



name: <unnamed>  
 log: E:\16GBBACKUPUSB\BACKUP\_USB\_SEPTEMBER2014\May Baydoun\_folder\HANDLS\_PAPER65\_HCY\_COGN\OUTPUT\FIGURE1.  
 log type: smcl  
 opened on: 28 Nov 2023, 10:36:44

```
1 .
2 .
3 . *****MAIN ANALYSIS*****
4 .
5 . //////////FIGURE 1: PARTICIPANT FLOWCHART, TEXT OF METHODS////
6 .
7 . use finaldata_imputed_FINAL,clear
8 .
9 .
10 . su timew1w3 if HNDwave==3
```

Variable	Obs	Mean	Std. dev.	Min	Max
timew1w3	14,808	4.659765	.9608437	.4	9.1

```
11 .
12 .
13 . **Initial sample: N=3,720**
14 .
15 . mi estimate: mean w1Age if HNDwave==1
```

```
Multiple-imputation estimates      Imputations      =          5
Mean estimation                   Number of obs    =       3,720
                                   Average RVI        =       0.0000
                                   Largest FMI       =       0.0000
                                   Complete DF      =       3719
DF adjustment:  Small sample      DF:   min       =   3,717.00
                                   avg       =   3,717.00
Within VCE type:  Analytic        max       =   3,717.00
```

	Mean	Std. err.	[95% conf. interval]	
w1Age	48.26927	.1534168	47.96848	48.57006

```
16 . mi estimate: prop Sex if HNDwave==1
```

```
Multiple-imputation estimates      Imputations      =          5
Proportion estimation             Number of obs    =       3,720
                                   Average RVI        =       0.0000
                                   Largest FMI       =       0.0000
                                   Complete DF      =       3719
DF adjustment:  Small sample      DF:   min       =   3,717.00
                                   avg       =   3,717.00
Within VCE type:  Analytic        max       =   3,717.00
```

	Proportion	Std. err.	Normal [95% conf. interval]	
Sex				
Women	<b>.547043</b>	<b>.0081615</b>	<b>.5310416</b>	<b>.5630444</b>
Men	<b>.452957</b>	<b>.0081615</b>	<b>.4369556</b>	<b>.4689584</b>

17 . mi estimate: prop Race if HNDwave==1

```

Multiple-imputation estimates      Imputations      =          5
Proportion estimation             Number of obs     =       3,720
                                   Average RVI         =       0.0000
                                   Largest FMI          =       0.0000
                                   Complete DF          =       3719
DF adjustment:  Small sample      DF:      min     =   3,717.00
                                   avg                   =   3,717.00
Within VCE type:  Analytic        max                   =   3,717.00

```

	Proportion	Std. err.	Normal [95% conf. interval]	
Race				
White	<b>.4091398</b>	<b>.0080613</b>	<b>.3933347</b>	<b>.4249449</b>
AfrAm	<b>.5908602</b>	<b>.0080613</b>	<b>.5750551</b>	<b>.6066653</b>

18 . mi estimate: prop PovStat if HNDwave==1

```

Multiple-imputation estimates      Imputations      =          5
Proportion estimation             Number of obs     =       3,720
                                   Average RVI         =       0.0000
                                   Largest FMI          =       0.0000
                                   Complete DF          =       3719
DF adjustment:  Small sample      DF:      min     =   3,717.00
                                   avg                   =   3,717.00
Within VCE type:  Analytic        max                   =   3,717.00

```

	Proportion	Std. err.	Normal [95% conf. interval]	
PovStat				
Above	<b>.5873656</b>	<b>.0080717</b>	<b>.5715402</b>	<b>.603191</b>
Below	<b>.4126344</b>	<b>.0080717</b>	<b>.396809</b>	<b>.4284598</b>

19 .

20 . save, replace

file finaldata\_imputed\_FINAL.dta saved

21 .  
 22 . tab sample1 if HNDwave==1 & \_mi\_m==0

sample1	Freq.	Percent	Cum.
1	3,720	100.00	100.00
Total	3,720	100.00	

23 .  
 24 . \*\*Sample with complete HOMOCYSTEINE data: N=1,460\*\*  
 25 .  
 26 . tab sample2 if HNDwave==1 & \_mi\_m==0

sample2	Freq.	Percent	Cum.
0	2,260	60.75	60.75
1	1,460	39.25	100.00
Total	3,720	100.00	

