



name: <unnamed>
 log: E:\16GBBACKUPUSB\BACKUP_USB_SEPTEMBER2014\May Baydoun_folder\HANDLS_PAPER64_HCYDEPANXIETY_LONG\OUTPU
 log type: smcl
 opened on: 21 Jun 2024, 09:21:50

```
1 .
2 .
3 . capture drop timew1w4

4 . gen timew1w4=0 if HNDwave==1
   (50,154 missing values generated)

5 . replace timew1w4=w4Age-w1Age if HNDwave==4
   (13,026 real changes made)

6 .
7 . *****TABLE 2: HCys LOAD AT WAVE 1 VS. DEPRESSIVE SYMPTOMS CHANGE OVER TIME: OVERALL**
8 .
9 . //MODEL 1: INCLUDE ONLY AGE, SEX, RACE AND POVERTY STATUS///
10 . mi estimate: mixed CES c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovStat
    > c.timew1w3w4#c.Lnw1HCyscenter2p15 ///
    > if sample4obs==1 || HNDID: timew1w3w4, cov(un)
```

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	4,015
Group variable: HNDID	Number of groups	=	1,460
	Obs per group:		
	min =		1
	avg =		2.8
	max =		3
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
DF adjustment: Large sample	DF: min	=	1.33e+58
	avg	=	5.04e+64
	max	=	.
Model F test: Equal FMI	F(13, 6.1e+63)	=	10.22
	Prob > F	=	0.0000

CES	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3w4	-.2047729	.0636709	-3.22	0.001	-.3295656	-.0799803
w1Agecent48	-.1151419	.0311402	-3.70	0.000	-.1761756	-.0541082
c.timew1w3w4#c.w1Agecent48	.0016888	.0037025	0.46	0.648	-.005568	.0089457
timew1w3w4	0 (omitted)					
Sex						
Men	-2.689832	.5868451	-4.58	0.000	-3.840027	-1.539637
Sex#c.timew1w3w4						
Men	.076229	.0690236	1.10	0.269	-.0590548	.2115129
timew1w3w4	0 (omitted)					
Race						
AfrAm	-1.536724	.5642869	-2.72	0.006	-2.642706	-.4307419
Race#c.timew1w3w4						
AfrAm	.0923091	.067164	1.37	0.169	-.0393299	.223948

timew1w3w4	0 (omitted)					
PovStat Below	4.21449	.5830406	7.23	0.000	3.071751	5.357228
PovStat#c.timew1w3w4 Below	-.0062584	.0677059	-0.09	0.926	-.1389595	.1264427
timew1w3w4 invmillsCES	0 (omitted)					
	-.0064565	.0251931	-0.26	0.798	-.055834	.042921
c.timew1w3w4#c.invmillsCES	-.0019818	.002776	-0.71	0.475	-.0074227	.0034591
timew1w3w4 Lnw1HCyscenter2p15	0 (omitted)					
	2.337214	.9024688	2.59	0.010	.5684075	4.10602
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.1150114	.1078054	-1.07	0.286	-.3263061	.0962833
_cons	14.87527	.5222086	28.49	0.000	13.85176	15.89878

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.1959494	.1829025	.0314498	1.220871
sd(_cons)	8.296455	.2674724	7.788438	8.837608
corr(timew1w3w4,_cons)	-.3152491	.2013361	-.6437313	.1113298
sd(Residual)	7.108706	.1361877	6.846732	7.380703

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13 . mi estimate: mixed CES_DA c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovSt

> c.timew1w3w4##c.Lnw1HCyscenter2p15 ///

> if sample4obs==1 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates

Imputations = 5

Mixed-effects ML regression

Number of obs = 4,032

Group variable: HNDID

Number of groups = 1,460

Obs per group:

min = 1

avg = 2.8

max = 3

Average RVI = .

Largest FMI = .

DF adjustment: Large sample

DF: min = 0.00

avg = .

max = .

