



name: <unnamed>
 log: E:\16GBBACKUPUSB\BACKUP_USB_SEPTEMBER2014\May Baydoun_folder\HANDLS_PAPER64_HCYDEPANXIETY_LONG\OUTPU
 log type: smcl
 opened on: 21 Jun 2024, 09:23:44

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1 .
2 . *****BY SEX*****
3 .
4 .
5 . *****WOMEN*****
6 .
7 .
8 . //MODEL 1: INCLUDE ONLY AGE, SEX, RACE AND POVERTY STATUS///
9 . mi estimate: mixed CES c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovStat
> c.timew1w3w4##c.Lnw1HCyscenter2p15 ///
> if sample4obs==1 & Sex==1 || HNDID: timew1w3w4, cov(un)

```

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	2,326
Group variable: HNDID	Number of groups	=	841
	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(11, .)	=	7.26
	Prob > F	=	0.0000

CES	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.2824422	.0796805	-3.54	0.000	-.4386132	-.1262712
w1Agecent48	-.1628508	.0428864	-3.80	0.000	-.2469065	-.0787951
c.timew1w3w4#c.w1Agecent48	.0017327	.0051626	0.34	0.737	-.0083858	.0118512
timew1w3w4	0 (omitted)					
Sex						
Women	0 (omitted)					
Sex#c.timew1w3w4						
Women	0 (omitted)					
timew1w3w4	0 (omitted)					
Race						
AfrAm	-2.078938	.7954866	-2.61	0.009	-3.638063	-.5198126
Race#c.timew1w3w4						
AfrAm	.2196963	.0942229	2.33	0.020	.0350227	.4043698
timew1w3w4	0 (omitted)					
PovStat						
Below	4.291732	.8145726	5.27	0.000	2.695199	5.888264

Women	0	(omitted)				
timew1w3w4	0	(omitted)				
Race						
AfrAm	-.6556456	.3519321	-1.86	0.062	-1.34542	.0341286
Race#c.timew1w3w4						
AfrAm	.0360316	.041915	0.86	0.390	-.0461203	.1181834
timew1w3w4	0	(omitted)				
PovStat						
Below	1.60989	.3604261	4.47	0.000	.9034678	2.316312
PovStat#c.timew1w3w4						
Below	-.0094635	.0420695	-0.22	0.822	-.0919182	.0729912
timew1w3w4	0	(omitted)				
inv millsCES	-.0051775	.0160805	-0.32	0.747	-.0366947	.0263397
c.timew1w3w4#c.inv millsCES	.0006992	.0019525	0.36	0.720	-.0031276	.004526
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.9251523	.5861587	1.58	0.114	-.2236976	2.074002
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0013632	.0694317	0.02	0.984	-.1347204	.1374467
_cons	4.89901	.2870479	17.07	0.000	4.336406	5.461614

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0629815	.0230638	.0307258	.1290987
sd(_cons)	3.885079	.1542913	3.594143	4.199565
corr(timew1w3w4,_cons)	-.9999993	.	.	.
sd(Residual)	3.416211	.0626436	3.295612	3.541223

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16 . 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 & Sex==1 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates

Imputations = 5

Mixed-effects ML regression

Number of obs = 2,335

Group variable: **HNDID**Number of groups = **841**

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(11, 1.2e+66) = **3.85**Prob > F = **0.0000**

CES_IP	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0019101	.0102173	-0.19	0.852	-.0219357	.0181155
w1Agecent48	-.0141737	.0045578	-3.11	0.002	-.0231067	-.0052406
c.timew1w3w4#c.w1Agecent48	-.0003041	.0006619	-0.46	0.646	-.0016014	.0009933
timew1w3w4	0	(omitted)				
Sex						
Women	0	(omitted)				
Sex#c.timew1w3w4						
Women	0	(omitted)				
timew1w3w4	0	(omitted)				
Race						
AfrAm	.1007361	.0845578	1.19	0.234	-.0649941	.2664664
Race#c.timew1w3w4						
AfrAm	-.0030786	.0120986	-0.25	0.799	-.0267914	.0206341
timew1w3w4	0	(omitted)				
PovStat						
Below	.3136518	.0866791	3.62	0.000	.1437639	.4835396
PovStat#c.timew1w3w4						
Below	-.0053109	.0121398	-0.44	0.662	-.0291044	.0184826
timew1w3w4	0	(omitted)				
invmlsCES	.0039877	.0038786	1.03	0.304	-.0036143	.0115896
c.timew1w3w4#c.invmlsCES	-.0003019	.0005634	-0.54	0.592	-.0014061	.0008023
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.1633806	.1407482	1.16	0.246	-.1124808	.439242
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0029235	.0200476	0.15	0.884	-.0363692	.0422161
_cons	.7424955	.0688249	10.79	0.000	.6076012	.8773897

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0012405	.	.	.
sd(_cons)	.7829042	.	.	.
corr(timew1w3w4,_cons)	.9999298	.	.	.
sd(Residual)	.9907911	.	.	.

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20 . mi estimate: mixed CES_SC c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovSt

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

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

Multiple-imputation estimates

Imputations = 5

Mixed-effects ML regression

Number of obs = 2,335

Group variable: **HNDID**

Number of groups = 841

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(11, 7.9e+64) = 8.46

Prob > F = 0.0000

CES_SC	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.1271868	.0337262	-3.77	0.000	-.1932889	-.0610848
w1Agecent48	-.0506567	.0165916	-3.05	0.002	-.0831757	-.0181377
c.timew1w3w4#c.w1Agecent48	.0000476	.0021857	0.02	0.983	-.0042364	.0043315
timew1w3w4	0 (omitted)					
Sex						
Women	0 (omitted)					
Sex#c.timew1w3w4						
Women	0 (omitted)					
timew1w3w4	0 (omitted)					
Race						
AfrAm	-.6924593	.3078121	-2.25	0.024	-1.29576	-.0891587
Race#c.timew1w3w4						
AfrAm	.0623889	.0399472	1.56	0.118	-.0159061	.1406839
timew1w3w4	0 (omitted)					
PovStat						
Below	1.792952	.3153658	5.69	0.000	1.174846	2.411057

	PovStat#c.timew1w3w4						
	Below	-.0155003	.0400871	-0.39	0.699	-.0940696	.0630691
	timew1w3w4	0 (omitted)					
	invmillscES	-.0013222	.0140876	-0.09	0.925	-.0289334	.026289
	c.timew1w3w4#c.invmillscES	.0000113	.0018609	0.01	0.995	-.0036359	.0036585
	timew1w3w4	0 (omitted)					
	Lnw1HCyscenter2p15	.8915919	.5125316	1.74	0.082	-.1129516	1.896135
	c.timew1w3w4#c.Lnw1HCyscenter2p15	.0372068	.066179	0.56	0.574	-.0925016	.1669151
	_cons	6.859862	.2508403	27.35	0.000	6.368224	7.3515

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3w4)	.031095	.	.
sd(_cons)	3.173744	.	.
corr(timew1w3w4,_cons)	-.9999999	.	.
sd(Residual)	3.268428	.	.

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24 . 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 & Sex==1 || HNDID: timew1w3w4, cov(un)
```

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	2,335
Group variable: HNDID	Number of groups	=	841
	Obs per group:		
	min	=	1
	avg	=	2.8
	max	=	3
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
DF adjustment: Large sample	<u>DF</u> : min	=	1.29e+61
	avg	=	1.94e+61
	max	=	.
Model F test: Equal FMI	F(11, 2.9e+63)	=	8.51
	Prob > F	=	0.0000

CES_WB	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	.033117	.0229454	1.44	0.149	-.0118552	.0780891
w1Agecent48	.0377718	.0098167	3.85	0.000	.0185315	.0570122
c.timew1w3w4#c.w1Agecent48	-.0029405	.0014848	-1.98	0.048	-.0058506	-.0000304
timew1w3w4	0 (omitted)					
Sex						
Women	0 (omitted)					

Sex#c.timew1w3w4						
Women	0	(omitted)				
timew1w3w4	0	(omitted)				
Race						
AfrAm	.833939	.1821229	4.58	0.000	.4769847	1.190893
Race#c.timew1w3w4						
AfrAm	-.1207702	.0271191	-4.45	0.000	-.1739226	-.0676177
timew1w3w4	0	(omitted)				
PovStat						
Below	-.5813178	.1866603	-3.11	0.002	-.9471653	-.2154703
PovStat#c.timew1w3w4						
Below	-.0470962	.0272164	-1.73	0.084	-.1004393	.0062469
timew1w3w4	0	(omitted)				
invmlsCES	-.0076211	.0083423	-0.91	0.361	-.0239717	.0087295
c.timew1w3w4#c.invmlsCES	.0011607	.0012457	0.93	0.351	-.0012808	.0036023
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	-.863348	.3031376	-2.85	0.004	-1.457487	-.2692093
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0404363	.0450545	0.90	0.369	-.047869	.1287416
_cons	9.283592	.1482986	62.60	0.000	8.992932	9.574251

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0920267	.0502249	.0315761	.2682067
sd(_cons)	1.689539	.1120285	1.483637	1.924018
corr(timew1w3w4,_cons)	.3219886	.47	-.6004631	.8767635
sd(Residual)	2.125059	.0545222	2.02084	2.234653

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25 .
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28 . save "finaldata_imputed_FINAL.dta", replace
    file finaldata_imputed_FINAL.dta saved
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30 . //MODEL 2: FULL MODEL//

