serum folate RBCSI vitaminb12 serumsi LNNFL
     2.
                mi estimate: svy, subpop(LNNFLMEDIANABOVE): mean `x'
     3. }
   Multiple-imputation estimates
                                    Imputations
                                    Number of obs
   Survey: Mean estimation
                                                              2,071
   Number of strata =
                               15
                                    Population size =
                                                       212,496,041
   Number of PSUs
```

1,025

0.0016

0.0145

13.31

13.31

13.31

15

102,365,619

=

=

=

BMI			. err.	[95%	COIII		
DIJI	29.335	.32	99653	28.62	385	30.04	1615
Multiple-imput	ation estima	tes	Imputation	ons	=		5
Survey: Mean e			Number o		=	2,	071
		4-	D 1.11			242 405	044
Number of stra Number of PSUs		15 30	Population Subpop.			212,496	,041 ,025
Number of 1505	, –	50	Subpop.			102,365	
			Average I		=		344
			Largest I		=	0.6	9497
SE - 44	C	1	Complete		=	4.	15
DF adjustment:	Small sam	рте		min avg	=		2.84 2.84
Within VCE typ	e: Lineari	zed		nax	=		2.84
	Mean	Std	. err.	[95%	conf	. interv	/al]
SBP	122.9098	.70	00244	121.3	956	124	.424
Multiple-imput		tes	Imputation		=		5
Survey: Mean e	stimation		Number of	f obs	=	2,	,071
Number of stra	nta =	15	Population	on size	· =	212,496	041
Number of PSUs	5 =	30	Subpop.				025
			Subpop.			102,365	
			Average I		=		1101
			Largest I Complete		=	0.1	1248 15
OF adjustment:	Small sam	ple		บr min	=	11	15 L.67
aajasemente.	J Julii			avg	=		L.67
Within VCE typ	e: Lineari	zed		nax	=		1.67
	Mean	Std	. err.	[95%	conf	. interv	 /al]
DBP	69.70218	.58	19865	68.43	011	70.97	7426
Multiple-imput	ation estima	tes	Imputation	ons	=		5
Survey: Mean e	stimation		Number of	f obs	=	2,	071
المعاسبين		15	Population			212,496	
	; =	30	Subpop.				025
			Subpop. s Average I			102,365	
					_		
					=		9000 9000
			Largest I	FMI	= = =		9000 9000 15
Number of PSUs	Small sam	ple	Largest I Complete	FMI	=	0.6	9999
Number of PSUs DF adjustment:			Largest I Complete DF:	FMI DF	=	0.6 13	15 3.33 3.33
Number of PSUs DF adjustment:			Largest I Complete DF:	FMI DF min	= = =	0.6 13	0000 15 3.33
Number of PSUs DF adjustment:			Largest I Complete DF: 1	FMI DF nin avg nax	= = = = =	0.6 13	0000 15 3.33 3.33 3.33
Number of stra Number of PSUs DF adjustment: Within VCE typ	pe: Lineari	zed	Largest I Complete DF: 1	FMI DF min avg max	= = = = =	0.6 13 13	0000 15 3.33 3.33 3.33
Number of PSUs DF adjustment: Within VCE typ	pe: Lineari	zed Mean	Largest I Complete DF: 1	FMI DF min avg max	= = = = =	0.6 13 13 13 % conf.	0000 15 3.33 3.33 3.33 interva
Number of PSUs DF adjustment: Within VCE typ	ROLSI 4.9	zed Mean 68438	Largest I Complete DF: 1	FMI DF min avg max rr.	= = = = =	0.6 1: 1: 1: % conf.	0000 15 3.33 3.33 3.33 interva

Number Number				=	1		Populati Subpop. Subpop. Average Largest	no. size RVI FMI	obs	= = = =	_	496,041 1,025 365,619 0.0000 0.0000	
DF adjı	ustr	ment:		Small	samp1	e	Complete DF:	min		=		15 13.33	
Within	VCI	= + vr	٠	Line	earize	а		avg max		=		13.33 13.33	
MICHI	VCI	- сур	<i>.</i>	LINE	ai 126	u		iliax		_		13.33	
				Me	ean	Std	. err.	[9	95% (conf	f. in	terval]	
	НВА	A1C		5.8268	388	.04	18978	5	.736	503	5	.917174	
Multip: Survey						S	Imputati Number o		าร	=		5 2,071	
Jui vey	. 1110	can e	.3 (1	.iiia CIOi	1		Number ())3	_		2,071	
Number				=	1		Populat				212,	496,041	
Number	of	PSUs	;	=	3	0	Subpop.				100	1,025	
							Subpop. Average		2	=	102,	365,619 0.0392	
							Largest			_		0.0547	
							Complete			=		15	
DF adj	ustr	ment:		Small	sampl	e	DF:	min		=		12.77	
								avg		=		12.77	
Within	VCI	E typ	e:	Line	earize	d		max		=		12.77	
				Me	ean	Std	. err.	[9	95% (conf	f. in	terval]	
	Ln	ACR		2.2358	337	.03	64243	2.	. 1570	904	2	.314669	
Multip Survey						S	Imputati Number o		os	= =		5 2,071	
Number	of	stra	ıta	=	1	5	Populati	ion s	size	=	212.	496,041	
Number	of	PSUs	;	=	3	0	Subpop.				-	1,025	
							Subpop.			=	102,	365,619	
							Average	RVI		=		0.0000	
							Largest Complete			=		0.0000 15	