Model F test: Equal FMI

F(13, 4.4e+62) = 11.39

Prob > F = 0.0000

CES_DA	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3w4	-.1032965	.0278102	-3.71	0.000	-.1578036	-.0487895
w1Agecent48	-.0355349	.013604	-2.61	0.009	-.0621982	-.0088716
c.timew1w3w4#c.w1Agecent48	-.0014223	.0016173	-0.88	0.379	-.0045921	.0017475
timew1w3w4	0	(omitted)				
Sex						
Men	-1.472309	.2562688	-5.75	0.000	-1.974586	-.9700312
Sex#c.timew1w3w4						
Men	.0613047	.0301654	2.03	0.042	.0021816	.1204278
timew1w3w4	0	(omitted)				
Race						
AfrAm	-.5583488	.2464649	-2.27	0.023	-1.041411	-.0752865
Race#c.timew1w3w4						
AfrAm	.0056739	.0293667	0.19	0.847	-.0518839	.0632317
timew1w3w4	0	(omitted)				
PovStat						
Below	1.676692	.254739	6.58	0.000	1.177413	2.175972
PovStat#c.timew1w3w4						
Below	-.0186406	.0296297	-0.63	0.529	-.0767138	.0394326
timew1w3w4	0	(omitted)				
invmillscES	-.0096927	.0110209	-0.88	0.379	-.0312933	.011908
c.timew1w3w4#c.invmillscES	.0006654	.0012204	0.55	0.586	-.0017264	.0030573
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.9510725	.3942718	2.41	0.016	.1783139	1.723831
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0668709	.0471596	-1.42	0.156	-.159302	.0255602
_cons	4.815665	.2281181	21.11	0.000	4.368562	5.262768

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0582121	.	.	.
sd(_cons)	3.591845	.	.	.
corr(timew1w3w4,_cons)	-1	.	.	.
sd(Residual)	3.161866	.	.	.

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17 . mi estimate: mixed CES_IP c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovSt

> c.timew1w3w4##c.Lnw1HCyscenter2p15 ///

> if sample4obs==1 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	4,032
Group variable: HNDID	Number of groups	=	1,460
	Obs per group:		
	min	=	1
	avg	=	2.8
	max	=	3
	Average RVI	=	.
	Largest FMI	=	.
DF adjustment: Large sample	DF: min	=	0.00
	avg	=	.
	max	=	.
Model F test: Equal FMI	F(13, 5.4e+65)	=	5.09
	Prob > F	=	0.0000

CES_IP	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3w4	-.006947	.0087529	-0.79	0.427	-.0241025	.0102084
w1Agecent48	-.0115783	.0036486	-3.17	0.002	-.0187293	-.0044272
c.timew1w3w4#c.w1Agecent48	-.0000663	.000509	-0.13	0.896	-.001064	.0009314
timew1w3w4	0 (omitted)					
Sex						
Men	.0883943	.0687268	1.29	0.198	-.0463077	.2230963
Sex#c.timew1w3w4						
Men	-.0131466	.0094959	-1.38	0.166	-.0317582	.0054651
timew1w3w4	0 (omitted)					
Race						
AfrAm	.0194419	.0661121	0.29	0.769	-.1101354	.1490192
Race#c.timew1w3w4						
AfrAm	.002379	.0092461	0.26	0.797	-.0157429	.020501
timew1w3w4	0 (omitted)					
PovStat						
Below	.3273022	.0683946	4.79	0.000	.1932513	.4613531
PovStat#c.timew1w3w4						
Below	-.0019233	.0093287	-0.21	0.837	-.0202072	.0163606
timew1w3w4	0 (omitted)					
invmillscES	.0019601	.0029686	0.66	0.509	-.0038582	.0077785
c.timew1w3w4#c.invmillscES	-.0003658	.0003847	-0.95	0.342	-.0011197	.0003881
timew1w3w4	0 (omitted)					
Lnw1HCyscenter2p15	.0849202	.1057593	0.80	0.422	-.1223642	.2922046

timew1w3w4	0 (omitted)					
PovStat						
Below	1.664367	.2300383	7.24	0.000	1.2135	2.115234
PovStat#c.timew1w3w4						
Below	-.020142	.029712	-0.68	0.498	-.0783765	.0380926
timew1w3w4	0 (omitted)					
invmillsCES	-.0046581	.0099611	-0.47	0.640	-.0241815	.0148652
c.timew1w3w4#c.invmillsCES	-.0008693	.0012222	-0.71	0.477	-.0032648	.0015262
timew1w3w4	0 (omitted)					
Lnw1HCyscenter2p15	.7839055	.3559179	2.20	0.028	.0863194	1.481492
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0100676	.0472649	-0.21	0.831	-.1027052	.08257
_cons	6.650406	.2058385	32.31	0.000	6.24697	7.053842