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32 . 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 & Sex==1 || HNDID: timew1w3w4, cov(un)

```

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	2,326
Group variable: HNDID	Number of groups	=	841
	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(23,22141.7)	=	6.80
	Prob > F	=	0.0000

CES	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.1888529	.2172115	-0.87	0.385	-.6146759	.23697
w1Agecent48	-.1194899	.0425818	-2.81	0.005	-.2029495	-.0360302
c.timew1w3w4#c.w1Agecent48	.0008767	.005333	0.16	0.869	-.009576	.0113295
timew1w3w4	0	(omitted)				
Sex						
Women	0	(omitted)				
Sex#c.timew1w3w4						
Women	0	(omitted)				
timew1w3w4	0	(omitted)				
Race						
AfrAm	-2.189184	.7774393	-2.82	0.005	-3.712973	-.665395
Race#c.timew1w3w4						
AfrAm	.1912476	.0961407	1.99	0.047	.0028098	.3796854
timew1w3w4	0	(omitted)				
PovStat						
Below	2.988489	.8201162	3.64	0.000	1.381001	4.595976
PovStat#c.timew1w3w4						
Below	.0243462	.0995835	0.24	0.807	-.1708385	.219531
timew1w3w4	0	(omitted)				
w1edubr						
2	-1.632733	1.640959	-0.99	0.320	-4.851384	1.585919
3	-3.670075	1.683976	-2.18	0.029	-6.970808	-.3693431
w1edubr#c.timew1w3w4						
2	.0781593	.2061573	0.38	0.705	-.3259133	.4822318

3							
	timew1w3w4	0 (omitted)					
	inv millsCES	-.0010167	.0351947	-0.03	0.977	-.069997	.0679636
	c.timew1w3w4#c.inv millsCES	.0001328	.0043923	0.03	0.976	-.008476	.0087417
	timew1w3w4	0 (omitted)					
	1.w1smoke	3.039582	.873132	3.48	0.001	1.322615	4.756549
	w1smoke#c.timew1w3w4						
	1	-.1975045	.115993	-1.70	0.090	-.4257018	.0306928
	timew1w3w4	0 (omitted)					
	1.w1curdrugs	3.938256	1.145407	3.44	0.001	1.686313	6.1902
	w1curdrugs#c.timew1w3w4						
	1	-.1138732	.1568351	-0.73	0.469	-.4245272	.1967809
	timew1w3w4	0 (omitted)					
	w1hei2010_total_scorecent43	-.0419836	.0365158	-1.15	0.256	-.1153687	.0314015
	c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0035803	.0049114	-0.73	0.469	-.013386	.0062254
	timew1w3w4	0 (omitted)					
	w1BM Icent30	.0826782	.0482698	1.71	0.087	-.0119458	.1773021
	c.timew1w3w4#c.w1BM Icent30	.0007332	.0059679	0.12	0.902	-.0109656	.0124319
	timew1w3w4	0 (omitted)					
	Lnw1HCyscenter2p15	1.817972	1.299841	1.40	0.162	-.7297363	4.365681
	c.timew1w3w4#c.Lnw1HCyscenter2p15	.0030455	.158922	0.02	0.985	-.30844	.3145309
	_cons	16.16617	1.691996	9.55	0.000	12.84813	19.48421

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3w4)	.0693126	.	.
sd(_cons)	8.286437	.	.
corr(timew1w3w4,_cons)	-.9999995	.	.
sd(Residual)	7.680308	.	.

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

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

> c.timew1w3w4##c.w1BM Icent30 ///

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

> if sample4obs==1 & Sex==1 || HNDID: timew1w3w4

Multiple-imputation estimates

Imputations = 5

Mixed-effects ML regression

Number of obs = 2,335

Group variable: HNDID

Number of groups = 841

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(23,20563.1) = 5.88

Prob > F = 0.0000

CES_DA	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0675529	.0971026	-0.70	0.487	-.2579257	.1228199
w1Agecent48	-.040984	.0183096	-2.24	0.025	-.0768712	-.0050969
c.timew1w3w4#c.w1Agecent48	-.0015427	.0023743	-0.65	0.516	-.0061963	.0031109
timew1w3w4	0	(omitted)				
Sex						
Women	0	(omitted)				
Sex#c.timew1w3w4						
Women	0	(omitted)				
timew1w3w4	0	(omitted)				
Race						
AfrAm	-.7169416	.3333465	-2.15	0.031	-1.370299	-.0635846
Race#c.timew1w3w4						
AfrAm	.0231853	.0427982	0.54	0.588	-.060699	.1070696
timew1w3w4	0	(omitted)				
PovStat						
Below	1.108702	.3521493	3.15	0.002	.4184607	1.798943
PovStat#c.timew1w3w4						
Below	.0007416	.0443368	0.02	0.987	-.0861581	.0876414
timew1w3w4	0	(omitted)				
w1edubr						
2	-.4830604	.7193442	-0.67	0.502	-1.89615	.9300296
3	-1.223793	.7262956	-1.68	0.092	-2.647491	.1999052
w1edubr#c.timew1w3w4						
2	.0167668	.0924734	0.18	0.856	-.1644992	.1980329
3	-.0134097	.0965666	-0.14	0.890	-.2026911	.1758716
timew1w3w4	0	(omitted)				
inv millsCES	-.0079777	.015111	-0.53	0.598	-.0375948	.0216393
c.timew1w3w4#c.inv millsCES	.0010975	.0019544	0.56	0.574	-.0027331	.0049281
timew1w3w4	0	(omitted)				
1.w1smoke	1.260786	.3572966	3.53	0.000	.5604915	1.96108

w1smoke#c.timew1w3w4 1	- .1032034	.0498805	-2.07	0.039	-.2010314	-.0053754
timew1w3w4 1.w1currdrugs	0 (omitted)					
	1.876198	.5112764	3.67	0.000	.8662256	2.88617
w1currdrugs#c.timew1w3w4 1	-.0431269	.0693837	-0.62	0.535	-.1803702	.0941165
timew1w3w4 w1hei2010_total_scorecent43	0 (omitted)					
	-.012387	.0170179	-0.73	0.473	-.0473026	.0225285
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0010726	.002103	-0.51	0.611	-.0052375	.0030924
timew1w3w4 w1BMICent30	0 (omitted)					
	.0322207	.0206099	1.56	0.118	-.0081764	.0726178
c.timew1w3w4#c.w1BMICent30	.001834	.0026618	0.69	0.491	-.0033839	.0070519
timew1w3w4 Lnw1HCyscenter2p15	0 (omitted)					
	.4804454	.5586396	0.86	0.390	-.6145234	1.575414
c.timew1w3w4#c.Lnw1HCyscenter2p15	.003861	.0708969	0.05	0.957	-.135096	.142818
_cons	5.028891	.7339817	6.85	0.000	3.588769	6.469013

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3w4)	6.20e-07	.	.	.
sd(_cons)	3.455297	.118265	3.231105	3.695044
sd(Residual)	3.42239	.0632771	3.300584	3.548691

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

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	2,335
Group variable: HNDID	Number of groups	=	841
	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(23,49683.0)	=	2.65
	Prob > F	=	0.0000

CES_IP	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0061151	.0275993	-0.22	0.825	-.0602093	.047979
w1Agecent48	-.0115686	.0046516	-2.49	0.013	-.0206856	-.0024517
c.timew1w3w4#c.w1Agecent48	-.0004555	.0006837	-0.67	0.505	-.0017955	.0008845
timew1w3w4	0	(omitted)				
Sex						
Women	0	(omitted)				
Sex#c.timew1w3w4						
Women	0	(omitted)				
timew1w3w4	0	(omitted)				
Race						
AfrAm	.0898887	.0846308	1.06	0.288	-.0759853	.2557627
Race#c.timew1w3w4						
AfrAm	-.0039712	.0123175	-0.32	0.747	-.0281132	.0201708
timew1w3w4	0	(omitted)				
PovStat						
Below	.2413616	.0891071	2.71	0.007	.0667147	.4160085
PovStat#c.timew1w3w4						
Below	-.0031353	.0127603	-0.25	0.806	-.0281452	.0218746
timew1w3w4	0	(omitted)				
w1edubr						
2	-.088117	.1789235	-0.49	0.622	-.4389293	.2626953
3	-.2198574	.1860041	-1.18	0.237	-.5844795	.1447647
w1edubr#c.timew1w3w4						
2	.0136231	.0263659	0.52	0.605	-.038053	.0652993
3	.0088721	.0277034	0.32	0.749	-.0454268	.063171
timew1w3w4	0	(omitted)				
invmillscES	.0037534	.0038541	0.97	0.330	-.0038005	.0113072
c.timew1w3w4#c.invmillsCES	-.0002559	.0005651	-0.45	0.651	-.0013635	.0008516
timew1w3w4	0	(omitted)				
1.w1smoke	.1328185	.0991742	1.34	0.182	-.0624061	.3280431
w1smoke#c.timew1w3w4						
1	-.0084587	.0144442	-0.59	0.558	-.0368	.0198827
timew1w3w4	0	(omitted)				
1.w1currdrugs	.2975528	.1342345	2.22	0.028	.0322048	.5629009
w1currdrugs#c.timew1w3w4						
1	-.0219518	.0191233	-1.15	0.252	-.0595473	.0156437
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.0022123	.0038416	-0.58	0.565	-.0097893	.0053646
c.timew1w3w4#c.w1hei2010_total_scorecent43	.0000322	.0006004	0.05	0.957	-.0011554	.0012198

Sex#c.timew1w3w4						
Women	0	(omitted)				
timew1w3w4	0	(omitted)				
Race						
AfrAm	-.7135377	.3003485	-2.38	0.018	-1.302228	-.1248474
Race#c.timew1w3w4						
AfrAm	.0477572	.0407664	1.17	0.241	-.032146	.1276603
timew1w3w4	0	(omitted)				
PovStat						
Below	1.230162	.3164812	3.89	0.000	.6098494	1.850476
PovStat#c.timew1w3w4						
Below	-.0127487	.0422848	-0.30	0.763	-.0956283	.0701309
timew1w3w4	0	(omitted)				
wledubr						
2	-.7385315	.627626	-1.18	0.239	-1.968845	.4917818
3	-1.695533	.6576647	-2.58	0.010	-2.984811	-.4062543
wledubr#c.timew1w3w4						
2	.0622266	.0872595	0.71	0.476	-.1088014	.2332545
3	.0482726	.0912738	0.53	0.597	-.1306227	.2271679
timew1w3w4	0	(omitted)				
inv millsCES	-.0035803	.0136184	-0.26	0.793	-.030272	.0231113
c.timew1w3w4#c.inv millsCES	.0002795	.0018722	0.15	0.881	-.00339	.0039491
timew1w3w4	0	(omitted)				
1.w1smoke	1.290493	.3380139	3.82	0.000	.6270423	1.953945
w1smoke#c.timew1w3w4						
1	-.0701376	.0486145	-1.44	0.150	-.1656742	.025399
timew1w3w4	0	(omitted)				
1.w1curdrugs	1.304989	.4476145	2.92	0.004	.4259415	2.184037
w1curdrugs#c.timew1w3w4						
1	-.0034356	.0663738	-0.05	0.959	-.1348823	.1280111
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.018974	.0141979	-1.34	0.186	-.0473012	.0093532
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0025596	.0019995	-1.28	0.203	-.0065208	.0014017
timew1w3w4	0	(omitted)				
w1BM Icent30	.0300615	.0185955	1.62	0.106	-.0063885	.0665115
c.timew1w3w4#c.w1BM Icent30	.0003005	.0025235	0.12	0.905	-.004646	.005247
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.4462779	.5012056	0.89	0.373	-.5360832	1.428639
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0290873	.0673129	0.43	0.666	-.1028445	.1610191
_cons	7.389236	.6499958	11.37	0.000	6.115071	8.663402

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0340187	.	.	.
sd(_cons)	2.941762	.	.	.
corr(timew1w3w4,_cons)	-.9999999	.	.	.
sd(Residual)	3.271111	.	.	.

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47 . mi estimate: mixed CES_WB c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovSt
> c.timew1w3w4##w1smoke c.timew1w3w4##w1curdrugs c.timew1w3w4##c.w1hei2010_total_scorecent43 ///
> c.timew1w3w4##c.w1BMICent30 ///
> c.timew1w3w4##c.lnw1HCyscenter2p15 ///
> if sample4obs==1 & Sex==1 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	2,335
Group variable: HNDID	Number of groups	=	841
	Obs per group:		
	min	=	1
	avg	=	2.8
	max	=	3
	Average RVI	=	0.0768
	Largest FMI	=	0.3568
DF adjustment: Large sample	DF: min	=	38.13
	avg	=	419,891.86
	max	=	9152205.48
Model F test: Equal FMI	F(23,11757.3)	=	5.53
	Prob > F	=	0.0000

CES_WB	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0278879	.062314	-0.45	0.655	-.150059	.0942833
w1Agecent48	.0309606	.0100097	3.09	0.002	.0113412	.05058
c.timew1w3w4#c.w1Agecent48	-.0025757	.0015378	-1.67	0.094	-.0055903	.0004388
timew1w3w4	0 (omitted)					
Sex						
Women	0 (omitted)					
Sex#c.timew1w3w4						
Women	0 (omitted)					
timew1w3w4	0 (omitted)					
Race						
AfrAm	.8442015	.1816588	4.65	0.000	.488153	1.20025
Race#c.timew1w3w4						
AfrAm	-.1184105	.0274088	-4.32	0.000	-.1721309	-.06469
timew1w3w4	0 (omitted)					

PovStat Below	- .3925926	.1919906	-2.04	0.041	-.7689028	-.0162824
PovStat#c.timew1w3w4 Below	-.0348039	.0284772	-1.22	0.222	-.0906192	.0210114
timew1w3w4	0	(omitted)				
w1edubr						
2	.3057931	.3812028	0.80	0.422	-.441461	1.053047
3	.5394853	.398243	1.35	0.176	-.2411543	1.320125
w1edubr#c.timew1w3w4						
2	.0112629	.0590984	0.19	0.849	-.1045724	.1270981
3	.0803121	.0616228	1.30	0.192	-.0404671	.2010914
timew1w3w4	0	(omitted)				
inv mills CES	-.0067217	.0082646	-0.81	0.416	-.02292	.0094766
c.timew1w3w4#c.inv mills CES	.0010006	.0012454	0.80	0.422	-.0014404	.0034417
timew1w3w4	0	(omitted)				
1.w1smoke	-.4655318	.2344666	-1.99	0.052	-.9360649	.0050013
w1smoke#c.timew1w3w4						
1	.0173383	.0350776	0.49	0.622	-.0523672	.0870439
timew1w3w4	0	(omitted)				
1.w1curdrugs	-.5526391	.2789495	-1.98	0.048	-1.10161	-.0036682
w1curdrugs#c.timew1w3w4						
1	.0502491	.0446217	1.13	0.262	-.0380897	.1385879
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	.0093701	.008981	1.04	0.302	-.0086686	.0274087
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0000701	.001478	-0.05	0.962	-.0030619	.0029217
timew1w3w4	0	(omitted)				
w1BM Icent30	-.016069	.0113175	-1.42	0.156	-.0382551	.0061172
c.timew1w3w4#c.w1BM Icent30	.0013088	.0016984	0.77	0.441	-.0020201	.0046377
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	-.6800677	.3033785	-2.24	0.025	-1.274683	-.0854524
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0361237	.0457824	0.79	0.430	-.0536136	.1258609
_cons	9.120375	.3967831	22.99	0.000	8.342455	9.898295

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0832845	.0559132	.0223408	.3104774
sd(_cons)	1.630377	.114123	1.421365	1.870125
corr(timew1w3w4,_cons)	.3560143	.5864054	-.7369884	.9339538
sd(Residual)	2.127774	.0547396	2.023145	2.237815


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52 . *****MEN*****
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54 . //MODEL 1: INCLUDE ONLY AGE, SEX, RACE AND POVERTY STATUS///
55 . mi estimate: mixed CES c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovStat
> c.timew1w3w4##c.Lnw1HCyscenter2p15 ///
> if sample4obs==1 & Sex==2 || HNDID: timew1w3w4, cov(un)

```

```

Multiple-imputation estimates      Imputations      =      5
Mixed-effects ML regression      Number of obs    =    1,689

Group variable: HNDID
Number of groups =      619
Obs per group:
    min =      1
    avg =      2.7
    max =      3
Average RVI      =    0.0000
Largest FMI      =    0.0000
DF adjustment:   Large sample
DF:              min      =    2.54e+61
                  avg      =    3.52e+66
                  max      =      .
Model F test:    Equal FMI
F( 11, 4.5e+66) =      3.85
Prob > F        =    0.0000

```

CES	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0031692	.0798787	-0.04	0.968	-.1597285	.1533902
w1Agecent48	-.0458214	.0447403	-1.02	0.306	-.1335108	.041868
c.timew1w3w4#c.w1Agecent48	.0009165	.0053524	0.17	0.864	-.0095741	.011407
timew1w3w4	0	(omitted)				
Sex						
Men	0	(omitted)				
Sex#c.timew1w3w4						
Men	0	(omitted)				
timew1w3w4	0	(omitted)				
Race						
AfrAm	-.7922598	.7904472	-1.00	0.316	-2.341508	.7569882
Race#c.timew1w3w4						
AfrAm	-.0751208	.0969337	-0.77	0.438	-.2651074	.1148658
timew1w3w4	0	(omitted)				
PovStat						
Below	4.150043	.8225381	5.05	0.000	2.537898	5.762188
PovStat#c.timew1w3w4						
Below	-.0259163	.0984253	-0.26	0.792	-.2188263	.1669937
timew1w3w4	0	(omitted)				
inv millsCES	-.013787	.0343745	-0.40	0.688	-.0811598	.0535859
c.timew1w3w4#c.inv millsCES	-.0033474	.0036207	-0.92	0.355	-.010444	.0037491

	timew1w3w4	0 (omitted)				
	Lnw1HCyscenter2p15	1.587031	1.194775	1.33	0.184	- .7546845 3.928746
c.timew1w3w4#c.Lnw1HCyscenter2p15		-.1906605	.1482407	-1.29	0.198	-.4812069 .0998859
	_cons	11.85191	.6329119	18.73	0.000	10.61143 13.0924

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.4423002	.0954921	.2896969	.6752902
sd(_cons)	7.72335	.3525219	7.062423	8.446128
corr(timew1w3w4,_cons)	-.2621766	.1160763	-.4720788	-.0241419
sd(Residual)	6.032799	.1766096	5.696394	6.38907

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58 . 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 & Sex==2 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates

Imputations = 5

Mixed-effects ML regression

Number of obs = 1,697

Group variable: HNDID

Number of groups = 619

Obs per group:

min = 1

avg = 2.7

max = 3

Average RVI = 0.0000

Largest FMI = 0.0000

DF adjustment: Large sample

DF: min = 3.18e+64

avg = 3.18e+64

max = .