DF adjı	ıstr	ment.		Small	samnl	P	DF:	min		=		13.33	
Di daji	45 CI			Jiiiuii	Jumpi	_	ы.	avg		=		13.33	
Within	VCI	E typ	e:	Line	earize	d		max		=		13.33	
					Mean	S [.]	td. err.		[95%	% сс	onf.	interval]	
Vitami	nD_:	serum	1	68.6	3459	1	.461974		65	. 484	12	71.78499	
Multip: Survey						S	Imputati Number o		วร	=		5 2,071	
_												-	
Number				=	1		Populat				212,	496,041	
Number	of	PSUs	•	=	3	0	Subpop.				102	1,025	
							Subpop. Average		=	=	102,	365,619 0.0072	
							Largest			=		0.0072	
							Complete			=		15	
DF adj	ustr	ment:		Small	samp1	e	DF:	min		=		13.24	
								avg		=		13.24	
Within	VCI	typ:	e:	Line	earize	d		max		=		13.24	

folato PPCCT	1212 121	24	6/17/	1227	/17	1386	925
folate_RBCSI	1312.121	34.	64174	1237.	41/	1386	.825
Multiple-imput	tation estim	ates	Imputati	ions	=		5
Survey: Mean			Number o	of obs	=	2	,071
Number of stra		15		ion size		212,496	
Number of PSUs	5 =	30		no. obs			,025
			Subpop.			102,365	
			Average Largest		=		0000 0128
			Complete		=	0.0	15
DF adjustment:	: Small sa	mple	DF:	min	=	1	3.33
				avg	=		3.33
Within VCE typ	oe: Linear	ized		max	=	13	3.33
		Mean	Std. 6	err.	[95%	% conf.	interv
vitaminb12_se	rumsi 64	2.9245	46.4	158	542	.8121	743.6
Multiple-imput		ates	Imputati		=		5
Survey: Mean	estimation		Number o	of obs	=	2	,071
Number of stra	ata =	15	Populati	ion size	_ 1	212,496	041
Number of PSUs		30		no. obs			,025
			Subpop.			L02,365	
			Average		=		9000
			Largest		=	0.0	9000
		-	Complete		=		15
DF adjustment	: Small sa	шрте	DF:	min	=		3.33 3.33
Within VCE typ	oe: Linear	ized		avg max	=		3.33
within ver cy,	Je. Linear	1200		IIIdX	_		
	Mean	Std	. err.	[95%	conf.	inter	val]
LNNFL	3.073128	.04	10809	2.984	603	3.16	1653
. mi estimate	svy, subpo	p(LNNF	LMEDIANAE	30VE): p	rop L	.NNF LME	DIAN
Multiple-impu	tation estim	ates	Imputati	ions	=		5
Survey: Propor	rtion estima	tion	Number o	of obs	=	2	,071
Number of str		15		ion size		212,496	•
Number of PSUs	5 =	30		no. obs			,025
			Subpop.			L02,365	,619
			Average Largest		=		•
			ומוצראו	1.1.17	_		•
			U	DF	=		15
DF adjustment:	: Small sa	mple	Complete DF:	e DF min	=		15 •

```
Proportion
                               Std. err.
                                             [95% conf. interval]
    LNNFLMEDIAN
                              (no observations)
             1
             2
                           1
82 .
83 . mi estimate: svy, subpop(LNNFLMEDIANABOVE): prop MORTSTAT
   Multiple-imputation estimates
                                   Imputations
                                                                 5
                                   Number of obs
   Survey: Proportion estimation
                                                             2,071
   Number of strata =
                                   Population size = 212,496,041
                                   Subpop. no. obs =
   Number of PSUs
                                                             1,025
                                   Subpop. size
                                                       102,365,619
                                                   =
                                   Average RVI
                                                            0.0000
                                   Largest FMI
                                                            0.0000
                                   Complete DF
                                                                15
   DF adjustment:
                    Small sample
                                                             13.33
                                           min
                                           avg
                                                             13.33
   Within VCE type:
                      Linearized
                                                             13.33
                                           max
                                                          Normal
                       Proportion
                                    Std. err.