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.1380412	.0481993	.0696303	.2736652
sd(_cons)	3.080381	.1143991	2.864129	3.312961
corr(timew1w3w4,_cons)	-.362436	.1066863	-.5514134	-.1380772
sd(Residual)	3.056226	.0574255	2.945722	3.170877

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24 .

25 . mi estimate: mixed CES_WB c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovSt

> c.timew1w3w4##c.Lnw1HCyscenter2p15 ///

> if sample4obs==1 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates

Imputations = 5

Mixed-effects ML regression

Number of obs = 4,032

Group variable: HNDID

Number of groups = 1,460

Obs per group:

min = 1

avg = 2.8

max = 3

Average RVI = 0.0000

Largest FMI = 0.0000

DF adjustment: Large sample

DF: min = 1.82e+60

avg = 2.58e+64

max = .

Model F test: Equal FMI

F(13, 3.1e+65) = 9.72

Prob > F = 0.0000

CES_WB	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3w4	.0034932	.0189551	0.18	0.854	-.0336581	.0406446
w1Agecent48	.0241204	.0072325	3.34	0.001	.009945	.0382958
c.timew1w3w4#c.w1Agecent48	-.0021783	.0011011	-1.98	0.048	-.0043364	-.0000203
timew1w3w4	0	(omitted)				
Sex						
Men	.3373746	.136234	2.48	0.013	.0703609	.6043883
Sex#c.timew1w3w4						
Men	.0004537	.0205327	0.02	0.982	-.0397897	.040697
timew1w3w4	0	(omitted)				
Race						
AfrAm	.7556823	.1310601	5.77	0.000	.4988093	1.012555
Race#c.timew1w3w4						
AfrAm	-.0791087	.0199623	-3.96	0.000	-.1182341	-.0399832
timew1w3w4	0	(omitted)				
PovStat						
Below	-.5387036	.1356044	-3.97	0.000	-.8044833	-.2729239
PovStat#c.timew1w3w4						
Below	-.0370323	.0201446	-1.84	0.066	-.0765151	.0024504
timew1w3w4	0	(omitted)				
invmillscES	-.006136	.0058909	-1.04	0.298	-.0176821	.00541
c.timew1w3w4#c.invmillscES	.0014329	.0008254	1.74	0.083	-.0001849	.0030506
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	-.480821	.2096822	-2.29	0.022	-.8917906	-.0698513
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0358045	.032103	1.12	0.265	-.0271161	.0987252
_cons	9.347317	.1211245	77.17	0.000	9.109917	9.584717

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0748568	.0427384	.0244484	.2291989
sd(_cons)	1.534064	.0856033	1.375134	1.711362
corr(timew1w3w4,_cons)	.7516859	.6968566	-.9739152	.999469
sd(Residual)	2.085793	.0402329	2.00841	2.166158

```

26 .
27 .
28 .
29 .
30 . save "finaldata_imputed_FINAL.dta", replace
    file finaldata_imputed_FINAL.dta saved

31 .
32 .
33 . //MODEL 2: FULL MODEL///
34 .
35 . mi estimate: mixed CES c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovStat
    > c.timew1w3w4##w1smoke c.timew1w3w4##w1currdugs c.timew1w3w4##c.w1hei2010_total_scorecent43 ///
    > c.timew1w3w4##c.w1BMICent30 ///
    > c.timew1w3w4##c.Lnw1HCyscenter2p15 ///
    > if sample4obs==1 || HNDID: timew1w3w4, cov(un)