Model F test: Equal FMI

F(11, 3.3e+66) = 4.86

Prob > F = 0.0000

CES_DA	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.008792	.0329455	-0.27	0.790	-.0733641	.05578
w1Agecent48	.0017114	.0189302	0.09	0.928	-.0353911	.0388138
c.timew1w3w4#c.w1Agecent48	-.0023376	.0022027	-1.06	0.289	-.0066548	.0019796
timew1w3w4	0 (omitted)					
Sex						
Men	0 (omitted)					
Sex#c.timew1w3w4						
Men	0 (omitted)					
timew1w3w4	0 (omitted)					
Race						
AfrAm	-.476801	.3342704	-1.43	0.154	-1.131959	.178357

Race#c.timew1w3w4						
AfrAm	-.0254014	.0401154	-0.63	0.527	-.1040262	.0532234
timew1w3w4	0	(omitted)				
PovStat						
Below	1.839463	.3480132	5.29	0.000	1.157369	2.521556
PovStat#c.timew1w3w4						
Below	-.0389169	.0406345	-0.96	0.338	-.118559	.0407252
timew1w3w4	0	(omitted)				
invmlsCES	-.0137938	.0146191	-0.94	0.345	-.0424468	.0148591
c.timew1w3w4#c.invmlsCES	.0007168	.0014871	0.48	0.630	-.0021979	.0036315
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	1.025974	.5058805	2.03	0.043	.034467	2.017482
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.1424992	.061628	-2.31	0.021	-.263288	-.0217105
_cons	3.246116	.2672111	12.15	0.000	2.722391	3.76984

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0639696	.1135275	.001974	2.073051
sd(_cons)	3.138929	.1570941	2.84565	3.462435
corr(timew1w3w4,_cons)	-.8576109	1.205638	-1	.9999995
sd(Residual)	2.760688	.0773283	2.613213	2.916487

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62 . 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 & Sex==2 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates

Imputations = 5

Mixed-effects ML regression

Number of obs = 1,697

Group variable: HNDID

Number of groups = 619

Obs per group:

min = 1

avg = 2.7

max = 3

Average RVI = .

Largest FMI = .

DF adjustment: Large sample

DF: min = 0.00

avg = .

max = .

Model F test: Equal FMI

F(11, .) = 2.89

Prob > F = 0.0008

CES_IP	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0270628	.0119939	-2.26	0.024	-.0505704	-.0035553
w1Agecent48	-.007954	.0060401	-1.32	0.188	-.0197923	.0038843
c.timew1w3w4#c.w1Agecent48	.0002318	.0008029	0.29	0.773	-.0013419	.0018055
timew1w3w4	0	(omitted)				
Sex						
Men	0	(omitted)				
Sex#c.timew1w3w4						
Men	0	(omitted)				
timew1w3w4	0	(omitted)				
Race						
AfrAm	-.0989491	.1066781	-0.93	0.354	-.3080345	.1101362
Race#c.timew1w3w4						
AfrAm	.011458	.0146265	0.78	0.433	-.0172094	.0401255
timew1w3w4	0	(omitted)				
PovStat						
Below	.3575537	.1111653	3.22	0.001	.1396737	.5754338
PovStat#c.timew1w3w4						
Below	.0028236	.0148187	0.19	0.849	-.0262206	.0318678
timew1w3w4	0	(omitted)				
invmillscES	-.0016252	.0046974	-0.35	0.729	-.0108319	.0075815
c.timew1w3w4#c.invmillscES	-.000282	.0005437	-0.52	0.604	-.0013476	.0007837
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.0328385	.1615295	0.20	0.839	-.2837535	.3494306
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0106315	.022476	-0.47	0.636	-.0546837	.0334206
_cons	.9317196	.0851706	10.94	0.000	.7647883	1.098651

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0203822	.	.	.
sd(_cons)	.8902753	.	.	.
corr(timew1w3w4,_cons)	-.9999965	.	.	.
sd(Residual)	1.015665	.	.	.

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66 . mi estimate: mixed CES_SC c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovStat
> c.timew1w3w4##c.Lnw1HCyscenter2p15 ///
> if sample4obs==1 & Sex==2 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	1,697
Group variable: HNDID	Number of groups	=	619
	Obs per group:		
	min	=	1
	avg	=	2.7
	max	=	3
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
DF adjustment: Large sample	DF: min	=	8.51e+57
	avg	=	1.37e+64
	max	=	.
Model F test: Equal FMI	F(11, 1.3e+67)	=	4.38
	Prob > F	=	0.0000

CES_SC	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0178521	.0359396	-0.50	0.619	-.0882924	.0525881
w1Agecent48	-.033506	.0181371	-1.85	0.065	-.0690541	.0020421
c.timew1w3w4#c.w1Agecent48	.0018283	.0024177	0.76	0.450	-.0029102	.0065669
timew1w3w4	0	(omitted)				
Sex						
Men	0	(omitted)				
Sex#c.timew1w3w4						
Men	0	(omitted)				
timew1w3w4	0	(omitted)				
Race						
AfrAm	.3358163	.3203151	1.05	0.294	-.2919897	.9636223
Race#c.timew1w3w4						
AfrAm	-.0630015	.0437644	-1.44	0.150	-.1487782	.0227751
timew1w3w4	0	(omitted)				
PovStat						
Below	1.473651	.333546	4.42	0.000	.8199132	2.12739
PovStat#c.timew1w3w4						
Below	-.0161182	.0445093	-0.36	0.717	-.1033547	.0711184
timew1w3w4	0	(omitted)				
inv mills CES	-.0053709	.0140098	-0.38	0.701	-.0328297	.0220879
c.timew1w3w4#c.inv mills CES	-.0017873	.0016493	-1.08	0.279	-.0050198	.0014453
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.5357047	.4848551	1.10	0.269	-.4145938	1.486003

C.timew1w3w4#c.Lnw1HCyscenter2p15	- .0382469	.0670683	-0.57	0.568	-.1696984	.0932045
_cons	5.413878	.2560378	21.14	0.000	4.912053	5.915703

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.2118169	.0412629	.1445915	.3102976
sd(_cons)	2.945202	.155701	2.655311	3.266741
corr(timew1w3w4,_cons)	-.3756972	.1042992	-.5601548	-.1557437
sd(Residual)	2.717672	.079375	2.566469	2.877783

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```
70 . 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 & Sex==2 || HNDID: timew1w3w4, cov(un)
```

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	1,697

Group variable: **HNDID** Number of groups = **619**
Obs per group:

```
min = 1
avg = 2.7
max = 3
```

Average RVI = .

Largest FMI = .

DF adjustment: Large sample DF: min = 0.00

$$\text{avg} = .$$
$$\max_{\theta} = \dots$$

Model F test: **Equal FMI** $F(11, 1.0e+67) = 3.51$

Prob > F = 0.0001

CES_WB	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0371244	.0248091	-1.50	0.135	-.0857493	.0115005
w1Agecent48	.0048688	.0106451	0.46	0.647	-.0159953	.0257328
c.timew1w3w4#c.w1Agecent48	-.0008594	.0016577	-0.52	0.604	-.0041086	.0023897
timew1w3w4	0	(omitted)				
Sex						
Men	0	(omitted)				
Sex#c.timew1w3w4						
Men	0	(omitted)				
timew1w3w4	0	(omitted)				
Race						
AfrAm	.6165128	.1880808	3.28	0.001	.2478812	.9851443
Race#c.timew1w3w4						
AfrAm	-.0179229	.0301188	-0.60	0.552	-.0769547	.0411089

CES	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.2667528	.2134659	-1.25	0.211	-.6851416	.151636
w1Agecent48	-.0235834	.0448035	-0.53	0.599	-.1113976	.0642308
c.timew1w3w4#c.w1Agecent48	.0002379	.005482	0.04	0.965	-.0105068	.0109827
timew1w3w4	0	(omitted)				
Sex						
Men	0	(omitted)				
Sex#c.timew1w3w4						
Men	0	(omitted)				
timew1w3w4	0	(omitted)				
Race						
AfrAm	-.9320746	.7885553	-1.18	0.237	-2.477622	.6134728
Race#c.timew1w3w4						
AfrAm	-.0918676	.0988674	-0.93	0.353	-.2856442	.1019089
timew1w3w4	0	(omitted)				
PovStat						
Below	3.052434	.8464133	3.61	0.000	1.393432	4.711436
PovStat#c.timew1w3w4						
Below	-.0028321	.1035816	-0.03	0.978	-.2058517	.2001876
timew1w3w4	0	(omitted)				
w1edubr						
2	-.6620675	1.651679	-0.40	0.689	-3.904098	2.579963
3	-3.448201	1.75115	-1.97	0.049	-6.888446	-.0079554
w1edubr#c.timew1w3w4						
2	.2270652	.2065411	1.10	0.272	-.1777533	.6318838
3	.2597147	.2158499	1.20	0.229	-.1633459	.6827754
timew1w3w4	0	(omitted)				
inv millsCES	-.0088942	.033658	-0.26	0.792	-.0748627	.0570743
c.timew1w3w4#c.inv millsCES	-.0033341	.003625	-0.92	0.358	-.0104389	.0037707
timew1w3w4	0	(omitted)				
1.w1smoke	-.0474119	.9009218	-0.05	0.958	-1.828566	1.733742
w1smoke#c.timew1w3w4						
1	.1812805	.1121716	1.62	0.106	-.0387227	.4012837
timew1w3w4	0	(omitted)				
1.w1curdrugs	1.657098	1.069073	1.55	0.129	-.5069998	3.821196
w1curdrugs#c.timew1w3w4						
1	-.1767814	.1305354	-1.35	0.179	-.4358498	.082287
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.0780948	.0340497	-2.29	0.023	-.1454449	-.0107447
c.timew1w3w4#c.w1hei2010_total_scorecent43	.0048703	.0049263	0.99	0.324	-.0048364	.014577

timew1w3w4 w1BMICent30	0 (omitted)					
	.0143891	.0670519	0.21	0.830	-.1170863	.1458646
c.timew1w3w4#c.w1BMICent30	.0007147	.0082697	0.09	0.931	-.0154966	.0169261
timew1w3w4 Lnw1HCyscenter2p15	0 (omitted)					
	1.401303	1.170163	1.20	0.231	-.8921907	3.694798
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.1820967	.1483455	-1.23	0.220	-.4728503	.1086569
_cons	13.50058	1.709903	7.90	0.000	10.14057	16.8606

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.4305351	.0981088	.2754471	.6729438
sd(_cons)	7.428981	.3537407	6.767011	8.155706
corr(timew1w3w4,_cons)	-.249566	.1240233	-.4732012	.0042872
sd(Residual)	6.036739	.1781901	5.697387	6.396305

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

> c.timew1w3w4##w1smoke c.timew1w3w4##w1currdrugs c.timew1w3w4##c.w1hei2010_total_scorecent43 ///

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

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

> if sample4obs==1 & Sex==2 || HNDID: timew1w3w4

Multiple-imputation estimates

Imputations = 5

Mixed-effects ML regression

Number of obs = 1,697

Group variable: HNDID

Number of groups = 619

Obs per group:

min = 1

avg = 2.7

max = 3

Average RVI = 0.0536

Largest FMI = 0.2031

DF adjustment: Large sample

DF: min = 111.97

avg = 1.77e+12

max = 4.78e+13

Model F test: Equal FMI

F(23,24227.2) = 3.18

Prob > F = 0.0000

CES_DA	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4 w1Agecent48	-.1529991	.088832	-1.72	0.085	-.3271095	.0211114
	.0094379	.0184572	0.51	0.609	-.0267378	.0456137
c.timew1w3w4#c.w1Agecent48	-.0024548	.0022621	-1.09	0.278	-.0068885	.0019789
timew1w3w4	0 (omitted)					
Sex						
Men	0 (omitted)					
Sex#c.timew1w3w4						

Men	0	(omitted)				
timew1w3w4	0	(omitted)				
Race						
AfrAm	-.5219161	.3243825	-1.61	0.108	-1.157694	.1138621
Race#c.timew1w3w4						
AfrAm	-.0351082	.0411281	-0.85	0.393	-.1157179	.0455015
timew1w3w4	0	(omitted)				
PovStat						
Below	1.51569	.348016	4.36	0.000	.833585	2.197796
PovStat#c.timew1w3w4						
Below	-.0234824	.0428993	-0.55	0.584	-.1075644	.0605997
timew1w3w4	0	(omitted)				
wledubr						
2	-.0937666	.6876379	-0.14	0.892	-1.444711	1.257177
3	-1.194519	.7233622	-1.65	0.099	-2.615734	.2266962
wledubr#c.timew1w3w4						
2	.1082194	.0855784	1.26	0.206	-.0595133	.275952
3	.1701088	.0895342	1.90	0.057	-.005377	.3455946
timew1w3w4	0	(omitted)				
invmlsCES	-.0118593	.0139458	-0.85	0.395	-.0391926	.0154739
c.timew1w3w4#c.invmlsCES	.0005453	.0014867	0.37	0.714	-.0023685	.0034591
timew1w3w4	0	(omitted)				
1.w1smoke	-.2492473	.3639746	-0.68	0.494	-.9655956	.467101
w1smoke#c.timew1w3w4						
1	.0668877	.0460403	1.45	0.146	-.023364	.1571394
timew1w3w4	0	(omitted)				
1.w1curdrugs	.5664135	.4059601	1.40	0.166	-.2379465	1.370773
w1curdrugs#c.timew1w3w4						
1	-.0459723	.0529732	-0.87	0.387	-.1506867	.0587421
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.0221885	.014061	-1.58	0.116	-.0499127	.0055356
c.timew1w3w4#c.w1hei2010_total_scorecent43	.0013702	.0019936	0.69	0.492	-.0025466	.005287
timew1w3w4	0	(omitted)				
w1BMICent30	.0024673	.0274604	0.09	0.928	-.0513632	.0562978
c.timew1w3w4#c.w1BMICent30	-.0005413	.00341	-0.16	0.874	-.0072251	.0061425
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.9427623	.4816183	1.96	0.050	-.0011931	1.886718
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.1318315	.0617824	-2.13	0.033	-.252923	-.0107401
_cons	3.830226	.7045986	5.44	0.000	2.445765	5.214687

PovStat#c.timew1w3w4						
Below	.0038941	.0156332	0.25	0.803	-.0267465	.0345347
timew1w3w4	0	(omitted)				
wledubr						
2	.0126358	.2230034	0.06	0.955	-.4245522	.4498238
3	-.2748477	.2340064	-1.17	0.240	-.7335693	.183874
wledubr#c.timew1w3w4						
2	-.000436	.0312629	-0.01	0.989	-.0617132	.0608411
3	.0080583	.0328025	0.25	0.806	-.0562397	.0723563
timew1w3w4	0	(omitted)				
inv mills CES	-.0011946	.0046635	-0.26	0.798	-.0103349	.0079457
c.timew1w3w4#c.inv mills CES	-.0002695	.0005466	-0.49	0.622	-.0013409	.0008018
timew1w3w4	0	(omitted)				
1.w1smoke	-.1205669	.1181998	-1.02	0.308	-.3522947	.1111609
w1smoke#c.timew1w3w4						
1	.0169478	.0170454	0.99	0.320	-.0164914	.050387
timew1w3w4	0	(omitted)				
1.w1currdugs	.1444497	.139335	1.04	0.302	-.1319387	.420838
w1currdugs#c.timew1w3w4						
1	-.0179175	.0178826	-1.00	0.316	-.0529775	.0171425
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.0079301	.0052261	-1.52	0.133	-.0183385	.0024783
c.timew1w3w4#c.w1hei2010_total_scorecent43	.0003038	.0007455	0.41	0.684	-.0011663	.001774
timew1w3w4	0	(omitted)				
w1BM Icent30	-.0013039	.0091057	-0.14	0.886	-.0191518	.0165439
c.timew1w3w4#c.w1BM Icent30	.0000145	.001244	0.01	0.991	-.0024238	.0024529
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.010446	.1601278	0.07	0.948	-.3033988	.3242908
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0095252	.0225201	-0.42	0.672	-.0536638	.0346135
_cons	1.065175	.2263339	4.71	0.000	.6215481	1.508801

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3w4)	.019669	.	.
sd(_cons)	.8703012	.	.
corr(timew1w3w4,_cons)	-1	.	.
sd(Residual)	1.015176	.	.

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```
88 . mi estimate: mixed CES_SC 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 & Sex==2 || HNDID: timew1w3w4, cov(un)
```