                                                   [95% conf. interval]
            MORTSTAT
                                                               .9602064
      Assumed alive
                         .9400321
                                     .0093621
                                                   .9198578
   Assumed deceased
                         .0599679
                                     .0093621
                                                   .0397936
                                                               .0801422
84 .
85 . save, replace
   file finaldata_imputed.dta saved
86 .
87 .
89 . **********DIFFERENCE BY LNNFLMEDIAN*************
90 . mi estimate: svy, subpop(SAMPLE_FINAL): reg AGE LNNFLMEDIAN
   Multiple-imputation estimates
                                                  Imputations
                                                                                 5
   Survey: Linear regression
                                                 Number of obs
                                                                             2,085
   Number of strata =
                                                 Population size
                                                                       212,496,041
                              15
   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
                                                          min
                                                                             13.33
                                                                             13.33
                                                          avg
                                                                             13.33
                                                          max
   Model F test:
                                                  F( 1,
                       Equal FMI
                                                            13.3)
                                                                            476.58
                                                                            0.0000
   Within VCE type:
                                                  Prob > F
                      Linearized
                                                              [95% conf. interval]
            AGE
                  Coefficient Std. err.
                                                   P>|t|
                                              t
    LNNFLMEDIAN
                    13.55092
                                .6207259
                                            21.83
                                                    0.000
                                                              12.21333
                                                                          14.88852
          _cons
                    24.97519
                               1.029121
                                            24.27
                                                   0.000
                                                              22.75754
                                                                          27.19283
```

Normal

91 . mi estimate: svy, subpop(SAMPLE_FINAL): mlogit SEX LNNFLMEDIAN

	ltiple-imputation estimates rvey: Multinomial logistic regressio				ions of obs	= =	5 2,085
Number of stra Number of PSUs		15 30		Subpop.	ion size no. obs size RVI	=	212,496,041 2,071 212,496,041 0.0000
DF adjustment:	: Small samp	10		Largest Complete	FMI	= =	0.0000 15 13.33
J	·				avg max	= =	13.33 13.33
Model F test: Within VCE typ	Equal F pe: Lineariz			F(1 , Prob > I		=	4.73 0.0482
SEX	Coefficient	Std. err.	t	P> t	[95%	conf	. interval]
1 LNNFLMEDIAN _cons	.2030094 3541737	.0933407 .1633358	2.17 -2.17		.001 706	8704 1445	.4041484 0022029
2	(base outco	me)					

92 . mi estimate: svy, subpop(SAMPLE_FINAL): mlogit RACE_ETHN LNNFLMEDIAN