```

```

Multiple-imputation estimates      Imputations      =      5
Mixed-effects ML regression      Number of obs    =    4,015

Group variable: HNDID            Number of groups =    1,460
                                Obs per group:
                                    min =      1
                                    avg =     2.8
                                    max =      3
                                Average RVI      =    0.0756
                                Largest FMI       =    0.3236
DF adjustment: Large sample      DF:      min     =    46.01
                                    avg           =  245,201.36
                                    max           =  4182393.01
Model F test: Equal FMI          F( 25,13907.8)  =     9.04
                                Prob > F         =    0.0000

```

CES	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3w4	-.2827255	.1557027	-1.82	0.069	-.5879048	.0224539
w1Agecent48	-.0845175	.031047	-2.72	0.006	-.1453696	-.0236655
c.timew1w3w4#c.w1Agecent48	.0009604	.0038027	0.25	0.801	-.0064928	.0084137
timew1w3w4	0 (omitted)					
Sex						
Men	-3.073358	.5857136	-5.25	0.000	-4.221357	-1.925359
Sex#c.timew1w3w4						
Men	.094885	.0708011	1.34	0.180	-.0438866	.2336566
timew1w3w4	0 (omitted)					
Race						
AfrAm	-1.687248	.5567782	-3.03	0.002	-2.778546	-.595949
Race#c.timew1w3w4						
AfrAm	.080946	.0683623	1.18	0.236	-.053043	.2149351
timew1w3w4	0 (omitted)					
PovStat						
Below	2.938744	.5950036	4.94	0.000	1.772455	4.105032
PovStat#c.timew1w3w4						

Below	.0098867	.0714155	0.14	0.890	-.130088	.1498613
timew1w3w4	0	(omitted)				
wledubr						
2	-1.32315	1.169413	-1.13	0.258	-3.61635	.9700491
3	-3.562174	1.225955	-2.91	0.004	-5.966275	-1.158073
wledubr#c.timew1w3w4						
2	.151943	.1467893	1.04	0.301	-.1357664	.4396524
3	.0981033	.1530388	0.64	0.521	-.2018479	.3980544
timew1w3w4	0	(omitted)				
invmlsCES	-.0057094	.0245801	-0.23	0.816	-.0538854	.0424667
c.timew1w3w4#c.invmlsCES	-.0015777	.0027889	-0.57	0.572	-.0070439	.0038885
timew1w3w4	0	(omitted)				
1.w1smoke	1.847789	.6218243	2.97	0.003	.6245589	3.071018
w1smoke#c.timew1w3w4						
1	-.0356736	.0793955	-0.45	0.653	-.1914473	.1201002
timew1w3w4	0	(omitted)				
1.w1curdrugs	2.739879	.817818	3.35	0.001	1.103478	4.376279
w1curdrugs#c.timew1w3w4						
1	-.1607044	.1076179	-1.49	0.142	-.3767689	.0553602
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.0573781	.0263525	-2.18	0.035	-.1104227	-.0043335
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0006269	.0032986	-0.19	0.849	-.0071165	.0058627
timew1w3w4	0	(omitted)				
w1BMlcent30	.0643738	.0384454	1.67	0.094	-.0109869	.1397345
c.timew1w3w4#c.w1BMlcent30	.00153	.0046856	0.33	0.744	-.0076538	.0107137
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	1.8245	.8828377	2.07	0.039	.0941653	3.554834
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.1142581	.1089765	-1.05	0.294	-.3278517	.0993354
_cons	16.35926	1.224232	13.36	0.000	13.95918	18.75933

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.200424	.1811455	.0340893	1.178368
sd(_cons)	7.923449	.2681257	7.414978	8.466787
corr(timew1w3w4,_cons)	-.3149551	.1982731	-.6395765	.1049949
sd(Residual)	7.111812	.1375503	6.847225	7.386622

36 .

37 .

38 . mi estimate: mixed CES_DA c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovStat

> c.timew1w3w4##w1smoke c.timew1w3w4##w1curdrugs c.timew1w3w4##c.w1hei2010_total_scorecent43 ///

> c.timew1w3w4##c.w1BMICent30 ///

> c.timew1w3w4##c.Lnw1HCyscenter2p15 ///

> if sample4obs==1 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	4,032

Group variable: HNDID	Number of groups	=	1,460
	Obs per group:		

min = 1

avg = 2.8

max = 3

Average RVI = .

Largest FMI = .