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	1,697
Group variable: HNDID	Number of groups	=	619
	Obs per group:		
	min	=	1
	avg	=	2.7
	max	=	3
	Average RVI	=	0.0533
	Largest FMI	=	0.2699
DF adjustment: Large sample	DF: min	=	65.11
	avg	=	2321856.14
	max	=	5.54e+07
Model F test: Equal FMI	F(23,23809.4)	=	3.99
	Prob > F	=	0.0000

CES_SC	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0785722	.096386	-0.82	0.415	-.2674873	.110343
w1Agecent48	-.0262034	.018165	-1.44	0.149	-.0618063	.0093994
c.timew1w3w4#c.w1Agecent48	.0018478	.0024882	0.74	0.458	-.0030291	.0067247
timew1w3w4	0	(omitted)				
Sex						
Men	0	(omitted)				
Sex#c.timew1w3w4						
Men	0	(omitted)				
timew1w3w4	0	(omitted)				
Race						
AfrAm	.2952504	.3202453	0.92	0.357	-.3324214	.9229221
Race#c.timew1w3w4						
AfrAm	-.0731292	.0448696	-1.63	0.103	-.1610721	.0148136
timew1w3w4	0	(omitted)				
PovStat						
Below	1.005033	.345256	2.91	0.004	.3282869	1.681779
PovStat#c.timew1w3w4						
Below	-.0170113	.047163	-0.36	0.718	-.1094521	.0754296
timew1w3w4	0	(omitted)				
w1edubr						
2	-.0806544	.6514645	-0.12	0.901	-1.357517	1.196209
3	-1.119525	.6945797	-1.61	0.107	-2.481333	.242283

wledubr#c.timew1w3w4							
2	.0418646	.0941529	0.44	0.657	-.142709	.2264381	
3	.0503669	.0979304	0.51	0.607	-.1415813	.242315	
timew1w3w4	0	(omitted)					
inv millsCES	-.0030248	.0137397	-0.22	0.826	-.0299542	.0239045	
c.timew1w3w4#c.inv millsCES	-.001703	.00166	-1.03	0.305	-.0049565	.0015504	
timew1w3w4	0	(omitted)					
1.w1smoke	.2782605	.3679804	0.76	0.450	-.446991	1.003512	
w1smoke#c.timew1w3w4							
1	.0711507	.0508233	1.40	0.162	-.0285247	.1708261	
timew1w3w4	0	(omitted)					
1.w1currrdrugs	.4507902	.3998608	1.13	0.261	-.3390949	1.240675	
w1currrdrugs#c.timew1w3w4							
1	-.0326076	.0588483	-0.55	0.581	-.1493125	.0840972	
timew1w3w4	0	(omitted)					
w1hei2010_total_scorecent43	-.035624	.0153593	-2.32	0.024	-.0662977	-.0049503	
c.timew1w3w4#c.w1hei2010_total_scorecent43	.001295	.0022351	0.58	0.563	-.0031121	.0057021	
timew1w3w4	0	(omitted)					
w1BM Icent30	.0217128	.0272348	0.80	0.425	-.0316834	.0751091	
c.timew1w3w4#c.w1BM Icent30	-.0001047	.0037393	-0.03	0.978	-.0074341	.0072248	
timew1w3w4	0	(omitted)					
Lnw1HCyscenter2p15	.4718849	.475311	0.99	0.321	-.4597119	1.403482	
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.036085	.067354	-0.54	0.592	-.1680972	.0959272	
_cons	5.798597	.6760473	8.58	0.000	4.473101	7.124093	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.2124329	.0414036	.1449831	.3112621
sd(_cons)	2.824604	.1574828	2.532194	3.150782
corr(timew1w3w4,_cons)	-.4048303	.1040893	-.5872263	-.1833077
sd(Residual)	2.719066	.0797878	2.567091	2.880037

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92 . mi estimate: mixed CES_WB 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 & Sex==2 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	1,697

Group variable: HNDID	Number of groups	=	619
	Obs per group:		

min	=	1
-----	---	---

avg	=	2.7
-----	---	-----

max	=	3
-----	---	---

Average RVI	=	.
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Largest FMI	=	.
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DF adjustment: Large sample	DF: min	=	0.00
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avg	=	.
-----	---	---

max	=	.
-----	---	---

Model F test: Equal FMI	F(23, 9410.3)	=	2.68
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Prob > F	=	0.0000
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CES_WB	Coefficient	Std. err.	t	P> t	[95% conf. interval]	
timew1w3w4	.0046014	.0672775	0.07	0.945	-.1272956	.1364984
w1Agecent48	-.0001669	.0107766	-0.02	0.988	-.0212888	.020955
c.timew1w3w4#c.w1Agecent48	-.000627	.0016988	-0.37	0.712	-.0039567	.0027027
timew1w3w4	0	(omitted)				
Sex						
Men	0	(omitted)				
Sex#c.timew1w3w4						
Men	0	(omitted)				
timew1w3w4	0	(omitted)				
Race						
AfrAm	.6361406	.1900723	3.35	0.001	.2635996	1.008682
Race#c.timew1w3w4						
AfrAm	-.0132215	.0308476	-0.43	0.668	-.0736817	.0472387
timew1w3w4	0	(omitted)				
PovStat						
Below	-.2598693	.2033887	-1.28	0.201	-.6585046	.1387661
PovStat#c.timew1w3w4						
Below	-.0267266	.0321433	-0.83	0.406	-.0897263	.036273
timew1w3w4	0	(omitted)				
w1edubr						
2	.2852053	.3905595	0.73	0.465	-.4803529	1.050764
3	.6251492	.4101294	1.52	0.127	-.1787386	1.429037
w1edubr#c.timew1w3w4						

	2	-.0623097	.0642738	-0.97	0.332	-.1882874	.0636681
	3	-.0194134	.0677191	-0.29	0.774	-.1521606	.1133338
	timew1w3w4	0	(omitted)				
	inv millsCES	-.0069523	.0082216	-0.85	0.398	-.0230663	.0091618
	c.timew1w3w4#c.inv millsCES	.0019355	.0011195	1.73	0.084	-.0002587	.0041298
	timew1w3w4	0	(omitted)				
	1.w1smoke	.05625	.2470549	0.23	0.821	-.4422729	.554773
	w1smoke#c.timew1w3w4						
	1	-.0388954	.0360077	-1.08	0.281	-.1097208	.03193
	timew1w3w4	0	(omitted)				
	1.w1currrdrugs	-.4384195	.2549532	-1.72	0.091	-.9481023	.0712632
	w1currrdrugs#c.timew1w3w4						
	1	.055846	.0386162	1.45	0.149	-.0202118	.1319038
	timew1w3w4	0	(omitted)				
	w1hei2010_total_scorecent43	.0215908	.0104932	2.06	0.050	9.67e-06	.0431719
	c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0020207	.0015301	-1.32	0.188	-.0050392	.0009978
	timew1w3w4	0	(omitted)				
	w1BM Icent30	.006852	.0161526	0.42	0.671	-.0248163	.0385203
	c.timew1w3w4#c.w1BM Icent30	-.0013377	.0025748	-0.52	0.603	-.0063851	.0037098
	timew1w3w4	0	(omitted)				
	Lnw1HCyscenter2p15	-.0006421	.2829214	-0.00	0.998	-.5551792	.553895
	c.timew1w3w4#c.Lnw1HCyscenter2p15	.0158502	.0463571	0.34	0.732	-.0750086	.106709
	_cons	9.33798	.4057932	23.01	0.000	8.542113	10.13385

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0832492	.	.	.
sd(_cons)	1.281271	.	.	.
corr(timew1w3w4,_cons)	1	.	.	.
sd(Residual)	1.992949	.	.	.

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```

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97 . *****INTERACTION BY SEX*****
98 .
99 . //MODEL 1: INCLUDE ONLY AGE, SEX, RACE AND POVERTY STATUS///
100 . mi estimate: mixed CES c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovStat
> c.timew1w3w4#c.Lnw1HCyscenter2p15##Sex ///
> 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    =    9.90e+55
                                    avg            =    3.47e+62
                                    max            =      .
Model F test:      Equal FMI    F( 15, 6.7e+64) =    9.03
                                Prob > F          =    0.0000

```

CES	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.1963464	.0639744	-3.07	0.002	-.3217338	-.070959
w1Agecent48	-.1158957	.0311744	-3.72	0.000	-.1769964	-.054795
c.timew1w3w4#c.w1Agecent48	.001557	.0036971	0.42	0.674	-.0056893	.0088033
timew1w3w4	0	(omitted)				
Sex						
Men	-2.673949	.5875868	-4.55	0.000	-3.825598	-1.5223
Sex#c.timew1w3w4						
Men	.0771828	.0689048	1.12	0.263	-.0578681	.2122338
timew1w3w4	0	(omitted)				
Race						
AfrAm	-1.524138	.5657917	-2.69	0.007	-2.633069	-.4152061
Race#c.timew1w3w4						
AfrAm	.099057	.0672492	1.47	0.141	-.032749	.230863
timew1w3w4	0	(omitted)				
PovStat						
Below	4.21572	.5832195	7.23	0.000	3.072631	5.358809
PovStat#c.timew1w3w4						
Below	-.0117316	.067697	-0.17	0.862	-.1444153	.120952
timew1w3w4	0	(omitted)				
invmlsCES	-.0065107	.025193	-0.26	0.796	-.0558882	.0428667
c.timew1w3w4#c.invmlsCES	-.0018609	.0027724	-0.67	0.502	-.0072947	.0035729
timew1w3w4	0	(omitted)				

Lnw1HCyscenter2p15	2.608678	1.224254	2.13	0.033	.2091839	5.008173
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0059576	.1445166	-0.04	0.967	-.2892049	.2772897
Sex#c.Lnw1HCyscenter2p15 Men	-.5498634	1.772546	-0.31	0.756	-4.023989	2.924262
Sex#c.timew1w3w4#c.Lnw1HCyscenter2p15 Men	-.2403685	.211938	-1.13	0.257	-.6557594	.1750224
_cons	14.88736	.5245313	28.38	0.000	13.8593	15.91542

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.1755399	.204335	.0179285	1.718725
sd(_cons)	8.288691	.2677746	7.780133	8.830492
corr(timew1w3w4,_cons)	-.3393218	.2630147	-.733334	.2253174
sd(Residual)	7.117101	.1365246	6.854485	7.389778

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