Multiple-imputation estimates	Imputations	=	5
Survey: Multinomial logistic regression	on 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)	=	10.39
Within VCE type: Linearized	Prob > F	=	0.0009

RACE_ETHN	Coefficient	Std. err.	t	P> t	[95% conf.	interval]
0	(base outco	ome)				
1 LNNFLMEDIAN _cons	5915826 8201064	.1489333 .3489014	-3.97 -2.35	0.002 0.035	9125178 -1.571951	2706475 0682619
2 LNNFLMEDIAN _cons	7193782 4032776	.1780066 .2441405	-4.04 -1.65	0.001 0.122	-1.102963 9293738	3357933 .1228185
3 LNNFLMEDIAN _cons	4784101 -1.429612	.1434905 .2405998	-3.33 -5.94	0.005 0.000	7876166 -1.948079	1692036 9111461

93 . mi estimate: svy, subpop(SAMPLE_FINAL): mlogit MARRIED_LIVP LNNFLMEDIAN

Multiple-imputation estimates Survey: Multinomial logistic regressio				Imputati Number o	= =	5 2,085	
Number of stra Number of PSUs		15 30		Subpop. Subpop. Average	ion size no. obs size RVI FMI	= = :	212,496,041 2,071 212,496,041 0.0000 0.0000
DF adjustment:	: Small samp	le		Complete DF:		= = =	15 13.33 13.33 13.33
Model F test: Within VCE typ	•			F(1 , Prob > i	13.3)		0.49 0.4961
MARRIED_LIVP	Coefficient	Std. err.	t	P> t	[95%	conf	. interval]
1	(base outco	me)					
2 LNNFLMEDIAN _cons	.0892427 7468373	.1275455 .2326513	0.70 -3.21		185 -1.24	6039 8176	.3640894 245499

94 . mi estimate: svy, subpop(SAMPLE_FINAL): reg HOUSEHOLDSIZE LNNFLMEDIAN

Multiple-imputation estimates Survey: Linear regression	Imputations Number of obs	=	5 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)	=	150.83
Within VCE type: Linearized	Prob > F	=	0.0000

HOUSEHOLDS~E	Coefficient	Std. err.	t	P> t	[95% conf.	interval]
LNNFLMEDIAN _cons		.0581974 .1143368			8401439 4.02226	5893257 4.515027

95 . mi estimate: svy, subpop(SAMPLE_FINAL): mlogit PIR LNNFLMEDIAN

 96

Number of stra Number of PSUs		15 30		Population Subpop. In Subpop. Is Average F Largest F	no. obs size RVI FMI	= = = =	212,496,041 2,071 212,496,041 0.0575 0.0671
DF adjustment:	Small samp	le			DF nin avg	= = =	15 12.59 12.78
Model F test: Within VCE typ	Equal F be: Lineariz			F(2 , Prob > F	12.8)	= =	13.10 1.38 0.2869
PIR	Coefficient	Std. err.	t	P> t	[95%	conf	. interval]
1 LNNFLMEDIAN _cons	2430749 8796861	.1982535 .1898401	-1.23 -4.63		671 -1.29		.184889
2 LNNFLMEDIAN _cons	.0568277 -1.249693	.1654338 .206082	0.34 -6.06		301 -1.69		.4154154 8035985
3	(base outco	me)					
. mi estimate: Multiple-imput Survey: Multir Number of stra Number of PSUs	ration estimat nomial logisti nta =	es		Imputation Number of Population Subpop.	ons f obs on size no. obs	= = =	5 2,085 212,496,041 2,071
DF adjustment:	Small samp	le			RVI FMI DF nin	= = = = =	212,496,041 0.0025 0.0191 15 13.26 13.31
					avg nax	=	13.33
Model F test: Within VCE typ	Equal F be: Lineariz			F(4 , Prob > F	13.3)	=	0.49 0.7413
EDUCATION	Coefficient	Std. err.	t	P> t	[95%	conf	. interval]
1 LNNFLMEDIAN _cons	.0527008 -2.136282	.1795174 .3491605	0.29 -6.12	0.774 0.000	334 -2.88	_	.4395526 -1.383857
2 LNNFLMEDIAN _cons	2197136 7537236	.1901463 .2077214	-1.16 -3.63	0.268 0.003	629 -1.20		.190108 3058461
3 LNNFLMEDIAN _cons	0764394 398244	.199208 .3157677	-0.38 -1.26		505 -1.0		.3528621 .2822717
4	(base outco	me)					
5 LNNFLMEDIAN _cons	0623637 .0045145	.1641734 .2497923	-0.38 0.02	0.710 0.986	416 533		.2914369

97 . mi estimate: svy, subpop(SAMPLE_FINAL): mlogit SMOKE LNNFLMEDIAN

5 2,085	=	ions of obs	Imputati Number o	1		ultiple-imputation estimates urvey: Multinomial logistic regressi			
212,496,041	=	ion size	Populati		15	ata =	Number of stra		
2,071	=	no. obs	Subpop.		30	5 =	Number of PSUs		
212,496,041	=	size	Subpop.						
0.0000	=	RVI	Average						
0.0128	=		Largest						
15	=	e DF	Complete						
13.33	=	min	DF:		le	: Small samp	DF adjustment:		
13.33	=	avg							
13.33	=	max							
12.95	=	13.3)	F(2,			Equal F	Model F test:		
0.0008	=	-	Prob > F		ed	oe: Lineariz	Within VCE typ		
0.0008			Prob > F 	t		Coefficient	SMOKE		
				t	Std. err.				