27 .  
 28 . \*\*Samples with complete and reliable cognitive test scores at waves 1 or 3: Report maximum sample sizes for par  
 29 .  
 30 . tab1 sample3\*part if HNDwave==1 & \_mi\_m==0

-> tabulation of sample3apart if HNDwave==1 & \_mi\_m==0

sample3apar t	Freq.	Percent	Cum.
0	861	23.15	23.15
1	2,859	76.85	100.00
Total	3,720	100.00	

-> tabulation of sample3bpart if HNDwave==1 & \_mi\_m==0

sample3bpar t	Freq.	Percent	Cum.
0	982	26.40	26.40
1	2,738	73.60	100.00
Total	3,720	100.00	

-> tabulation of sample3cpart if HNDwave==1 & \_mi\_m==0

sample3cpar t	Freq.	Percent	Cum.
0	1,066	28.66	28.66
1	2,654	71.34	100.00
Total	3,720	100.00	

-> tabulation of sample3dpart if HNDwave==1 & \_mi\_m==0

sample3dpart	Freq.	Percent	Cum.
0	835	22.45	22.45
1	2,885	77.55	100.00
Total	3,720	100.00	

-> tabulation of sample3epart if HNDwave==1 & \_mi\_m==0

sample3epart	Freq.	Percent	Cum.
0	1,019	27.39	27.39
1	2,701	72.61	100.00
Total	3,720	100.00	

-> tabulation of sample3fpart if HNDwave==1 & \_mi\_m==0

sample3fpart	Freq.	Percent	Cum.
0	798	21.45	21.45
1	2,922	78.55	100.00
Total	3,720	100.00	

-> tabulation of sample3gpart if HNDwave==1 & \_mi\_m==0

sample3gpart	Freq.	Percent	Cum.
0	837	22.50	22.50
1	2,883	77.50	100.00
Total	3,720	100.00	

-> tabulation of sample3hpart if HNDwave==1 & \_mi\_m==0

sample3hpart	Freq.	Percent	Cum.
0	842	22.63	22.63
1	2,878	77.37	100.00
Total	3,720	100.00	

-> tabulation of sample3ipart if HNDwave==1 & \_mi\_m==0

sample3ipart	Freq.	Percent	Cum.
0	819	22.02	22.02
1	2,901	77.98	100.00
Total	3,720	100.00	

-> tabulation of sample3jpart if HNDwave==1 & \_mi\_m==0

sample3jpart	Freq.	Percent	Cum.
0	1,080	29.03	29.03
1	2,640	70.97	100.00
Total	3,720	100.00	

-> tabulation of sample3kpart if HNDwave==1 & \_mi\_m==0

sample3kpart	Freq.	Percent	Cum.
0	1,107	29.76	29.76
1	2,613	70.24	100.00
Total	3,720	100.00	

31 . tab1 sample3\*part if HNDwave==3 & \_mi\_m==0

-> tabulation of sample3apart if HNDwave==3 & \_mi\_m==0

sample3apart	Freq.	Percent	Cum.
0	181	7.33	7.33
1	2,287	92.67	100.00
Total	2,468	100.00	

-> tabulation of sample3bpart if HNDwave==3 & \_mi\_m==0

sample3bpart	Freq.	Percent	Cum.
0	209	8.47	8.47
1	2,259	91.53	100.00
Total	2,468	100.00	

-> tabulation of sample3cpart if HNDwave==3 & \_mi\_m==0

sample3cpart	Freq.	Percent	Cum.
0	271	10.98	10.98
1	2,197	89.02	100.00
Total	2,468	100.00	

-> tabulation of sample3dpart if HNDwave==3 & \_mi\_m==0

sample3dpart	Freq.	Percent	Cum.
0	149	6.04	6.04
1	2,319	93.96	100.00
Total	2,468	100.00	

-> tabulation of sample3epart if HNDwave==3 & \_mi\_m==0

sample3epar t	Freq.	Percent	Cum.
0	251	10.17	10.17
1	2,217	89.83	100.00
Total	2,468	100.00	

-> tabulation of sample3fpart if HNDwave==3 & \_mi\_m==0

sample3fpar t	Freq.	Percent	Cum.
0	120	4.86	4.86
1	2,348	95.14	100.00
Total	2,468	100.00	

-> tabulation of sample3gpart if HNDwave==3 & \_mi\_m==0

sample3gpar t	Freq.	Percent	Cum.
0	145	5.88	5.88
1	2,323	94.12	100.00
Total	2,468	100.00	