```
> c.timew1w3w4##c.Lnw1HCyscenter2p15##Sex ///
> 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( 15, 2.8e+67) =    10.07
                                    Prob > F      =    0.0000
```

CES_DA	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0978661	.0279844	-3.50	0.000	-.1527145	-.0430177
w1Agecent48	-.0352696	.0136235	-2.59	0.010	-.0619711	-.0085681
c.timew1w3w4#c.w1Agecent48	-.001506	.0016174	-0.93	0.352	-.0046759	.001664
timew1w3w4	0 (omitted)					
Sex						
Men	-1.47724	.2566782	-5.76	0.000	-1.98032	-.9741605
Sex#c.timew1w3w4						
Men	.062269	.0301613	2.06	0.039	.003154	.1213841
timew1w3w4	0 (omitted)					

Race						
AfrAm	-.5700422	.247223	-2.31	0.021	-1.05459	-.0854941
Race#c.timew1w3w4						
AfrAm	.0096802	.0294494	0.33	0.742	-.0480396	.0673999
timew1w3w4	0	(omitted)				
PovStat						
Below	1.683988	.2549038	6.61	0.000	1.184385	2.18359
PovStat#c.timew1w3w4						
Below	-.0217377	.0296726	-0.73	0.464	-.0798949	.0364196
timew1w3w4	0	(omitted)				
inv millsCES	-.0098934	.0110243	-0.90	0.369	-.0315006	.0117139
c.timew1w3w4#c.inv millsCES	.0007425	.0012207	0.61	0.543	-.00165	.003135
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.7364974	.5351518	1.38	0.169	-.3123808	1.785376
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0035636	.063344	0.06	0.955	-.1205884	.1277157
Sex#c.Lnw1HCyscenter2p15						
Men	.4736097	.774537	0.61	0.541	-1.044455	1.991674
Sex#c.timew1w3w4#c.Lnw1HCyscenter2p15						
Men	-.1546586	.092817	-1.67	0.096	-.3365767	.0272594
_cons	4.800579	.2292092	20.94	0.000	4.351337	5.249821

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3w4)	.0587645	.	.
sd(_cons)	3.594223	.	.
corr(timew1w3w4,_cons)	-1	.	.
sd(Residual)	3.160202	.	.

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107 . mi estimate: mixed CES_IP c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovSt
> c.timew1w3w4##c.Lnw1HCyscenter2p15##Sex ///
> 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(15, 1.6e+66) = **4.47**Prob > F = **0.0000**

CES_IP	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0065329	.0088115	-0.74	0.458	-.0238031	.0107373
w1Agecent48	-.0116936	.0036528	-3.20	0.001	-.0188529	-.0045342
c.timew1w3w4#c.w1Agecent48	-.0000698	.0005093	-0.14	0.891	-.0010679	.0009284
timew1w3w4	0 (omitted)					
Sex						
Men	.0907126	.0688147	1.32	0.187	-.0441617	.225587
Sex#c.timew1w3w4						
Men	-.0131835	.0094985	-1.39	0.165	-.0318003	.0054332
timew1w3w4	0 (omitted)					
Race						
AfrAm	.0219731	.0662965	0.33	0.740	-.1079656	.1519119
Race#c.timew1w3w4						
AfrAm	.0026608	.0092758	0.29	0.774	-.0155194	.0208411
timew1w3w4	0 (omitted)					
PovStat						
Below	.3266809	.0684217	4.77	0.000	.1925769	.4607849
PovStat#c.timew1w3w4						
Below	-.0022214	.009346	-0.24	0.812	-.0205393	.0160965
timew1w3w4	0 (omitted)					
invmlsCES	.0019686	.0029688	0.66	0.507	-.0038502	.0077873
c.timew1w3w4#c.invmlsCES	-.0003586	.0003849	-0.93	0.352	-.001113	.0003959
timew1w3w4	0 (omitted)					
Lnw1HCyscenter2p15	.1359161	.1434576	0.95	0.343	-.1452556	.4170879
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0014671	.0199479	0.07	0.941	-.0376301	.0405643
Sex#c.Lnw1HCyscenter2p15						
Men	-.1070727	.2077355	-0.52	0.606	-.5142268	.3000814
Sex#c.timew1w3w4#c.Lnw1HCyscenter2p15						
Men	-.0099191	.0292378	-0.34	0.734	-.0672241	.0473859
_cons	.7782146	.0613824	12.68	0.000	.6579073	.8985219

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3w4)	.0078455	.	.
sd(_cons)	.8306604	.	.
corr(timew1w3w4,_cons)	-.9999813	.	.
sd(Residual)	1.002357	.	.

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```
111 . mi estimate: mixed CES_SC c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovSt
> c.timew1w3w4##c.Lnw1HCyscenter2p15##Sex ///
> 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	<u>DF</u> : min	=	5.22e+57
	avg	=	1.68e+61
	max	=	.
Model F test: Equal FMI	F(15, 3.9e+64)	=	10.10
	Prob > F	=	0.0000

CES_SC	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0939328	.0280266	-3.35	0.001	-.148864	-.0390016
w1Agecent48	-.0436422	.0122941	-3.55	0.000	-.0677382	-.0195463
c.timew1w3w4#c.w1Agecent48	.0008213	.0016203	0.51	0.612	-.0023544	.003997
timew1w3w4	0 (omitted)					
Sex						
Men	-.9751235	.2316224	-4.21	0.000	-1.429095	-.5211519
Sex#c.timew1w3w4						
Men	.0311134	.030226	1.03	0.303	-.0281284	.0903553
timew1w3w4	0 (omitted)					
Race						
AfrAm	-.2547713	.223115	-1.14	0.254	-.6920687	.1825262
Race#c.timew1w3w4						
AfrAm	.0108798	.0294804	0.37	0.712	-.0469007	.0686603
timew1w3w4	0 (omitted)					
PovStat						
Below	1.664624	.2301267	7.23	0.000	1.213584	2.115664

PovStat#c.timew1w3w4 Below	-.0220026	.0297305	-0.74	0.459	-.0802732	.0362681
timew1w3w4 invmillsCES	0 (omitted)					
c.timew1w3w4#c.invmillsCES	-.0046798	.0099619	-0.47	0.639	-.0242047	.0148452
timew1w3w4 Lnw1HCyscenter2p15	-.0008277	.0012216	-0.68	0.498	-.0032219	.0015666
Lnw1HCyscenter2p15	0 (omitted)					
c.timew1w3w4#c.Lnw1HCyscenter2p15	.8758518	.482876	1.81	0.070	-.0705677	1.822271
Sex#c.Lnw1HCyscenter2p15 Men	.0263358	.0634963	0.41	0.678	-.0981146	.1507862
Sex#c.Lnw1HCyscenter2p15 Men	-.1868063	.6990451	-0.27	0.789	-1.556909	1.183297
Sex#c.timew1w3w4#c.Lnw1HCyscenter2p15 Men	-.0800488	.0929552	-0.86	0.389	-.2622378	.1021401
_cons	6.65476	.2067701	32.18	0.000	6.249498	7.060022

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.1349602	.0493621	.0658986	.2763982
sd(_cons)	3.078341	.1145015	2.861907	3.311143
corr(timew1w3w4,_cons)	-.366441	.1087425	-.5583932	-.1372449
sd(Residual)	3.058354	.0575349	2.947642	3.173225

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115 . mi estimate: mixed CES_WB c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovSt
> c.timew1w3w4##c.Lnw1HCyscenter2p15##Sex ///
> 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	=	1.84e+60
	avg	=	1.84e+60
	max	=	.
Model F test: Equal FMI	F(15, .)	=	8.62
	Prob > F	=	0.0000

CES_WB	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	.0034906	.0190808	0.18	0.855	-.0339071	.0408882
w1Agecent48	.0246921	.0072354	3.41	0.001	.0105109	.0388733
c.timew1w3w4#c.w1Agecent48	-.002183	.0011016	-1.98	0.048	-.0043421	-.000024
timew1w3w4	0	(omitted)				
Sex						
Men	.3260689	.1363047	2.39	0.017	.0589167	.5932212
Sex#c.timew1w3w4						
Men	.000722	.0205361	0.04	0.972	-.039528	.0409721
timew1w3w4	0	(omitted)				
Race						
AfrAm	.7409029	.1313282	5.64	0.000	.4835043	.9983014
Race#c.timew1w3w4						
AfrAm	-.0790753	.020027	-3.95	0.000	-.1183276	-.039823
timew1w3w4	0	(omitted)				
PovStat						
Below	-.5334158	.135559	-3.93	0.000	-.7991065	-.2677252
PovStat#c.timew1w3w4						
Below	-.0368573	.0201802	-1.83	0.068	-.0764097	.0026952
timew1w3w4	0	(omitted)				
invmlsCES	-.0062486	.0058871	-1.06	0.289	-.0177871	.00529
c.timew1w3w4#c.invmlsCES	.0014303	.0008258	1.73	0.083	-.0001882	.0030489
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	-.7711237	.2841374	-2.71	0.007	-1.328023	-.2142246
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0378925	.0431854	0.88	0.380	-.0467493	.1225342
Sex#c.Lnw1HCyscenter2p15						
Men	.6186507	.4115857	1.50	0.133	-.1880423	1.425344
Sex#c.timew1w3w4#c.Lnw1HCyscenter2p15						
Men	-.0048189	.0632108	-0.08	0.939	-.1287098	.119072
_cons	9.330122	.1215945	76.73	0.000	9.091801	9.568443

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0746651	.0428516	.0242436	.2299519
sd(_cons)	1.530776	.0856642	1.371758	1.708229
corr(timew1w3w4,_cons)	.7574479	.7032866	-.9777395	.9995713
sd(Residual)	2.085886	.0402401	2.008489	2.166265

```

116 .
117 .
118 . save "finaldata_imputed_FINAL.dta", replace
    file finaldata_imputed_FINAL.dta saved

119 .
120 .
121 . //MODLE 2: FULL MODEL///
122 .
123 . mi estimate: mixed CES 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##Sex ///
> 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        =    0.0706
                                   Largest FMI        =    0.3179
                                   DF: min            =    47.62
                                   avg                = 221,113.91
                                   max                = 3534697.59
DF adjustment: Large sample
                                   F( 27,17551.3)     =    8.49
                                   Prob > F          =    0.0000
Model F test: Equal FMI

```

CES	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.2750745	.1555388	-1.77	0.077	-.5799319	.029783
w1Agecent48	-.0844933	.0311006	-2.72	0.007	-.1454505	-.0235362
c.timew1w3w4#c.w1Agecent48	.0007723	.0037986	0.20	0.839	-.0066729	.0082174
timew1w3w4	0 (omitted)					
Sex						
Men	-3.073121	.5866707	-5.24	0.000	-4.222999	-1.923243
Sex#c.timew1w3w4						
Men	.0966594	.0706909	1.37	0.172	-.0418965	.2352153
timew1w3w4	0 (omitted)					
Race						
AfrAm	-1.6942	.558578	-3.03	0.002	-2.789029	-.5993706
Race#c.timew1w3w4						
AfrAm	.0881542	.0684716	1.29	0.198	-.0460491	.2223575
timew1w3w4	0 (omitted)					
PovStat						
Below	2.945766	.5949845	4.95	0.000	1.779517	4.112014
PovStat#c.timew1w3w4						
Below	.0052204	.0713579	0.07	0.942	-.1346412	.1450821

timew1w3w4	0	(omitted)				
wledubr						
2	-1.327945	1.168688	-1.14	0.256	-3.619667	.9637765
3	-3.567099	1.225976	-2.91	0.004	-5.971245	-1.162952
wledubr#c.timew1w3w4						
2	.1538792	.1464984	1.05	0.294	-.1332597	.441018
3	.0988441	.1527454	0.65	0.518	-.200532	.3982203
timew1w3w4	0	(omitted)				
inv millsCES	-.0059007	.0245826	-0.24	0.810	-.0540818	.0422803
c.timew1w3w4#c.inv millsCES	-.0014618	.0027851	-0.52	0.600	-.0069205	.003997
timew1w3w4	0	(omitted)				
1.w1smoke	1.847663	.6230907	2.97	0.003	.621734	3.073592
w1smoke#c.timew1w3w4						
1	-.0365321	.0792977	-0.46	0.645	-.1921187	.1190544
timew1w3w4	0	(omitted)				
1.w1currrdrugs	2.744808	.8189437	3.35	0.001	1.105802	4.383814
w1currrdrugs#c.timew1w3w4						
1	-.1636113	.1073521	-1.52	0.134	-.3790926	.05187
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.0575739	.0262606	-2.19	0.033	-.1103853	-.0047625
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0004425	.0032931	-0.13	0.893	-.0069206	.0060355
timew1w3w4	0	(omitted)				
w1BM Icent30	.0643423	.0384701	1.67	0.094	-.0110673	.139752
c.timew1w3w4#c.w1BM Icent30	.0014183	.0046779	0.30	0.762	-.0077504	.010587
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	1.720476	1.202245	1.43	0.152	-.6359141	4.076866
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0031468	.1461098	0.02	0.983	-.283225	.2895186
Sex#c.Lnw1HCyscenter2p15						
Men	.2478735	1.734267	0.14	0.886	-3.151268	3.647015
Sex#c.timew1w3w4#c.Lnw1HCyscenter2p15						
Men	-.2565252	.2128382	-1.21	0.228	-.6736814	.160631
_cons	16.35432	1.226306	13.34	0.000	13.95018	18.75847

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.1806597	.202034	.0201812	1.617247
sd(_cons)	7.916365	.2684505	7.407313	8.4604
corr(timew1w3w4,_cons)	-.3341285	.2538263	-.7199313	.2094207
sd(Residual)	7.119693	.1378717	6.854497	7.39515

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126 . 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##Sex ///

> 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(27,23073.9)	=	7.86
	Prob > F	=	0.0000

CES_DA	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.1383405	.0678851	-2.04	0.042	-.2713945	-.0052865
w1Agecent48	-.0229846	.0136965	-1.68	0.093	-.0498298	.0038605
c.timew1w3w4#c.w1Agecent48	-.0018972	.0016595	-1.14	0.253	-.0051497	.0013554
timew1w3w4	0	(omitted)				
Sex						
Men	-1.628284	.2578779	-6.31	0.000	-2.133719	-1.12285
Sex#c.timew1w3w4						
Men	.0724011	.0308768	2.34	0.019	.0118828	.1329193
timew1w3w4	0	(omitted)				
Race						
AfrAm	-.6519041	.2453149	-2.66	0.008	-1.132716	-.1710925
Race#c.timew1w3w4						
AfrAm	.0061814	.0299446	0.21	0.836	-.0525092	.064872
timew1w3w4	0	(omitted)				
PovStat						
Below	1.226863	.2618825	4.68	0.000	.7135493	1.740177
PovStat#c.timew1w3w4						
Below	-.0069579	.0312302	-0.22	0.824	-.0681685	.0542528
timew1w3w4	0	(omitted)				
w1edubr						
2	-.3761251	.5191307	-0.72	0.469	-1.394615	.6423652
3	-1.200355	.5393001	-2.23	0.026	-2.25786	-.1428493
w1edubr#c.timew1w3w4						

	2	.0576408	.0640442	0.90	0.368	-.0678881	.1831697
	3	.0621235	.0668946	0.93	0.353	-.0689896	.1932366
	timew1w3w4	0	(omitted)				
	inv millsCES	-.0098491	.0108373	-0.91	0.363	-.0310898	.0113916
	c.timew1w3w4#c.inv millsCES	.0008787	.0012242	0.72	0.473	-.0015207	.003278
	timew1w3w4	0	(omitted)				
	1.w1smoke	.6658416	.2677751	2.49	0.013	.1404491	1.191234
	w1smoke#c.timew1w3w4						
	1	-.0255034	.0340368	-0.75	0.454	-.0922234	.0412166
	timew1w3w4	0	(omitted)				
	1.w1currrdrugs	1.190936	.3407644	3.49	0.001	.5174416	1.864431
	w1currrdrugs#c.timew1w3w4						
	1	-.05049	.0451695	-1.12	0.267	-.1403492	.0393691
	timew1w3w4	0	(omitted)				
	w1hei2010_total_scorecent43	-.0171438	.0125811	-1.36	0.185	-.0429998	.0087122
	c.timew1w3w4#c.w1hei2010_total_scorecent43	-.000084	.0014635	-0.06	0.954	-.0029701	.0028021
	timew1w3w4	0	(omitted)				
	w1BMICent30	.0252814	.0168358	1.50	0.133	-.0077166	.0582794
	c.timew1w3w4#c.w1BMICent30	.0013474	.0020499	0.66	0.511	-.0026704	.0053651
	timew1w3w4	0	(omitted)				
	Lnw1HCyscenter2p15	.4150721	.529522	0.78	0.433	-.6227843	1.452928
	c.timew1w3w4#c.Lnw1HCyscenter2p15	.0083817	.0639214	0.13	0.896	-.1169022	.1336655
	Sex#c.Lnw1HCyscenter2p15						
	Men	.7729636	.7634052	1.01	0.311	-.7232966	2.269224
	Sex#c.timew1w3w4#c.Lnw1HCyscenter2p15						
	Men	-.1616234	.0931846	-1.73	0.083	-.3442627	.0210158
	_cons	5.217595	.5398391	9.67	0.000	4.159271	6.275918

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3w4)	.0563598	.	.
sd(_cons)	3.475547	.	.
corr(timew1w3w4,_cons)	-1	.	.
sd(Residual)	3.161499	.	.

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130 . mi estimate: mixed CES_IP 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##Sex ///
> 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(27,61763.1)	=	3.52
	Prob > F	=	0.0000

CES_IP	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0122535	.0213615	-0.57	0.566	-.0541216	.0296146
w1Agecent48	-.0095004	.0037165	-2.56	0.011	-.0167847	-.002216
c.timew1w3w4#c.w1Agecent48	-.0001846	.0005228	-0.35	0.724	-.0012093	.0008401
timew1w3w4	0	(omitted)				
Sex						
Men	.0648431	.0700309	0.93	0.354	-.0724166	.2021028
Sex#c.timew1w3w4						
Men	-.0114478	.0097137	-1.18	0.239	-.0304866	.0075909
timew1w3w4	0	(omitted)				
Race						
AfrAm	.0111414	.0666258	0.17	0.867	-.119444	.1417269
Race#c.timew1w3w4						
AfrAm	.0024803	.0094209	0.26	0.792	-.0159843	.0209449
timew1w3w4	0	(omitted)				
PovStat						
Below	.2495869	.0708215	3.52	0.000	.1107783	.3883955
PovStat#c.timew1w3w4						
Below	-.0003759	.009835	-0.04	0.970	-.0196525	.0189006
timew1w3w4	0	(omitted)				
w1edubr						
2	-.0608255	.139327	-0.44	0.662	-.3339438	.2122929
3	-.2457516	.1448658	-1.70	0.090	-.5296852	.038182

wledubr#c.timew1w3w4							
2	.0075866	.0200968	0.38	0.706	-.0318026	.0469758	
3	.0080858	.021136	0.38	0.702	-.0333425	.049514	
timew1w3w4	0	(omitted)					
inv millsCES	.0021697	.0029521	0.73	0.462	-.0036163	.0079557	
c.timew1w3w4#c.inv millsCES	-.0003423	.0003857	-0.89	0.375	-.0010983	.0004137	
timew1w3w4	0	(omitted)					
1.w1smoke	.0318695	.0753153	0.42	0.672	-.1159952	.1797343	
w1smoke#c.timew1w3w4							
1	.0028957	.0106292	0.27	0.785	-.0179375	.0237289	
timew1w3w4	0	(omitted)					
1.w1currrdrugs	.2182789	.0981986	2.22	0.029	.0230448	.413513	
w1currrdrugs#c.timew1w3w4							
1	-.0199268	.0132065	-1.51	0.132	-.0458888	.0060352	
timew1w3w4	0	(omitted)					
w1hei2010_total_scorecent43	-.0047992	.0033273	-1.44	0.155	-.0114835	.0018851	
c.timew1w3w4#c.w1hei2010_total_scorecent43	.000153	.0004741	0.32	0.748	-.0007868	.0010928	
timew1w3w4	0	(omitted)					
w1BM Icent30	.0040843	.0046035	0.89	0.375	-.0049393	.0131079	
c.timew1w3w4#c.w1BM Icent30	-.000018	.000644	-0.03	0.978	-.0012801	.0012442	
timew1w3w4	0	(omitted)					
Lnw1HCyscenter2p15	.0818774	.143501	0.57	0.568	-.1993806	.3631354	
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0033258	.0201253	0.17	0.869	-.0361193	.0427708	
Sex#c.Lnw1HCyscenter2p15							
Men	-.0628862	.206941	-0.30	0.761	-.4684842	.3427118	
Sex#c.timew1w3w4#c.Lnw1HCyscenter2p15							
Men	-.0115815	.0293215	-0.39	0.693	-.0690506	.0458876	
_cons	.8934301	.1468033	6.09	0.000	.6056696	1.181191	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3w4)	.0072686	.	.
sd(_cons)	.8159693	.	.
corr(timew1w3w4,_cons)	-.9999902	.	.
sd(Residual)	1.00195	.	.

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134 . mi estimate: mixed CES_SC 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##Sex ///
> 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      =    0.0543
Largest FMI      =    0.3243
DF:      min     =    45.83
    avg      = 270,488.16
    max      = 6014943.48
Model F test:      Equal FMI      F( 27,28973.8) =    10.37
Prob > F          =    0.0000