DF adjustment: Large sample

DF: min = 0.00

avg = .

max = .

Model F test: Equal FMI

F(25,17739.2) = 8.31

Prob > F = 0.0000

CES_DA	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3w4	-.1437182	.0678764	-2.12	0.034	-.2767555	-.010681
w1Agecent48	-.0236658	.0136749	-1.73	0.084	-.0504685	.0031369
c.timew1w3w4#c.w1Agecent48	-.0017791	.0016588	-1.07	0.283	-.0050303	.001472
timew1w3w4	0 (omitted)					
Sex						
Men	-1.616902	.2574808	-6.28	0.000	-2.121558	-1.112246
Sex#c.timew1w3w4						
Men	.0709978	.0308766	2.30	0.021	.01048	.1315155
timew1w3w4	0 (omitted)					
Race						
AfrAm	-.6318437	.2445289	-2.58	0.010	-1.111114	-.152573
Race#c.timew1w3w4						
AfrAm	.0018754	.0298523	0.06	0.950	-.0566343	.0603851
timew1w3w4	0 (omitted)					
PovStat						
Below	1.219366	.2618605	4.66	0.000	.7060944	1.732638
PovStat#c.timew1w3w4						
Below	-.0043865	.0312053	-0.14	0.888	-.0655484	.0567753
timew1w3w4	0 (omitted)					
w1edubr						
2	-.3776565	.5196668	-0.73	0.468	-1.397268	.6419548
3	-1.205837	.539379	-2.24	0.025	-2.263508	-.1481662
w1edubr#c.timew1w3w4						

2	.0568517	.0640929	0.89	0.375	-.0687734	.1824768
3	.0622613	.0669227	0.93	0.352	-.0689068	.1934295
timew1w3w4	0 (omitted)					
inv millsCES	-.0095886	.0108357	-0.88	0.376	-.0308262	.011649
c.timew1w3w4#c.inv millsCES	.0008048	.0012239	0.66	0.511	-.0015941	.0032037
timew1w3w4	0 (omitted)					
1.w1smoke	.6574798	.2676915	2.46	0.014	.1322378	1.182722
w1smoke#c.timew1w3w4						
1	-.0246834	.0340352	-0.73	0.468	-.0913998	.042033
timew1w3w4	0 (omitted)					
1.w1currrdrugs	1.179739	.3414339	3.46	0.001	.5046281	1.85485
w1currrdrugs#c.timew1w3w4						
1	-.0486654	.0452371	-1.08	0.285	-.1386856	.0413548
timew1w3w4	0 (omitted)					
w1hei2010_total_scorecent43	-.0168319	.0126653	-1.33	0.196	-.042915	.0092513
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0001911	.001467	-0.13	0.897	-.0030854	.0027033
timew1w3w4	0 (omitted)					
w1BM Icent30	.0248988	.0168251	1.48	0.139	-.0080782	.0578758
c.timew1w3w4#c.w1BM Icent30	.0014124	.0020504	0.69	0.491	-.0026064	.0054312
timew1w3w4	0 (omitted)					
Lnw1HCyscenter2p15	.7726103	.3887689	1.99	0.047	.0106356	1.534585
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0658686	.0475184	-1.39	0.166	-.159003	.0272658
_cons	5.247274	.5392615	9.73	0.000	4.190061	6.304487

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3w4)	.0561049	.	.
sd(_cons)	3.474458	.	.
corr(timew1w3w4,_cons)	-1	.	.
sd(Residual)	3.163165	.	.

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```

42 . mi estimate: mixed CES_IP c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovStat
> c.timew1w3w4##w1smoke c.timew1w3w4##w1currdugs c.timew1w3w4##c.w1hei2010_total_scorecent43 ///
> c.timew1w3w4##c.w1BMICent30 ///
> c.timew1w3w4##c.Lnw1HCyscenter2p15 ///
> if sample4obs==1 || HNDID: timew1w3w4, cov(un)

```

```

Multiple-imputation estimates      Imputations      =      5
Mixed-effects ML regression      Number of obs    =    4,032