-> tabulation of sample3hpart if HNDwave==3 & \_mi\_m==0

sample3hpar t	Freq.	Percent	Cum.
0	144	5.83	5.83
1	2,324	94.17	100.00
Total	2,468	100.00	

-> tabulation of sample3ipart if HNDwave==3 & \_mi\_m==0

sample3ipar t	Freq.	Percent	Cum.
0	137	5.55	5.55
1	2,331	94.45	100.00
Total	2,468	100.00	

-> tabulation of sample3jpart if HNDwave==3 & \_mi\_m==0

sample3jpar t	Freq.	Percent	Cum.
0	376	15.24	15.24
1	2,092	84.76	100.00
Total	2,468	100.00	

-> tabulation of sample3kpart if HNDwave==3 & \_mi\_m==0

sample3kpar t	Freq.	Percent	Cum.
0	403	16.33	16.33
1	2,065	83.67	100.00
Total	2,468	100.00	

32 .

33 . tab1 sample3\*obs if HNDwave==1 &amp; \_mi\_m==0 | HNDwave==3 &amp; \_mi\_m==0

-&gt; tabulation of sample3aobs if HNDwave==1 &amp; \_mi\_m==0 | HNDwave==3 &amp; \_mi\_m==0

sample3aobs	Freq.	Percent	Cum.
0	1,625	26.26	26.26
1	4,563	73.74	100.00
Total	6,188	100.00	

-&gt; tabulation of sample3bobs if HNDwave==1 &amp; \_mi\_m==0 | HNDwave==3 &amp; \_mi\_m==0

sample3bobs	Freq.	Percent	Cum.
0	2,041	32.98	32.98
1	4,147	67.02	100.00
Total	6,188	100.00	

-&gt; tabulation of sample3cobs if HNDwave==1 &amp; \_mi\_m==0 | HNDwave==3 &amp; \_mi\_m==0

sample3cobs	Freq.	Percent	Cum.
0	2,255	36.44	36.44
1	3,933	63.56	100.00
Total	6,188	100.00	

-&gt; tabulation of sample3dobs if HNDwave==1 &amp; \_mi\_m==0 | HNDwave==3 &amp; \_mi\_m==0

sample3dobs	Freq.	Percent	Cum.
0	1,510	24.40	24.40
1	4,678	75.60	100.00
Total	6,188	100.00	

-&gt; tabulation of sample3eobs if HNDwave==1 &amp; \_mi\_m==0 | HNDwave==3 &amp; \_mi\_m==0

sample3eobs	Freq.	Percent	Cum.
0	2,051	33.14	33.14
1	4,137	66.86	100.00
Total	6,188	100.00	

-&gt; tabulation of sample3fobs if HNDwave==1 &amp; \_mi\_m==0 | HNDwave==3 &amp; \_mi\_m==0

sample3fobs	Freq.	Percent	Cum.
0	1,376	22.24	22.24
1	4,812	77.76	100.00
Total	6,188	100.00	

-> tabulation of sample3gobs if HNDwave==1 & \_mi\_m==0 | HNDwave==3 & \_mi\_m==0

sample3gobs	Freq.	Percent	Cum.
0	1,639	26.49	26.49
1	4,549	73.51	100.00
Total	6,188	100.00	

-> tabulation of sample3hobs if HNDwave==1 & \_mi\_m==0 | HNDwave==3 & \_mi\_m==0

sample3hobs	Freq.	Percent	Cum.
0	1,663	26.87	26.87
1	4,525	73.13	100.00
Total	6,188	100.00	

-> tabulation of sample3iobs if HNDwave==1 & \_mi\_m==0 | HNDwave==3 & \_mi\_m==0

sample3iobs	Freq.	Percent	Cum.
0	1,406	22.72	22.72
1	4,782	77.28	100.00
Total	6,188	100.00	

-> tabulation of sample3jobs if HNDwave==1 & \_mi\_m==0 | HNDwave==3 & \_mi\_m==0

sample3jobs	Freq.	Percent	Cum.
0	1,807	29.20	29.20
1	4,381	70.80	100.00
Total	6,188	100.00	

-> tabulation of sample3kobs if HNDwave==1 & \_mi\_m==0 | HNDwave==3 & \_mi\_m==0

sample3kobs	Freq.	Percent	Cum.
0	1,954	31.58	31.58
1	4,234	68.42	100.00
Total	6,188	100.00	