```

CES_SC	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.1302863	.0682991	-1.91	0.056	-.2641593	.0035867
w1Agecent48	-.0314607	.0122398	-2.57	0.010	-.0554505	-.0074709
c.timew1w3w4#c.w1Agecent48	.0009359	.0016656	0.56	0.574	-.0023286	.0042003
timew1w3w4	0	(omitted)				
Sex						
Men	-1.131103	.2308201	-4.90	0.000	-1.583509	-.6786981
Sex#c.timew1w3w4						
Men	.0327236	.0310891	1.05	0.293	-.0282124	.0936596
timew1w3w4	0	(omitted)				
Race						
AfrAm	-.3119225	.220028	-1.42	0.156	-.7431835	.1193386
Race#c.timew1w3w4						
AfrAm	.0030085	.0300707	0.10	0.920	-.0559299	.0619469
timew1w3w4	0	(omitted)				
PovStat						
Below	1.122076	.2344091	4.79	0.000	.6626111	1.58154
PovStat#c.timew1w3w4						
Below	-.0191063	.0313747	-0.61	0.543	-.0806007	.0423881
timew1w3w4	0	(omitted)				
w1edubr						
2	-.4633393	.4562737	-1.02	0.310	-1.357683	.4310044
3	-1.435239	.4848346	-2.96	0.003	-2.385963	-.484515

wledubr#c.timew1w3w4							
2	.0565399	.0644194	0.88	0.380	-.0697327	.1828126	
3	.0527246	.0670367	0.79	0.432	-.0786668	.1841161	
timew1w3w4	0	(omitted)					
inv millsCES	-.0044422	.0097063	-0.46	0.647	-.0234661	.0145818	
c.timew1w3w4#c.inv millsCES	-.0006637	.0012298	-0.54	0.589	-.0030741	.0017467	
timew1w3w4	0	(omitted)					
1.w1smoke	.8926175	.2565147	3.48	0.001	.3864732	1.398762	
w1smoke#c.timew1w3w4							
1	-.0086946	.034812	-0.25	0.803	-.0770058	.0596166	
timew1w3w4	0	(omitted)					
1.w1currdrugs	.8695252	.3057647	2.84	0.005	.2667754	1.472275	
w1currdrugs#c.timew1w3w4							
1	-.0269669	.0475856	-0.57	0.574	-.1227613	.0688275	
timew1w3w4	0	(omitted)					
w1hei2010_total_scorecent43	-.0251861	.0099783	-2.52	0.013	-.0449061	-.0054662	
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0011606	.0014411	-0.81	0.421	-.0039957	.0016745	
timew1w3w4	0	(omitted)					
w1BM Icent30	.026159	.0151858	1.72	0.085	-.0036087	.0559266	
c.timew1w3w4#c.w1BM Icent30	.0004366	.0020607	0.21	0.832	-.0036023	.0044756	
timew1w3w4	0	(omitted)					
Lnw1HCyscenter2p15	.5081636	.4735641	1.07	0.283	-.4200172	1.436344	
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0225296	.0643069	0.35	0.726	-.1035112	.1485703	
Sex#c.Lnw1HCyscenter2p15							
Men	.1389438	.6821466	0.20	0.839	-1.198045	1.475933	
Sex#c.timew1w3w4#c.Lnw1HCyscenter2p15							
Men	-.079606	.0934552	-0.85	0.394	-.2627753	.1035634	
_cons	7.183324	.4857414	14.79	0.000	6.230998	8.13565	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.1405286	.0479753	.0719704	.2743944
sd(_cons)	2.913942	.1156808	2.695807	3.149728
corr(timew1w3w4,_cons)	-.4063216	.104795	-.5897019	-.1830978
sd(Residual)	3.058977	.0578884	2.947586	3.174578

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138 . mi estimate: mixed CES_WB 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##Sex ///
> 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	=	0.0674
	Largest FMI	=	0.2942
DF adjustment: Large sample	DF: min	=	55.23
	avg	=	424,115.76
	max	=	5679600.12
Model F test: Equal FMI	F(27,18781.8)	=	6.76
	Prob > F	=	0.0000

CES_WB	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0124967	.0462415	-0.27	0.787	-.1031333	.07814
w1Agecent48	.0190086	.0073239	2.60	0.009	.004654	.0333633
c.timew1w3w4#c.w1Agecent48	-.0018623	.0011328	-1.64	0.100	-.0040827	.0003581
timew1w3w4	0	(omitted)				
Sex						
Men	.4014657	.1379678	2.91	0.004	.1310509	.6718805
Sex#c.timew1w3w4						
Men	-.0037168	.0209288	-0.18	0.859	-.0447367	.0373031
timew1w3w4	0	(omitted)				
Race						
AfrAm	.7564532	.1315478	5.75	0.000	.4986177	1.014289
Race#c.timew1w3w4						
AfrAm	-.0766583	.0202869	-3.78	0.000	-.11642	-.0368966
timew1w3w4	0	(omitted)				
PovStat						
Below	-.3290104	.1400782	-2.35	0.019	-.6035694	-.0544514
PovStat#c.timew1w3w4						
Below	-.0308146	.0211914	-1.45	0.146	-.0723497	.0107206
timew1w3w4	0	(omitted)				
w1edubr						
2	.3185514	.2737454	1.16	0.245	-.2180109	.8551137
3	.5762626	.2872403	2.01	0.045	.0132488	1.139276

wledubr#c.timew1w3w4						
2	-.0202469	.04351	-0.47	0.642	-.105529	.0650351
3	.0389789	.0454094	0.86	0.391	-.0500231	.1279808
timew1w3w4	0	(omitted)				
inv millsCES	-.0062627	.0058283	-1.07	0.283	-.017686	.0051605
c.timew1w3w4#c.inv millsCES	.0013029	.0008261	1.58	0.115	-.0003162	.002922
timew1w3w4	0	(omitted)				
1.w1smoke	-.2747186	.1519091	-1.81	0.071	-.5736135	.0241763
w1smoke#c.timew1w3w4						
1	-.0028951	.0246738	-0.12	0.907	-.0515901	.0457999
timew1w3w4	0	(omitted)				
1.w1currrdrugs	-.4891438	.2007278	-2.44	0.018	-.891373	-.0869145
w1currrdrugs#c.timew1w3w4						
1	.0570098	.0304763	1.87	0.065	-.0036009	.1176206
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	.014672	.0058612	2.50	0.013	.0031524	.0261916
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0008059	.0010146	-0.79	0.429	-.0028152	.0012034
timew1w3w4	0	(omitted)				
w1BM Icent30	-.0100415	.0090605	-1.11	0.268	-.0278009	.0077179
c.timew1w3w4#c.w1BM Icent30	.0002475	.0013858	0.18	0.858	-.0024686	.0029635
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	-.6067278	.2826099	-2.15	0.032	-1.160634	-.0528217
c.timew1w3w4#c.Lnw1HCyscenter2p15	.032511	.0436056	0.75	0.456	-.0529569	.1179788
Sex#c.Lnw1HCyscenter2p15						
Men	.47784	.4081394	1.17	0.242	-.3221025	1.277783
Sex#c.timew1w3w4#c.Lnw1HCyscenter2p15						
Men	.0018078	.0632514	0.03	0.977	-.1221629	.1257785
_cons	9.037213	.2879571	31.38	0.000	8.472819	9.601606

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0709169	.0453461	.0202517	.2483356
sd(_cons)	1.479299	.0872315	1.317839	1.660542
corr(timew1w3w4,_cons)	.8019392	1.023218	-.9997606	.9999971
sd(Residual)	2.085733	.0403193	2.008185	2.166275

```

139 .
140 .
141 .
142 . *****BY RACE*****
143 .
144 .
145 .
146 .
147 . *****WHITE*****
148 .
149 . //MODEL 1: INCLUDE ONLY AGE, SEX, RACE AND POVERTY STATUS///
150 .
151 . mi estimate: mixed CES c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovStat
> c.timew1w3w4#c.lnw1HCyscenter2p15 ///
> if sample4obs==1 & Race==1 || HNDID: timew1w3w4

```

```

Multiple-imputation estimates      Imputations      =      5
Mixed-effects ML regression      Number of obs    =    1,735

Group variable: HNDID
                                Number of groups =    630
                                Obs per group:
                                    min =      1
                                    avg =     2.8
                                    max =      3
                                Average RVI      =    0.0000
                                Largest FMI       =    0.0000
DF adjustment: Large sample
                                DF: min         =      .
                                    avg         =      .
                                    max         =      .
Model F test: Equal FMI
                                F( 11, .)       =    5.41
                                Prob > F        =    0.0000

```

CES	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.2510969	.0815075	-3.08	0.002	-.4108486	-.0913451
w1Agecent48	-.084076	.0484063	-1.74	0.082	-.1789505	.0107985
c.timew1w3w4#c.w1Agecent48	-.0019248	.0059828	-0.32	0.748	-.0136508	.0098012
timew1w3w4	0 (omitted)					
Sex						
Men	-3.280994	.8987374	-3.65	0.000	-5.042487	-1.519501
Sex#c.timew1w3w4						
Men	.2659908	.1116442	2.38	0.017	.0471723	.4848094
timew1w3w4	0 (omitted)					
Race						
White	0 (omitted)					
Race#c.timew1w3w4						
White	0 (omitted)					
timew1w3w4	0 (omitted)					
PovStat						
Below	4.716844	.9498324	4.97	0.000	2.855207	6.578481
PovStat#c.timew1w3w4						
Below	-.1009878	.1153107	-0.88	0.381	-.3269926	.1250171

	timew1w3w4	0 (omitted)				
	invmlsCES	.0110634	.0287334	0.39	0.700	-.0452531 .0673798
	c.timew1w3w4#c.invmlsCES	-.0039773	.0031153	-1.28	0.202	-.0100832 .0021286
	timew1w3w4	0 (omitted)				
	Lnw1HCyscenter2p15	1.807428	1.478754	1.22	0.222	-1.090876 4.705732
	c.timew1w3w4#c.Lnw1HCyscenter2p15	-.2051275	.1858528	-1.10	0.270	-.5693922 .1591373
	_cons	14.95075	.6467804	23.12	0.000	13.68308 16.21841

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3w4)	.000021	.0042185	2.3e-176	1.9e+166
sd(_cons)	8.354364	.3100071	7.76833	8.984607
sd(Residual)	7.42333	.1581169	7.119806	7.739793

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154 . 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 & Race==1 || HNDID: timew1w3w4

Multiple-imputation estimates

Imputations = 5

Mixed-effects ML regression

Number of obs = 1,746

Group variable: HNDID

Number of groups = 630

Obs per group:

min = 1

avg = 2.8

max = 3

Average RVI = 0.0000

Largest FMI = 0.0000

DF adjustment: Large sample

DF: min = 7.72e+61

avg = 8.34e+66

max = .