				t	Std. err.	Coefficient	SMOKE		
nf. interval]		[95%		t 4.06	Std. err.	Coefficient	SMOKE 1		
nf. interval]	con 1	[95%	P> t 0.001		Std. err.	Coefficient (base outco	SMOKE 1 2		
nf. interval]	con 1	[95% .247	P> t 0.001	4.06	Std. err. ome)	Coefficient (base outco	SMOKE 1 2 LNNFLMEDIAN		
nf. interval] 0 .8092942 7 -1.232755	con 1	.247 -2.20	P> t 0.001	4.06	Std. err. ome)	Coefficient (base outco	SMOKE 1 2 LNNFLMEDIAN _cons		

98 . mi estimate: svy, subpop(SAMPLE_FINAL): mlogit ALCOHOL LNNFLMEDIAN

	ation estimates nomial logistic regression		Impu ¹		ons obs	=	5 2,085
Number of stra	nta = 15				on size	=	212,496,041
Number of PSUs	s = 30		Subp	op. r	no. obs	=	2,071
			Subpo	op. s	size	=	212,496,041
			Avera	age F	RVI	=	0.0807
			Large	est F	MI	=	0.1638
			Comp	lete	DF	=	15
DF adjustment:	Small sample		DF:	r	nin	=	11.00
•				ā	avg	=	11.24
				n	nax	=	11.48
Model F test:	Equal FMI		F(1,	11.0)	=	0.01
Within VCE typ	e: Linearized		Prob	> F	·	=	0.9143
ALCOHOL	Coefficient Std. err.	t	P>	t	[95%	con	f. interval]

ALCOHOL	Coefficient	Std. err.	t	P> t	[95% conf.	interval]		
1	(base outco	(base outcome)						
2 LNNFLMEDIAN _cons	.013138 -1.263223	.1193734 .2435274	0.11 -5.19	0.914 0.000	249598 -1.7965	.275874 7299461		

99 . mi estimate: svy, subpop(SAMPLE_FINAL): mlogit DRUG_USER_EVER LNNFLMEDIAN

	Multiple-imputation estimates Survey: Multinomial logistic regressio				ions of obs	=	5 2,085
Number of stra Number of PSUs		15 30		Subpop. Average	no. obs size RVI	= = :	212,496,041 2,071 212,496,041 0.0000
DF adjustment:	Small samp	le		Complete DF:	FMI P DF min avg max	= = = = =	0.0000 15 13.33 13.33
Model F test: Within VCE typ	•			F(1 , Prob > F	13.3)		5.67 0.0328
DRUG_USER_~R	Coefficient	Std. err.	t	P> t	[95%	conf	. interval]
0	(base outco	me)					
1 LNNFLMEDIAN _cons	2800614 .2354599	.1176438 .1995076	-2.38 1.18		533 194		0265518 .6653772

100 . mi estimate: svy, subpop(SAMPLE_FINAL): reg DR12TKCAL LNNFLMEDIAN

Multiple-imputation estimate Survey: Linear regression	Imputations Number of obs	=	5 2,085	
54. 16j. 12ca. 16g. 65516				_,,,,,
Number of strata = 1	5	Population size	=	212,496,041
Number of PSUs = 3	0	Subpop. no. obs	=	2,071
		Subpop. size	=	212,496,041
		Average RVI	=	0.1791
		Largest FMI	=	0.1203
		Complete DF	=	15
DF adjustment: Small sampl	e	DF: min	=	11.74
		avg	=	11.92
		max	=	12.11
Model F test: Equal FM	I	F(1, 11.7)	=	0.57
Within VCE type: Linearize	d	Prob > F	=	0.4669

DR12TKCAL	Coefficient	Std. err.	t	P> t	[95% conf.	interval]
LNNFLMEDIAN	-44.1887	58.7725	-0.75		-172.5573	84.17987
_cons	2187.483	83.87792	26.08		2004.91	2370.056

101 . mi estimate: svy, subpop(SAMPLE_FINAL): reg DASH_TOTAL_SCORE LNNFLMEDIAN

	wednesday Ap	// II 24 II.JJ.	.23 2024 F	age 27				
	Number of stra	ıta =	15		Population	size	=	212,496,041
	Number of PSUs	; =	30		Subpop. no		=	2,071
					Subpop. siz	ze	=	212,496,041
					Average RV	[=	0.1238
					Largest FM		=	0.2071
					Complete DF		=	15
	DF adjustment:	Small samp	ole		DF: min	1	=	10.25
					av	3	=	10.53
					max	(=	10.81
	Model F test:	Equal F	MI		F(1, :	L0.8)	=	3.34
	Within VCE typ	e: Lineari z	zed		Prob > F		=	0.0951
	DASH_TOTAL~E	Coefficient	Std. err.	t	P> t	[95%	cont	f. interval]
	LANGUMEDIAN	100000	1076764	1 02	0.095		4050	424402
	LNNFLMEDIAN	.1969065	.1076764	1.83			4059	.434403
	_cons	1.850506	.1503784	12.31	0.000	1.51	5547	2.184465
102	<pre>. mi estimate: Multiple-imput</pre>	ation estimat	_	L): reg	Imputations	5	=	5