34 .  
 35 .  
 36 . \*\*Samples with complete and reliable cognitive test scores at waves 1 or 3 and complete AL exposures: Report ra  
 37 .  
 38 . tab1 sample4\*part if HNDwave==1 & \_mi\_m==0

-> tabulation of sample4apart if HNDwave==1 & \_mi\_m==0

sample4apar t	Freq.	Percent	Cum.
0	2,290	61.56	61.56
1	1,430	38.44	100.00
Total	3,720	100.00	

-> tabulation of sample4bpart if HNDwave==1 & \_mi\_m==0

sample4bpar t	Freq.	Percent	Cum.
0	2,300	61.83	61.83
1	1,420	38.17	100.00
Total	3,720	100.00	

-> tabulation of sample4cpart if HNDwave==1 & \_mi\_m==0

sample4cpar t	Freq.	Percent	Cum.
0	2,329	62.61	62.61
1	1,391	37.39	100.00
Total	3,720	100.00	

-> tabulation of sample4dpart if HNDwave==1 & \_mi\_m==0

sample4dpar t	Freq.	Percent	Cum.
0	2,277	61.21	61.21
1	1,443	38.79	100.00
Total	3,720	100.00	

-> tabulation of sample4epart if HNDwave==1 & \_mi\_m==0

sample4epar t	Freq.	Percent	Cum.
0	2,302	61.88	61.88
1	1,418	38.12	100.00
Total	3,720	100.00	

-> tabulation of sample4fpart if HNDwave==1 & \_mi\_m==0

sample4fpart t	Freq.	Percent	Cum.
0	2,274	61.13	61.13
1	1,446	38.87	100.00
Total	3,720	100.00	

-> tabulation of sample4gpart if HNDwave==1 & \_mi\_m==0

sample4gpart t	Freq.	Percent	Cum.
0	2,277	61.21	61.21
1	1,443	38.79	100.00
Total	3,720	100.00	

-> tabulation of sample4hpart if HNDwave==1 & \_mi\_m==0

sample4hpart t	Freq.	Percent	Cum.
0	2,276	61.18	61.18
1	1,444	38.82	100.00
Total	3,720	100.00	

-> tabulation of sample4ipart if HNDwave==1 & \_mi\_m==0

sample4ipart t	Freq.	Percent	Cum.
0	2,275	61.16	61.16
1	1,445	38.84	100.00
Total	3,720	100.00	

-> tabulation of sample4jpart if HNDwave==1 & \_mi\_m==0

sample4jpart t	Freq.	Percent	Cum.
0	2,292	61.61	61.61
1	1,428	38.39	100.00
Total	3,720	100.00	

-> tabulation of sample4kpart if HNDwave==1 & \_mi\_m==0

sample4kpart t	Freq.	Percent	Cum.
0	2,306	61.99	61.99
1	1,414	38.01	100.00
Total	3,720	100.00	

39 . tab1 sample4\*part if HNDwave==3 & \_mi\_m==0

-> tabulation of sample4apart if HNDwave==3 & \_mi\_m==0

sample4apart	Freq.	Percent	Cum.
0	1,070	43.35	43.35
1	1,398	56.65	100.00
Total	2,468	100.00	

-> tabulation of sample4bpart if HNDwave==3 & \_mi\_m==0

sample4bpart	Freq.	Percent	Cum.
0	1,077	43.64	43.64
1	1,391	56.36	100.00
Total	2,468	100.00	

-> tabulation of sample4cpart if HNDwave==3 & \_mi\_m==0

sample4cpart	Freq.	Percent	Cum.
0	1,103	44.69	44.69
1	1,365	55.31	100.00
Total	2,468	100.00	

-> tabulation of sample4dpart if HNDwave==3 & \_mi\_m==0

sample4dpart	Freq.	Percent	Cum.
0	1,056	42.79	42.79
1	1,412	57.21	100.00
Total	2,468	100.00	

-> tabulation of sample4epart if HNDwave==3 & \_mi\_m==0

sample4epart	Freq.	Percent	Cum.
0	1,076	43.60	43.60
1	1,392	56.40	100.00
Total	2,468	100.00	

-> tabulation of sample4fpart if HNDwave==3 & \_mi\_m==0

sample4fpart	Freq.	Percent	Cum.
0	1,054	42.71	42.71
1	1,414	57.29	100.00
Total	2,468	100.00	

-> tabulation of sample4gpart if HNDwave==3 & \_mi\_m==0

sample4gpart	Freq.	Percent	Cum.
0	1,056	42.79	42.79
1	1,412	57.21	100.00
Total	2,468	100.00	