Group variable: HNDID
Number of groups =    1,460
Obs per group:
    min =      1
    avg =     2.8
    max =      3
Average RVI      =      .
Largest FMI      =      .
DF adjustment:   Large sample    DF: min         =    0.00
                                avg         =      .
                                max         =      .
Model F test:    Equal FMI       F( 25,49386.0) =    3.77
                                Prob > F      =    0.0000

```

CES_IP	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3w4	-.012552	.0213401	-0.59	0.556	-.0543781	.0292741
w1Agecent48	-.0094125	.0037091	-2.54	0.011	-.0166823	-.0021427
c.timew1w3w4#c.w1Agecent48	-.0001781	.0005223	-0.34	0.733	-.0012019	.0008457
timew1w3w4	0	(omitted)				
Sex						
Men	.0633306	.0699187	0.91	0.365	-.0737091	.2003702
Sex#c.timew1w3w4						
Men	-.011469	.0097098	-1.18	0.238	-.0305	.0075619
timew1w3w4	0	(omitted)				
Race						
AfrAm	.0095768	.0664137	0.14	0.885	-.1205928	.1397465
Race#c.timew1w3w4						
AfrAm	.0021557	.0093886	0.23	0.818	-.0162457	.0205572
timew1w3w4	0	(omitted)				
PovStat						
Below	.2496323	.0708061	3.53	0.000	.1108539	.3884107
PovStat#c.timew1w3w4						
Below	-.0001036	.0098237	-0.01	0.992	-.0193579	.0191508
timew1w3w4	0	(omitted)				
w1edubr						
2	-.0601467	.1393362	-0.43	0.666	-.333284	.2129906
3	-.2446484	.1448433	-1.69	0.091	-.528538	.0392411
w1edubr#c.timew1w3w4						
2	.007425	.0200972	0.37	0.712	-.031965	.046815

3	.0079989	.0211355	0.38	0.705	-.0334282	.049426
timew1w3w4	0 (omitted)					
inv millsCES	.0021666	.0029516	0.73	0.463	-.0036184	.0079517
c.timew1w3w4#c.inv millsCES	-.0003493	.0003855	-0.91	0.365	-.0011048	.0004063
timew1w3w4	0 (omitted)					
1.w1smoke	.0330983	.0752761	0.44	0.660	-.1146933	.1808899
w1smoke#c.timew1w3w4						
1	.0028663	.0106279	0.27	0.787	-.0179644	.023697
timew1w3w4	0 (omitted)					
1.w1curdrugs	.219227	.098071	2.24	0.028	.0242706	.4141834
w1curdrugs#c.timew1w3w4						
1	-.0198327	.0132135	-1.50	0.134	-.0458108	.0061455
timew1w3w4	0 (omitted)					
w1hei2010_total_scorecent43	-.0048135	.0033272	-1.45	0.154	-.0114982	.0018711
c.timew1w3w4#c.w1hei2010_total_scorecent43	.0001422	.0004731	0.30	0.764	-.0007954	.0010798
timew1w3w4	0 (omitted)					
w1BM Icent30	.0041419	.0046016	0.90	0.368	-.004878	.0131618
c.timew1w3w4#c.w1BM Icent30	-.0000144	.0006439	-0.02	0.982	-.0012764	.0012475
timew1w3w4	0 (omitted)					
Lnw1HCyscenter2p15	.051465	.105447	0.49	0.626	-.1552074	.2581374
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0019648	.0149486	-0.13	0.895	-.0312635	.027334
_cons	.8904744	.146568	6.08	0.000	.6031742	1.177775

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3w4)	.0072222	.	.
sd(_cons)	.8159053	.	.
corr(timew1w3w4,_cons)	-.9999962	.	.
sd(Residual)	1.002002	.	.

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```

46 . mi estimate: mixed CES_SC c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovStat
> c.timew1w3w4##w1smoke c.timew1w3w4##w1currdrugs c.timew1w3w4##c.w1hei2010_total_scorecent43 ///
> c.timew1w3w4##c.w1BMICent30 ///
> c.timew1w3w4##c.Lnw1HCyscenter2p15 ///
> if sample4obs==1 || HNDID: timew1w3w4, cov(un)