Model F test: Equal FMI

F(11, 1.5e+64) = 4.80

Prob > F = 0.0000

CES_DA	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.1110122	.0356293	-3.12	0.002	-.1808444	-.041118
w1Agecent48	-.0289395	.0201621	-1.44	0.151	-.0684565	.0105774
c.timew1w3w4#c.w1Agecent48	-.001565	.0026066	-0.60	0.548	-.0066738	.0035438
timew1w3w4	0 (omitted)					
Sex						
Men	-1.539045	.3739788	-4.12	0.000	-2.27203	-.8060598
Sex#c.timew1w3w4						
Men	.1069832	.0486977	2.20	0.028	.0115374	.202429
timew1w3w4	0 (omitted)					

Race						
White	0	(omitted)				
Race#c.timew1w3w4						
White	0	(omitted)				
timew1w3w4	0	(omitted)				
PovStat						
Below	1.581819	.395789	4.00	0.000	.8060863	2.357551
PovStat#c.timew1w3w4						
Below	-.0423655	.0504139	-0.84	0.401	-.1411748	.0564439
timew1w3w4	0	(omitted)				
invmlsCES	-.0019115	.0120001	-0.16	0.873	-.0254312	.0216083
c.timew1w3w4#c.invmlsCES	-.0001706	.0013667	-0.12	0.901	-.0028493	.0025081
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.5354108	.6155147	0.87	0.384	-.6709758	1.741797
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0936481	.0811564	-1.15	0.249	-.2527117	.0654155
_cons	4.856273	.269441	18.02	0.000	4.328178	5.384367

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3w4)	2.05e-07	.0000695	5.4e-296	7.8e+281
sd(_cons)	3.359877	.1300166	3.114473	3.624617
sd(Residual)	3.258835	.0690239	3.126321	3.396967

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158 . 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 & Race==1 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	1,746
Group variable: HNDID	Number of groups	=	630
	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(11, 2.4e+66)	=	2.56
	Prob > F	=	0.0031

CES_IP	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0057972	.010598	-0.55	0.584	-.0265689	.0149745
w1Agecent48	-.0091855	.005418	-1.70	0.090	-.0198045	.0014336
c.timew1w3w4#c.w1Agecent48	-.0007576	.000775	-0.98	0.328	-.0022766	.0007614
timew1w3w4	0	(omitted)				
Sex						
Men	.1935199	.1005202	1.93	0.054	-.0034961	.390536
Sex#c.timew1w3w4						
Men	-.0207991	.0145037	-1.43	0.152	-.0492258	.0076276
timew1w3w4	0	(omitted)				
Race						
White	0	(omitted)				
Race#c.timew1w3w4						
White	0	(omitted)				
timew1w3w4	0	(omitted)				
PovStat						
Below	.2328064	.1065343	2.19	0.029	.0240029	.4416099
PovStat#c.timew1w3w4						
Below	.0043986	.0150492	0.29	0.770	-.0250973	.0338946
timew1w3w4	0	(omitted)				
invmillscES	.0033933	.0032381	1.05	0.295	-.0029531	.0097398
c.timew1w3w4#c.invmillscES	-.0004494	.0004103	-1.10	0.273	-.0012536	.0003549
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.086842	.165385	0.53	0.600	-.2373067	.4109908
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0045971	.0241381	-0.19	0.849	-.0519069	.0427127
_cons	.7590679	.0723633	10.49	0.000	.6172385	.9008973

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0113184	.	.	.
sd(_cons)	.8126435	.	.	.
corr(timew1w3w4,_cons)	-.9999999	.	.	.
sd(Residual)	.9794133	.	.	.

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162 . mi estimate: mixed CES_SC c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovSt

```
> c.timew1w3w4##c.Lnw1HCyscenter2p15  ///
> if sample4obs==1 & Race==1 || HNDID: timew1w3w4, cov(un)
```

```
Multiple-imputation estimates      Imputations      =      5
Mixed-effects ML regression      Number of obs    =    1,746

Group variable: HNDID
                                Number of groups   =    630
                                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( 11, 6.0e+65) =    7.16
                                Prob > F        =    0.0000
```

CES_SC	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.1329526	.0336081	-3.96	0.000	-.1988232	-.0670819
w1Agecent48	-.0266312	.0185727	-1.43	0.152	-.0630329	.0097705
c.timew1w3w4#c.w1Agecent48	-.0011094	.0024585	-0.45	0.652	-.005928	.0037092
timew1w3w4	0 (omitted)					
Sex						
Men	-1.493822	.3445118	-4.34	0.000	-2.169052	-.8185908
Sex#c.timew1w3w4						
Men	.1141543	.0459421	2.48	0.013	.0241095	.2041992
timew1w3w4	0 (omitted)					
Race						
White	0 (omitted)					
Race#c.timew1w3w4						
White	0 (omitted)					
timew1w3w4	0 (omitted)					
PovStat						
Below	1.916705	.3647049	5.26	0.000	1.201897	2.631514
PovStat#c.timew1w3w4						
Below	-.0129639	.0475749	-0.27	0.785	-.1062091	.0802813
timew1w3w4	0 (omitted)					
invmillscES	.0011422	.0110628	0.10	0.918	-.0205404	.0228248
c.timew1w3w4#c.invmillscES	-.0016995	.0012906	-1.32	0.188	-.0042291	.0008301
timew1w3w4	0 (omitted)					
Lnw1HCyscenter2p15	.5991641	.5669838	1.06	0.291	-.5121038	1.710432

CES	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.4130804	.2278519	-1.81	0.070	-.8596742	.0335134
w1Agecent48	-.0715318	.0488349	-1.46	0.143	-.1672562	.0241926
c.timew1w3w4#c.w1Agecent48	-.0033489	.0062025	-0.54	0.589	-.0155061	.0088082
timew1w3w4	0	(omitted)				
Sex						
Men	-3.490224	.8913299	-3.92	0.000	-5.23726	-1.743188
Sex#c.timew1w3w4						
Men	.2784718	.1127753	2.47	0.014	.0574318	.4995117
timew1w3w4	0	(omitted)				
Race						
White	0	(omitted)				
Race#c.timew1w3w4						
White	0	(omitted)				
timew1w3w4	0	(omitted)				
PovStat						
Below	3.540834	.9802098	3.61	0.000	1.619628	5.462041
PovStat#c.timew1w3w4						
Below	-.1478486	.1244607	-1.19	0.235	-.3917902	.0960931
timew1w3w4	0	(omitted)				
w1edubr						
2	-.6111034	1.598798	-0.38	0.702	-3.747956	2.525749
3	-2.934924	1.723997	-1.70	0.089	-6.318167	.4483186
w1edubr#c.timew1w3w4						
2	.2253963	.2120788	1.06	0.288	-.1902778	.6410704
3	.1069628	.227501	0.47	0.638	-.3389332	.5528588
timew1w3w4	0	(omitted)				
invmillscES	.0135059	.028203	0.48	0.632	-.041771	.0687827
c.timew1w3w4#c.invmillsCES	-.003504	.0031348	-1.12	0.264	-.009648	.0026401
timew1w3w4	0	(omitted)				
1.w1smoke	.5681121	1.000108	0.57	0.570	-1.398329	2.534553
w1smoke#c.timew1w3w4						
1	.1159627	.137953	0.84	0.401	-.1547787	.3867041
timew1w3w4	0	(omitted)				
1.w1curdrugs	1.600127	1.524932	1.05	0.302	-1.515441	4.715694
w1curdrugs#c.timew1w3w4						
1	-.0942475	.1846919	-0.51	0.611	-.4590315	.2705365
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.0715425	.0361073	-1.98	0.049	-.1427443	-.0003408
c.timew1w3w4#c.w1hei2010_total_scorecent43	.0032914	.0050263	0.65	0.513	-.0065665	.0131494

timew1w3w4 w1BMIcent30	0 (omitted)					
	.039052	.0609625	0.64	0.522	-.080436	.15854
c.timew1w3w4#c.w1BMIcent30	.0085495	.0079544	1.07	0.282	-.0070409	.0241399
timew1w3w4 Lnw1HCyscenter2p15	0 (omitted)					
	1.362274	1.457906	0.93	0.350	-1.495189	4.219737
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.2292362	.1889178	-1.21	0.225	-.5995141	.1410417
_cons	16.37626	1.716393	9.54	0.000	13.00802	19.74451

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3w4)	.0000123	.0026337	2.6e-188	5.7e+177
sd(_cons)	8.035702	.3059249	7.457921	8.658245
sd(Residual)	7.422154	.1588361	7.117276	7.740092

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177 . mi estimate: mixed CES_DA c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovSt
> c.timew1w3w4##w1smoke c.timew1w3w4##w1curdrugs c.timew1w3w4##c.w1hei2010_total_scorecent43 ///
> c.timew1w3w4##c.w1BMIcent30 ///
> c.timew1w3w4##c.Lnw1HCyscenter2p15 ///
> if sample4obs==1 & Race==1 || HNDID: timew1w3w4

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	1,746
Group variable: HNDID	Number of groups	=	630
	Obs per group:		
	min =		1
	avg =		2.8
	max =		3
	Average RVI	=	0.0636
	Largest FMI	=	0.3552
DF adjustment: Large sample	DF: min	=	38.46
	avg	=	3.84e+08
	max	=	9.83e+09
Model F test: Equal FMI	F(23,17726.9)	=	3.05
	Prob > F	=	0.0000

CES_DA	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4 w1Agecent48	-.2231087	.0996153	-2.24	0.025	-.4183618	-.0278555
	-.024066	.0205047	-1.17	0.241	-.0642561	.0161242
c.timew1w3w4#c.w1Agecent48	-.0020481	.0026896	-0.76	0.446	-.0073198	.0032235
timew1w3w4	0 (omitted)					
Sex						
Men	-1.620919	.3755562	-4.32	0.000	-2.357026	-.884811
Sex#c.timew1w3w4						
Men	.1161222	.0491452	2.36	0.018	.0197985	.2124459

timew1w3w4	0	(omitted)					
Race							
White	0	(omitted)					
Race#c.timew1w3w4							
White	0	(omitted)					
timew1w3w4	0	(omitted)					
PovStat							
Below	1.186191	.4129906	2.87	0.004	.3767383	1.995645	
PovStat#c.timew1w3w4							
Below	-.0358279	.0544085	-0.66	0.510	-.1424681	.0708122	
timew1w3w4	0	(omitted)					
wledubr							
2	-.0352731	.6889272	-0.05	0.959	-1.389513	1.318967	
3	-.9375139	.7261068	-1.29	0.197	-2.362214	.487186	
wledubr#c.timew1w3w4							
2	.1092373	.0923366	1.18	0.237	-.0717429	.2902176	
3	.1186223	.0994722	1.19	0.233	-.0763467	.3135914	
timew1w3w4	0	(omitted)					
inv millsCES	-.0013443	.0119095	-0.11	0.910	-.0246865	.0219978	
c.timew1w3w4#c.inv millsCES	4.69e-06	.0013736	0.00	0.997	-.0026875	.0026969	
timew1w3w4	0	(omitted)					
1.w1smoke	.1659559	.4179973	0.40	0.691	-.6545202	.986432	
w1smoke#c.timew1w3w4							
1	.0223051	.0603006	0.37	0.712	-.0960622	.1406724	
timew1w3w4	0	(omitted)					
1.w1currrdrugs	.5833852	.6262061	0.93	0.357	-.6838081	1.850579	
w1currrdrugs#c.timew1w3w4							
1	-.0144913	.079998	-0.18	0.856	-.1723621	.1433795	
timew1w3w4	0	(omitted)					
w1hei2010_total_scorecent43	-.0206803	.0168498	-1.23	0.225	-.0545088	.0131481	
c.timew1w3w4#c.w1hei2010_total_scorecent43	.00131	.0022115	0.59	0.554	-.0030315	.0056514	
timew1w3w4	0	(omitted)					
w1BM Icent30	.001125	.0256023	0.04	0.965	-.0490546	.0513047	
c.timew1w3w4#c.w1BM Icent30	.0056038	.003477	1.61	0.107	-.0012112	.0124187	
timew1w3w4	0	(omitted)					
Lnw1HCyscenter2p15	.4032884	.6129182	0.66	0.511	-.7980101	1.604587	
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.1034141	.082232	-1.26	0.209	-.2645861	.0577578	
_cons	5.242203	.7261115	7.22	0.000	3.817144	6.667261	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3w4)	2.50e-07	.0000973	0	.
sd(_cons)	3.293398	.1292185	3.049627	3.556654
sd(Residual)	3.254098	.0692213	3.121214	3.392639

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181 . mi estimate: mixed CES_IP 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 & Race==1 || HNDID: timew1w3w4, cov(un)
```

```
Multiple-imputation estimates      Imputations      =      5
Mixed-effects ML regression      Number of obs    =    1,746