	Survey: Linear	regression			Number of o	bs	=	2,085
	Number of stra	ıta =	15		Population	size	=	212,496,041
	Number of PSUs	; =	30		Subpop. no	obs	=	2,071
					Subpop. siz	ze	=	212,496,041
					Average RV	Ī	=	0.0000
					Largest FM		=	0.0000
					Complete DF		=	15
	DF adjustment:	Small samp	ole		DF: min		=	13.33
	•	•			avg	Z	=	13.33
					max	(=	13.33
	Model F test:	Equal F	MI		F(1, :	L3.3)	=	0.31
	Within VCE typ	e: Lineari z	zed		Prob > F		=	0.5853
	PHYSICAL_d~e	Coefficient	Std. err.	t	P> t	[95%	conf	f. interval]
	LNNFLMEDIAN	-125.59	224.5798	-0.56	0.585	-609	.535	358.355
	_cons	2245.083	339.2704	6.62		1513		
103	. mi estimate:		_	L): mlog	git SELF_RA		ALTH =	LNNFLMEDIAN 5
	Survey: Multir			ın	Number of o		=	2,085
			ic Leguessio	VI I			=	-
	Number of stra		15		Population		=	212,496,041
	Number of PSUs	; =	30		Subpop. no		=	2,071
					Subpop. siz		=	212,496,041
					Average RV		=	0.0466
					Largest FM		=	0.0532
			_		Complete DF		=	15
	DF adjustment:	Small samp	ole		DF: min		=	12.79
					av		=	12.95
					max		=	13.12
	Model F test:	Equal F			` ,	L3.1)	=	5.88
	Within VCE typ	e: Lineari z	zed		Prob > F		=	0.0305

Multiple-imputation estimates Survey: Linear regression

SELF_RATED~H | Coefficient Std. err. t P>|t| [95% conf. interval]

L								
	(base outco	ome)						
NFLMEDIAN _cons	.5901885 -2.398577	.2434458 .3106549	2.42 -7.72		.0647261 -3.070807	1.115651 -1.726347		
mi estimate	: svy, subpop(SAMPLE_FINA	L): mlog	it CVD_CA	NCER_HISTORY	LNNFLMEDIAN		
	tation estimat nomial logisti			Imputatio Number of		5 2,085		
umber of str umber of PSU		15 30	:	Populatio Subpop. n Subpop. s Average R Largest F	o. obs = ize = VI = MI =	212,496,041 2,071 212,496,041 0.0000 0.0000		
OF adjustment	·		l	a m	in = vg = ax =	15 13.33 13.33 13.33		
Model F test: Within VCE ty	•			F(1 , Prob > F	13.3) = =	43.63 0.0000		
:VD_CANCER~Y	Coefficient	Std. err.	t	P> t	[95% conf	. interval]		
	(base outco	ome)						
_NNFLMEDIAN _cons	1.116365 -3.532665	.1690013 .2895697	6.61 -12.20		.7521853 -4.156656	1.480544 -2.908674		
foreach x o 2. 3. }	-3.532665 f varlist BMI mi estimate: s tation estimat	.2895697 SBP DBP TOTA	-12.20 ALCHOLES	0.000	-4.156656 BA1C LnACR V g `x' LNNFLM ns =	-2.908674 	folate_RBCSI v	vitaminb12_ser
foreach x o 2. 3. } ultiple-impu	-3.532665 f varlist BMI mi estimate: s tation estimat r regression ata =	.2895697 SBP DBP TOTA	-12.20 ALCHOLES SAMPLE_F	0.000 TEROLSI H INAL): re Imputatio Number of Populatio Subpop. n Subpop. s Average R Largest F	-4.156656 BA1C LnACR V g `x' LNNFLM ns = obs = obs = ize = vi = MI =	-2.908674 TitaminD_serum EDIAN 5 2,085 212,496,041 2,071 212,496,041 0.0016 0.0161	folate_RBCSI	vitaminb12_ser
foreach x o 2. 3. } ultiple-impu urvey: Linea umber of str	-3.532665 f varlist BMI mi estimate: s tation estimat r regression ata = s =	SBP DBP TOTA	ALCHOLES	TEROLSI H INAL): re Imputatio Number of Populatio Subpop. n Subpop. s Average R Largest F Complete DF: m a	-4.156656 BA1C LnACR V g `x' LNNFLM ns = obs = obs = ize = vi = MI =	-2.908674 TitaminD_serum EDIAN 5 2,085 212,496,041 2,071 212,496,041 0.0016	folate_RBCSI	vitaminb12_ser