```

```

Multiple-imputation estimates      Imputations      =      5
Mixed-effects ML regression      Number of obs    =    4,032

Group variable: HNDID
Number of groups =    1,460
Obs per group:
    min =      1
    avg =     2.8
    max =      3
Average RVI      =    0.0581
Largest FMI      =    0.3258
DF:      min     =    45.43
         avg     = 291,868.09
         max     = 6777516.12
Model F test:      Equal FMI      F( 25,22912.9) =    11.10
Prob > F          =    0.0000

```

CES_SC	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3w4	-.1327333	.06829	-1.94	0.052	-.2665884	.0011219
w1Agecent48	-.0315242	.0122187	-2.58	0.010	-.0554726	-.0075758
c.timew1w3w4#c.w1Agecent48	.0009918	.0016658	0.60	0.552	-.0022732	.0042567
timew1w3w4	0 (omitted)					
Sex						
Men	-1.130193	.2304462	-4.90	0.000	-1.581865	-.6785217
Sex#c.timew1w3w4						
Men	.0321405	.0311057	1.03	0.301	-.0288281	.0931092
timew1w3w4	0 (omitted)					
Race						
AfrAm	-.3079793	.2192801	-1.40	0.160	-.7377729	.1218144
Race#c.timew1w3w4						
AfrAm	.0008094	.0299915	0.03	0.978	-.0579737	.0595924
timew1w3w4	0 (omitted)					
PovStat						
Below	1.119643	.2343896	4.78	0.000	.6602158	1.57907
PovStat#c.timew1w3w4						
Below	-.0176876	.0313735	-0.56	0.573	-.0791797	.0438045
timew1w3w4	0 (omitted)					
w1edubr						
2	-.4625775	.4562565	-1.01	0.311	-1.356887	.431732
3	-1.43505	.484718	-2.96	0.003	-2.385539	-.4845619
w1edubr#c.timew1w3w4						
2	.0559804	.0644897	0.87	0.385	-.0704304	.1823913
3	.0526029	.0671094	0.78	0.433	-.0789311	.184137

	timew1w3w4	0 (omitted)				
	inv millsCES	-.0043673	.0097047	-0.45	0.653	-.0233882 .0146536
	c.timew1w3w4#c.inv millsCES	-.0007002	.0012304	-0.57	0.569	-.0031116 .0017113
	timew1w3w4	0 (omitted)				
	1.w1smoke	.8919156	.2558941	3.49	0.001	.387126 1.396705
	w1smoke#c.timew1w3w4					
	1	-.0084059	.034811	-0.24	0.809	-.0767115 .0598997
	timew1w3w4	0 (omitted)				
	1.w1currrdrugs	.8674141	.3054243	2.84	0.005	.2653782 1.46945
	w1currrdrugs#c.timew1w3w4					
	1	-.0260748	.0476576	-0.55	0.587	-.1220369 .0698873
	timew1w3w4	0 (omitted)				
	w1hei2010_total_scorecent43	-.0251077	.0099922	-2.51	0.013	-.0448606 -.0053548
	c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0012165	.0014433	-0.84	0.400	-.0040566 .0016235
	timew1w3w4	0 (omitted)				
	w1BM Icent30	.026129	.0151764	1.72	0.085	-.0036201 .0558781
	c.timew1w3w4#c.w1BM Icent30	.0004708	.002062	0.23	0.819	-.0035708 .0045124
	timew1w3w4	0 (omitted)				
	Lnw1HCyscenter2p15	.5700105	.3480783	1.64	0.102	-.1122152 1.252236
	c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0139981	.0478669	-0.29	0.770	-.1078182 .0798219
	_cons	7.187618	.4846387	14.83	0.000	6.237473 8.137762

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.1431536	.0470263	.0751906	.2725466
sd(_cons)	2.915617	.1155795	2.697661	3.151183
corr(timew1w3w4,_cons)	-.4037751	.1030065	-.5845639	-.1847872
sd(Residual)	3.057172	.0577996	2.94595	3.172594

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50 . mi estimate: mixed CES_WB c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovSt
> c.timew1w3w4##w1smoke c.timew1w3w4##w1currrdrugs c.timew1w3w4##c.w1hei2010_total_scorecent43 ///
> c.timew1w3w4##c.w1BM Icent30 ///
> c.timew1w3w4##c.Lnw1HCyscenter2p15 ///
> if sample4obs==1 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates Imputations = 5
Mixed-effects ML regression Number of obs = 4,032