-> tabulation of sample4hpart if HNDwave==3 & \_mi\_m==0

sample4hpart	Freq.	Percent	Cum.
0	1,055	42.75	42.75
1	1,413	57.25	100.00
Total	2,468	100.00	

-> tabulation of sample4ipart if HNDwave==3 & \_mi\_m==0

sample4ipart	Freq.	Percent	Cum.
0	1,054	42.71	42.71
1	1,414	57.29	100.00
Total	2,468	100.00	

-> tabulation of sample4jpart if HNDwave==3 & \_mi\_m==0

sample4jpart	Freq.	Percent	Cum.
0	1,071	43.40	43.40
1	1,397	56.60	100.00
Total	2,468	100.00	

-> tabulation of sample4kpart if HNDwave==3 & \_mi\_m==0

sample4kpart	Freq.	Percent	Cum.
0	1,085	43.96	43.96
1	1,383	56.04	100.00
Total	2,468	100.00	

41 . tab1 sample4\*obs if HNDwave==1 & \_mi\_m==0 | HNDwave==3 & \_mi\_m==0

-> tabulation of sample4aobs if HNDwave==1 & \_mi\_m==0 | HNDwave==3 & \_mi\_m==0

sample4aobs	Freq.	Percent	Cum.
0	3,535	57.13	57.13
1	2,653	42.87	100.00
Total	6,188	100.00	

-> tabulation of sample4bobs if HNDwave==1 & \_mi\_m==0 | HNDwave==3 & \_mi\_m==0

sample4bobs	Freq.	Percent	Cum.
0	3,724	60.18	60.18
1	2,464	39.82	100.00
Total	6,188	100.00	

-> tabulation of sample4cobs if HNDwave==1 & \_mi\_m==0 | HNDwave==3 & \_mi\_m==0

sample4cobs	Freq.	Percent	Cum.
0	3,849	62.20	62.20
1	2,339	37.80	100.00
Total	6,188	100.00	

-> tabulation of sample4dobs if HNDwave==1 & \_mi\_m==0 | HNDwave==3 & \_mi\_m==0

sample4dobs	Freq.	Percent	Cum.
0	3,437	55.54	55.54
1	2,751	44.46	100.00
Total	6,188	100.00	

-> tabulation of sample4eobs if HNDwave==1 & \_mi\_m==0 | HNDwave==3 & \_mi\_m==0

sample4eobs	Freq.	Percent	Cum.
0	3,702	59.83	59.83
1	2,486	40.17	100.00
Total	6,188	100.00	

-> tabulation of sample4fobs if HNDwave==1 & \_mi\_m==0 | HNDwave==3 & \_mi\_m==0

sample4fobs	Freq.	Percent	Cum.
0	3,415	55.19	55.19
1	2,773	44.81	100.00
Total	6,188	100.00	

-> tabulation of sample4gobs if HNDwave==1 & \_mi\_m==0 | HNDwave==3 & \_mi\_m==0

sample4gobs	Freq.	Percent	Cum.
0	3,471	56.09	56.09
1	2,717	43.91	100.00
Total	6,188	100.00	

-> tabulation of sample4hobs if HNDwave==1 & \_mi\_m==0 | HNDwave==3 & \_mi\_m==0

sample4hobs	Freq.	Percent	Cum.
0	3,484	56.30	56.30
1	2,704	43.70	100.00
Total	6,188	100.00	

-> tabulation of sample4iobs if HNDwave==1 & \_mi\_m==0 | HNDwave==3 & \_mi\_m==0

sample4iobs	Freq.	Percent	Cum.
0	3,421	55.28	55.28
1	2,767	44.72	100.00
Total	6,188	100.00	

-> tabulation of sample4jobs if HNDwave==1 & \_mi\_m==0 | HNDwave==3 & \_mi\_m==0

sample4jobs	Freq.	Percent	Cum.
0	3,487	56.35	56.35
1	2,701	43.65	100.00
Total	6,188	100.00	

-> tabulation of sample4kobs if HNDwave==1 & \_mi\_m==0 | HNDwave==3 & \_mi\_m==0

sample4kobs	Freq.	Percent	Cum.
0	3,579	57.84	57.84
1	2,609	42.16	100.00
Total	6,188	100.00	

```

42 .
43 . save finaldata_imputed_FINAL,replace
    file finaldata_imputed_FINAL.dta saved

44 .
45 .
46 .
47 . capture log close

```