_cons foreach x o 2. 3. } ltiple-impu rvey: Linea mber of str mber of PSU adjustment del F test:	-3.532665 f varlist BMI mi estimate: s tation estimat r regression ata = s = : Small samp	SBP DBP TOTA Svy, subpop(! es 15 30	ALCHOLES	TEROLSI H INAL): re Imputatio Number of Populatio Subpop. n Subpop. s Average R Largest F Complete DF: m a	-4.156656 BA1C LnACR Vg `x' LNNFLM ns = obs = obs = ize = o. obs = ize = VI = MI = DF = in = vg =	-2.908674 itaminD_serun EDIAN 5 2,085 212,496,041 2,071 212,496,041 0.0016 0.0161 15 13.29 13.30	folate_RBCSI	vitaminb12_ser
_cons foreach x o 2. 3. } ultiple-impu urvey: Linea umber of str umber of PSU	-3.532665 f varlist BMI mi estimate: s tation estimat r regression ata = s = : Small samp	SBP DBP TOTA svy, subpop(! es 15 30	ALCHOLES	TEROLSI H INAL): re Imputatio Number of Populatio Subpop. n Subpop. s Average R Largest F Complete DF: m a m F(1,	-4.156656 BA1C LNACR V g `x' LNNFLM ns = obs = obs = ize = oobs = ize = VI = MI = DF = in = vg = ax = 13.3) =	-2.908674 itaminD_serun EDIAN 5 2,085 212,496,041 2,071 212,496,041 0.0016 0.0161 15 13.29 13.30 13.30 0.03	folate_RBCSI	vitaminb12_ser

Imputations

Number of obs

5

2,085

Number of stra Number of PSUs			Subpo Subpo Avera	ation size p. no. obs p. size ge RVI st FMI	=	212,496,041 2,071 212,496,041 0.0482 0.0952
DF adjustment:	Small sample		Compl	ete DF min avg	= = =	15 12.15 12.16
Model F test: Within VCE typ	Equal FMI be: Linearized		F(Prob	max 1, 12.2) > F	= = =	12.18 71.13 0.0000
SBP	Coefficient Sto	d. err.	t P>	t [95%	conf	. interval]
LNNFLMEDIAN _cons		705439 8. 020141 108.	43 0.0 82 0.0		.4488 7919	7.484277 113.2302
Multiple-imput Survey: Linear	ration estimates regression			ations r of obs	=	5 2,085
Number of stra Number of PSUs			Subpo Subpo Avera Large	ation size p. no. obs p. size ge RVI st FMI	= = ; =	212,496,041 2,071 212,496,041 0.1102 0.1390
DF adjustment:	Small sample		Compl	ete DF min avg	= = =	15 11.43 11.50
Model F test: Within VCE typ	Equal FMI be: Linearized		F(Prob	max 1, 11.4) > F	= = =	11.57 1.53 0.2412
DBP	Coefficient Sto	d. err.	t P>	t [95%	conf	. interval]
LNNFLMEDIAN _cons		561885 1. 988024 62.	24 0.2 55 0.0		1067 57479	2.283157 70.43547
Multiple-imput Survey: Linear	ation estimates regression			ations r of obs	=	5 2,085
Number of stra Number of PSUs			Subpo Subpo Avera	ation size p. no. obs p. size ge RVI st FMI	=	212,496,041 2,071 212,496,041 0.0000 0.0000
DF adjustment:	Small sample		Compl	ete DF min avg	= = =	15 13.33 13.33
Model F test: Within VCE typ	Equal FMI be: Linearized		F(Prob	max 1, 13.3) > F	= = =	13.33 6.26 0.0261
TOTALCHOLE~I	Coefficient Sto	d. err.	t P>	t [95%	conf	. interval]
LNNFLMEDIAN _cons		058593 2. 907002 51.	50 0.0 55 0.0		3024 '9861	.2728253 4.87076
Multiple-imput Survey: Linear	ation estimates regression			ations r of obs	= =	5 2,085

Number of stra Number of PSUs DF adjustment:	; =	15 30		Population Subpop. no. Subpop. siz Average RVI Largest FMI Complete DF DF: min	obs = e = = = = =	212,496,041 2,071 212,496,041 0.0010 0.0138 15 13.32
Model F test: Within VCE typ	Equal F	MI		avg max	=	13.32 13.33 93.04 0.0000
HBA1C	Coefficient	Std. err.	t	P> t	[95% con	f. interval]
LNNFLMEDIAN _cons	.4336236 4.959641	.0449556 .0548566	9.65 90.41		.3367459 4.841421	
Multiple-imput Survey: Linear		es		Imputations Number of o		5 2,085
Number of stra Number of PSUs		15 30		Population Subpop. no. Subpop. siz Average RVI Largest FMI	obs = e = = =	212,496,041 2,071 212,496,041 0.0281 0.0602
DF adjustment:	Small samp	le		Complete DF DF: min avg	=	15 12.69 12.85
Model F test: Within VCE typ	Equal F De: Lineariz			max F(1, 1 Prob > F	2.7) = = =	13.00 17.26 0.0012