Group variable: HNDID

Number of groups = 1,460

Obs per group:

min = 1

avg = 2.8

max = 3

Average RVI = 0.0716

Largest FMI = 0.2951

DF adjustment: Large sample

DF: min = 54.92

avg = 2349878.60

max = 5.93e+07

Model F test: Equal FMI

F(25,15086.7) = 7.19

Prob > F = 0.0000

CES_WB	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3w4	-.0127133	.0462162	-0.28	0.783	-.1033009	.0778744
w1Agecent48	.0184681	.0073143	2.52	0.012	.0041323	.032804
c.timew1w3w4#c.w1Agecent48	-.001861	.0011319	-1.64	0.100	-.0040795	.0003576
timew1w3w4	0	(omitted)				
Sex						
Men	.4106277	.1378221	2.98	0.003	.1404989	.6807565
Sex#c.timew1w3w4						
Men	-.0039004	.0209254	-0.19	0.852	-.0449136	.0371128
timew1w3w4	0	(omitted)				
Race						
AfrAm	.7685579	.1312078	5.86	0.000	.5113885	1.025727
Race#c.timew1w3w4						
AfrAm	-.0765441	.0202218	-3.79	0.000	-.1161783	-.0369099
timew1w3w4	0	(omitted)				
PovStat						
Below	-.3315011	.1401255	-2.37	0.018	-.6061531	-.0568492
PovStat#c.timew1w3w4						
Below	-.031091	.0211727	-1.47	0.142	-.0725895	.0104074
timew1w3w4	0	(omitted)				
wledubr						
2	.3154609	.2738589	1.15	0.249	-.2213237	.8522455
3	.5703145	.2873463	1.98	0.047	.0070927	1.133536
wledubr#c.timew1w3w4						
2	-.01992	.0435149	-0.46	0.647	-.1052116	.0653716
3	.0392735	.0454171	0.86	0.387	-.0497436	.1282906
timew1w3w4	0	(omitted)				
invmlsCES	-.0061678	.00583	-1.06	0.290	-.0175944	.0052588
c.timew1w3w4#c.invmlsCES	.0013071	.0008258	1.58	0.113	-.0003114	.0029256
timew1w3w4	0	(omitted)				
1.w1smoke	-.2819863	.1516218	-1.86	0.064	-.5802617	.0162891

w1smoke#c.timew1w3w4 1	-0.0026452	0.0247114	-0.11	0.915	-0.0514258	0.0461355
timew1w3w4 1.w1currdrugs	0 (omitted)	0.2007818	-2.47	0.017	-0.8984838	-0.093705
w1currdrugs#c.timew1w3w4 1	0.0570961	0.0305608	1.87	0.065	-0.0037208	0.117913
timew1w3w4 w1hei2010_total_scorecent43	0 (omitted)	0.0058621	2.53	0.012	0.0033012	0.0263442
c.timew1w3w4#c.w1hei2010_total_scorecent43	-0.0007956	0.001013	-0.79	0.434	-0.0028016	0.0012105
timew1w3w4 w1BMICent30	0 (omitted)	0.0090608	-1.14	0.252	-0.0281312	0.0073887
c.timew1w3w4#c.w1BMICent30	0.000247	0.0013857	0.18	0.859	-0.002469	0.002963
timew1w3w4 Lnw1HCyscenter2p15	0 (omitted)	0.2078903	-1.83	0.067	-0.788379	0.026536
c.timew1w3w4#c.Lnw1HCyscenter2p15	0.0334305	0.032365	1.03	0.302	-0.0300053	0.0968663
_cons	9.057717	0.2875928	31.49	0.000	8.494037	9.621396

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	0.0713008	0.0450257	0.0206805	0.2458262
sd(_cons)	1.481397	0.0871435	1.320077	1.662431
corr(timew1w3w4,_cons)	0.7934057	0.9758228	-0.9994302	0.9999924
sd(Residual)	2.085581	0.0402883	2.008092	2.16606

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