LnACR	Coefficient	Std. err.	t	P> t	[95% con	f. interval]
LNNFLMEDIAN _cons	.1805701 1.874696	.04346 .0730969	4.15 25.65		.0864481 1.716778	
Multiple-imput Survey: Linear		es		Imputations Number of o		5 2,085
Number of stra Number of PSUs		15 30		Population Subpop. no. Subpop. siz Average RVI Largest FMI	obs = e = =	212,496,041 2,071 212,496,041 0.0000 0.0000
DF adjustment:	Small samp	le		Complete DF DF: min avg	=	15 13.33 13.33
Model F test: Within VCE typ	Equal F De: Lineariz			max F(1, 1 Prob > F	3.3) = = =	13.33 38.67 0.0000
VitaminD_s~m	Coefficient	Std. err.	t	P> t	[95% con	f. interval]
LNNFLMEDIAN _cons	8.426768 51.78106	1.355096 2.399694	6.22 21.58		5.506683 46.60998	
Multiple-imput Survey: Linear		es		Imputations Number of o	= bs =	5 2,085

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Number of stra	ata =	15		Population	n size =	212,496,041
Number of PSUs		30		Subpop. no		2,071
Number of F303	-	50		Subpop. no		-
				Average RV		
				Largest FM		0.0237
				Complete D		15
DF adjustment:	: Small samp	10			in =	13.20
Di aujustilierie.	. Jillati Jaliip	,16		a\		
				ma	•	13.23
Model F test:	Equal F	:мт		F(1,	13.2) =	13.79
Within VCE typ	•			Prob > F	=	0.0025
within ver typ	Je. Lineariz	.eu		7100 / 1	_	0.0023
folate_RBCSI	Coefficient	Std. err.	t	P> t	[95% cor	nf. interval]
LNNFLMEDIAN	132.0121	35.55107	3.71	0.003	55.3248	3 208.6994
_cons	1048.097	54.52396	19.22		930.5136	
Multiple-imput	tation estimat	es		Imputation	ıs =	5
Survey: Linear		•		Number of		2,085
5u. veyv ==cu.	. 66. 65526					_,,,,,
Number of stra	ata =	15		Population	n size =	212,496,041
Number of PSUs	5 =	30		Subpop. no		2,071
				Subpop. si		
				Average R\		0.0008
				Largest FM		0.0131
				Complete D		15
DF adjustment:	: Small samp	ole.			in =	
z. aajasemene					/g =	13.33
				ma	0	13.33
Model F test:	Equal F	мт		F(1,		2.93
Within VCE typ	•			Prob > F	=	0.1104
21						
vitaminb12~i	Coefficient	Std. err.	t	P> t	[95% cor	nf. interval]
LNNFLMEDIAN	79.01156	46.19559	1.71	0.110	-20.53648	3 178.5596
_cons	484.9013	47.51525	10.21		382.5076	
Multiple-imput	tation estimat	es		Imputation	is =	5
Survey: Linear				Number of		2,085
Number of stra	ata =	15		Population	n size =	212,496,041
Number of PSUs		30		Subpop. no		2,071
				Subpop. si		212,496,041
				Average R\		0.0000
				Largest FM		0.0000
				Complete D		15
DF adjustment:	: Small samp	ole .		DF: mi		13.33
-	•			a١	/g =	13.33
				ma	•	13.33
Model F test: Equal FMI				F(1 ,	13.3) =	750.97
Within VCE typ				Prob > F	=	0.0000
LNNFL	Coefficient	Std. err.	t	P> t	[95% cor	nf. interval]
LNNFLMEDIAN	1.034176	.0377385	27.40	0.000	.9528536	1.115498
_cons	1.004776	.042004	23.92	0.000	.9142622	

107 .

108 . mi estimate: svy, subpop(SAMPLE_FINAL): mlogit MORTSTAT LNNFLMEDIAN

Multiple-imputation Survey: Multinomia		tations er of obs	=	5 2,085		
Number of strata Number of PSUs	= 15 = 30		Subpo Subpo Avera Large	lation size op. no. obs op. size age RVI est FMI lete DF	= = = =	212,496,041 2,071 212,496,041 0.0000 0.0000
DF adjustment: S	Small sample		DF:		= = =	13.33 13.33 13.33
	Equal FMI Linearized		F(Prob	1, 13.3) > F	=	18.39 0.0008
MORTSTAT	Coefficient	Std. err.	t	P> t	[95%	conf. interval]
Assumed_alive	(base outcome)					
Assumed_deceased LNNFLMEDIAN _cons	1.672859 -6.097823	.3901013 .7261045	4.29 -8.40		.8322 -7.662	2332 2.513485 2499 -4.533147

109 . 110 . save, replace

file finaldata_imputed.dta saved

111 . 112 .

113 .
114 . capture log close