Group variable: HNDID
                                Number of groups =    630
                                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( 23,51603.2) =    1.72
                                    Prob > F      =    0.0168
```

CES_IP	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0006199	.029737	-0.02	0.983	-.0589066	.0576669
w1Agecent48	-.0084555	.0055129	-1.53	0.125	-.0192607	.0023496
c.timew1w3w4#c.w1Agecent48	-.0008564	.0007996	-1.07	0.284	-.0024235	.0007107
timew1w3w4	0	(omitted)				
Sex						
Men	.1797809	.1009305	1.78	0.075	-.0180395	.3776014
Sex#c.timew1w3w4						
Men	-.0201095	.0146314	-1.37	0.169	-.0487865	.0085676
timew1w3w4	0	(omitted)				
Race						
White	0	(omitted)				
Race#c.timew1w3w4						
White	0	(omitted)				
timew1w3w4	0	(omitted)				
PovStat						
Below	.1511604	.1118496	1.35	0.177	-.0680642	.370385

PovStat#c.timew1w3w4						
Below	.0053646	.0162249	0.33	0.741	-.0264358	.037165
timew1w3w4	0	(omitted)				
wledubr						
2	.1142624	.1802094	0.63	0.526	-.2389882	.4675131
3	-.133451	.1935794	-0.69	0.491	-.5128883	.2459864
wledubr#c.timew1w3w4						
2	-.0113464	.0275822	-0.41	0.681	-.0654078	.0427149
3	-.0021597	.0299213	-0.07	0.942	-.0608165	.0564972
timew1w3w4	0	(omitted)				
inv mills CES	.0037337	.003228	1.16	0.247	-.0025931	.0100605
c.timew1w3w4#c.inv mills CES	-.0004611	.0004127	-1.12	0.264	-.00127	.0003478
timew1w3w4	0	(omitted)				
1.w1smoke	-.0108763	.1195784	-0.09	0.928	-.2463337	.224581
w1smoke#c.timew1w3w4						
1	.0092693	.0182487	0.51	0.612	-.0266077	.0451464
timew1w3w4	0	(omitted)				
1.w1currrdrugs	.1377497	.1590318	0.87	0.388	-.1773934	.4528929
w1currrdrugs#c.timew1w3w4						
1	-.0169264	.0240229	-0.70	0.482	-.0643984	.0305455
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.0044617	.0042731	-1.04	0.297	-.0128636	.0039401
c.timew1w3w4#c.w1hei2010_total_scorecent43	.0003138	.0006862	0.46	0.648	-.0010403	.001668
timew1w3w4	0	(omitted)				
w1BM Icent30	.0031897	.0069854	0.46	0.648	-.0105027	.0168822
c.timew1w3w4#c.w1BM Icent30	-.0000963	.0010403	-0.09	0.926	-.0021354	.0019428
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.0547655	.1653841	0.33	0.741	-.2693814	.3789124
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0026191	.0244594	-0.11	0.915	-.0505587	.0453205
_cons	.7668026	.1938594	3.96	0.000	.3867686	1.146837

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3w4)	.0108243	.	.
sd(_cons)	.800037	.	.
corr(timew1w3w4,_cons)	-.9999999	.	.
sd(Residual)	.9786284	.	.

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185 . mi estimate: mixed CES_SC 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 & Race==1 || HNDID: timew1w3w4

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	1,746
Group variable: HNDID	Number of groups	=	630
	Obs per group:		
	min	=	1
	avg	=	2.8
	max	=	3
	Average RVI	=	0.0634
	Largest FMI	=	0.2972
DF adjustment: Large sample	DF: min	=	54.17
	avg	=	1.51e+12
	max	=	4.07e+13
Model F test: Equal FMI	F(23,17939.5)	=	5.84
	Prob > F	=	0.0000

CES_SC	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.2177557	.0941586	-2.31	0.021	-.402321	-.0331904
w1Agecent48	-.0232129	.0185983	-1.25	0.212	-.0596723	.0132464
c.timew1w3w4#c.w1Agecent48	-.0013824	.0025467	-0.54	0.587	-.006374	.0036093
timew1w3w4	0	(omitted)				
Sex						
Men	-1.564225	.3372996	-4.64	0.000	-2.225328	-.9031209
Sex#c.timew1w3w4						
Men	.1171687	.0464322	2.52	0.012	.0261605	.2081768
timew1w3w4	0	(omitted)				
Race						
White	0	(omitted)				
Race#c.timew1w3w4						
White	0	(omitted)				
timew1w3w4	0	(omitted)				
PovStat						
Below	1.368814	.3737912	3.66	0.000	.6361556	2.101473
PovStat#c.timew1w3w4						
Below	-.0435838	.0512466	-0.85	0.395	-.1440258	.0568581
timew1w3w4	0	(omitted)				
w1edubr						
2	-.5076165	.5953763	-0.85	0.394	-1.674594	.6593614
3	-1.424942	.6509805	-2.19	0.029	-2.701571	-.1483132

wledubr#c.timew1w3w4							
2	.1111992	.0875781	1.27	0.204	-.06047	.2828685	
3	.0432901	.0934725	0.46	0.643	-.1399135	.2264937	
timew1w3w4	0	(omitted)					
inv millsCES	.0022447	.0107418	0.21	0.834	-.0188089	.0232983	
c.timew1w3w4#c.inv millsCES	-.0014991	.0012972	-1.16	0.248	-.0040416	.0010434	
timew1w3w4	0	(omitted)					
1.w1smoke	.4160653	.3824303	1.09	0.277	-.3348482	1.166979	
w1smoke#c.timew1w3w4							
1	.0722725	.0554118	1.30	0.192	-.03635	.180895	
timew1w3w4	0	(omitted)					
1.w1currrdrugs	.3779555	.5503233	0.69	0.495	-.7252986	1.481209	
w1currrdrugs#c.timew1w3w4							
1	.0135311	.0752587	0.18	0.858	-.1349441	.1620063	
timew1w3w4	0	(omitted)					
w1hei2010_total_scorecent43	-.031679	.0148067	-2.14	0.035	-.0611059	-.002252	
c.timew1w3w4#c.w1hei2010_total_scorecent43	.00159	.0021131	0.75	0.452	-.0025637	.0057437	
timew1w3w4	0	(omitted)					
w1BM Icent30	.0265926	.0232156	1.15	0.252	-.018912	.0720972	
c.timew1w3w4#c.w1BM Icent30	.0035436	.003269	1.08	0.278	-.0028634	.0099507	
timew1w3w4	0	(omitted)					
Lnw1HCyscenter2p15	.4074398	.5543366	0.74	0.462	-.6790754	1.493955	
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.070023	.0778894	-0.90	0.369	-.2226895	.0826436	
_cons	7.555073	.6446301	11.72	0.000	6.291244	8.818902	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3w4)	.0000133	.0026738	6.4e-177	2.8e+166
sd(_cons)	2.84271	.1177507	2.621042	3.083125
sd(Residual)	3.074428	.0653604	2.948954	3.205241

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189 . mi estimate: mixed CES_WB c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovStat
> c.timew1w3w4##w1smoke c.timew1w3w4##w1currrdrugs c.timew1w3w4##c.w1hei2010_total_scorecent43 ///
> c.timew1w3w4##c.w1BMICent30 ///
> c.timew1w3w4##c.lnw1HCyscenter2p15 ///
> if sample4obs==1 & Race==1 || HNDID: timew1w3w4, cov(un)

```

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	1,746
Group variable: HNDID	Number of groups	=	630
	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(23,11243.3)	=	2.54
	Prob > F	=	0.0001

CES_WB	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0465374	.0648996	-0.72	0.473	-.1737696	.0806947
w1Agecent48	.0165107	.0116949	1.41	0.158	-.0064109	.0394323
c.timew1w3w4#c.w1Agecent48	-.0013135	.0017565	-0.75	0.455	-.0047564	.0021295
timew1w3w4	0	(omitted)				
Sex						
Men	.4724855	.2148191	2.20	0.028	.0514347	.8935362
Sex#c.timew1w3w4						
Men	-.0586143	.0318676	-1.84	0.066	-.1210743	.0038457
timew1w3w4	0	(omitted)				
Race						
White	0	(omitted)				
Race#c.timew1w3w4						
White	0	(omitted)				
timew1w3w4	0	(omitted)				
PovStat						
Below	-.7577626	.2368037	-3.20	0.001	-1.221893	-.2936325
PovStat#c.timew1w3w4						
Below	.0651035	.0353462	1.84	0.066	-.0041775	.1343846
timew1w3w4	0	(omitted)				
w1edubr						
2	-.0117196	.3844101	-0.03	0.976	-.765458	.7420188
3	.2909901	.4148503	0.70	0.483	-.5225165	1.104497
w1edubr#c.timew1w3w4						
2	.0064153	.0603558	0.11	0.915	-.1119127	.1247434

3	.0785834	.0644689	1.22	0.223	-.0477826	.2049494
timew1w3w4	0 (omitted)					
inv millsCES	-.0090885	.0068422	-1.33	0.184	-.0224989	.004322
c.timew1w3w4#c.inv millsCES	.0015019	.0008893	1.69	0.091	-.0002412	.0032449
timew1w3w4	0 (omitted)					
1.w1smoke	-.0426096	.2679182	-0.16	0.874	-.576015	.4907959
w1smoke#c.timew1w3w4						
1	-.0143439	.0400753	-0.36	0.721	-.0932569	.0645692
timew1w3w4	0 (omitted)					
1.w1curdrugs	-.5034636	.334193	-1.51	0.135	-1.165565	.1586377
w1curdrugs#c.timew1w3w4						
1	.0598011	.0519145	1.15	0.251	-.0427155	.1623177
timew1w3w4	0 (omitted)					
w1hei2010_total_scorecent43	.0183024	.0092396	1.98	0.049	.0000535	.0365513
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0004382	.0014965	-0.29	0.770	-.0033927	.0025163
timew1w3w4	0 (omitted)					
w1BM Icent30	-.0102664	.01487	-0.69	0.490	-.0394176	.0188847
c.timew1w3w4#c.w1BM Icent30	.000536	.0022502	0.24	0.812	-.0038743	.0049464
timew1w3w4	0 (omitted)					
Lnw1HCyscenter2p15	-.3851579	.3508005	-1.10	0.272	-1.072715	.3023988
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0515066	.0535684	0.96	0.336	-.0534892	.1565025
_cons	9.346953	.4184674	22.34	0.000	8.525741	10.16816

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3w4)	.0413286	.	.
sd(_cons)	1.679044	.	.
corr(timew1w3w4,_cons)	.9999999	.	.
sd(Residual)	2.084705	.	.

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192 . *****AFRICAN-AMERICAN*****

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195 . //MODEL 1: INCLUDE ONLY AGE, SEX, RACE AND POVERTY STATUS///

196 . mi estimate: mixed CES c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovStat

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

> if sample4obs==1 & Race==2 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	2,280
Group variable: HNDID	Number of groups	=	830
	Obs per group:		
	min	=	1
	avg	=	2.7
	max	=	3
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
DF adjustment: Large sample	DF: min	=	3.41e+56
	avg	=	1.37e+66
	max	=	.
Model F test: Equal FMI	F(11, 1.7e+69)	=	7.56
	Prob > F	=	0.0000

CES	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0903567	.0698201	-1.29	0.196	-.2272017	.0464882
w1Agecent48	-.1393113	.0409628	-3.40	0.001	-.2195969	-.0590256
c.timew1w3w4#c.w1Agecent48	.004201	.0048217	0.87	0.384	-.0052493	.0136514
timew1w3w4	0	(omitted)				
Sex						
Men	-2.355099	.7832973	-3.01	0.003	-3.890333	-.8198642
Sex#c.timew1w3w4						
Men	-.0423795	.0903403	-0.47	0.639	-.2194432	.1346841
timew1w3w4	0	(omitted)				
Race						
AfrAm	0	(omitted)				
Race#c.timew1w3w4						
AfrAm	0	(omitted)				
timew1w3w4	0	(omitted)				
PovStat						
Below	3.839522	.7436041	5.16	0.000	2.382084	5.296959
PovStat#c.timew1w3w4						
Below	.06702	.0857391	0.78	0.434	-.1010256	.2350656
timew1w3w4	0	(omitted)				
invmillsCES	-.070127	.0572523	-1.22	0.221	-.1823395	.0420855
c.timew1w3w4#c.invmillsCES	.0056901	.0072038	0.79	0.430	-.008429	.0198093
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	2.593016	1.150048	2.25	0.024	.3389633	4.847069

c.timew1w3w4#c.Lnw1HCyscenter2p15	- .0295477	.1353327	-0.22	0.827	-.2947949	.2356994
_cons	13.33719	.5943952	22.44	0.000	12.1722	14.50218

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.4482881	.1000002	.28952	.6941221
sd(_cons)	8.496259	.3380632	7.858845	9.185372
corr(timew1w3w4,_cons)	-.3989892	.0896803	-.5590811	-.2102155
sd(Residual)	6.627355	.1732224	6.296395	6.975711

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199 . 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 & Race==2 || HNDID: timew1w3w4, cov(un)

```

Multiple-imputation estimates      Imputations      =      5
Mixed-effects ML regression      Number of obs    =    2,286

Group variable: HNDID
                                Number of groups   =    830
                                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( 11, 1.9e+70) =    9.10
                                Prob > F           =    0.0000

```

CES_DA	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0914714	.0299842	-3.05	0.002	-.1502394	-.0327034
w1Agecent48	-.0405302	.0179412	-2.26	0.024	-.0756942	-.0053661
c.timew1w3w4#c.w1Agecent48	-.0011972	.002064	-0.58	0.562	-.0052425	.0028481
timew1w3w4	0 (omitted)					
Sex						
Men	-1.481193	.3430608	-4.32	0.000	-2.15358	-.8088063
Sex#c.timew1w3w4						
Men	.0333871	.0385309	0.87	0.386	-.0421321	.1089064
timew1w3w4	0 (omitted)					
Race						
AfrAm	0 (omitted)					
Race#c.timew1w3w4						
AfrAm	0 (omitted)					
timew1w3w4	0 (omitted)					

PovStat							
Below	1.737117	.3257126	5.33	0.000	1.098732	2.375502	
PovStat#c.timew1w3w4							
Below	-.0036452	.0365691	-0.10	0.921	-.0753193	.0680289	
timew1w3w4	0 (omitted)						
invmlsCES	-.0428422	.0251401	-1.70	0.088	-.0921158	.0064314	
c.timew1w3w4#c.invmlsCES	.004908	.0031542	1.56	0.120	-.0012742	.0110902	
timew1w3w4	0 (omitted)						
Lnw1HCyscenter2p15	1.224478	.5039471	2.43	0.015	.2367601	2.212196	
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0456539	.0579477	-0.79	0.431	-.1592294	.0679215	
_cons	4.229207	.2604178	16.24	0.000	3.718797	4.739616	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0597322	.	.	.
sd(_cons)	3.604136	.	.	.
corr(timew1w3w4,_cons)	-.9999984	.	.	.
sd(Residual)	3.084966	.	.	.

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203 . mi estimate: mixed CES_IP c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovStat
> c.timew1w3w4##c.Lnw1HCyscenter2p15 ///
> if sample4obs==1 & Race==2 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	2,286
Group variable: HNDID	Number of groups	=	830
	Obs per group:		
	min =		1
	avg =		2.8
	max =		3
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
DF adjustment: Large sample	DF: min	=	1.16e+62
	avg	=	3.30e+66
	max	=	.
Model F test: Equal FMI	F(11, 4.7e+64)	=	3.87
	Prob > F	=	0.0000

CES_IP	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0057717	.0098485	-0.59	0.558	-.0250744	.013531
w1Agecent48	-.0131236	.0049305	-2.66	0.008	-.0227871	-.00346
c.timew1w3w4#c.w1Agecent48	.000406	.0006779	0.60	0.549	-.0009226	.0017346
timew1w3w4	0	(omitted)				
Sex						
Men	-.0023086	.0942566	-0.02	0.980	-.1870481	.1824309
Sex#c.timew1w3w4						
Men	-.0072318	.0126541	-0.57	0.568	-.0320334	.0175697
timew1w3w4	0	(omitted)				
Race						
AfrAm	0	(omitted)				
Race#c.timew1w3w4						
AfrAm	0	(omitted)				
timew1w3w4	0	(omitted)				
PovStat						
Below	.3818389	.0895457	4.26	0.000	.2063326	.5573452
PovStat#c.timew1w3w4						
Below	-.0043326	.0120086	-0.36	0.718	-.027869	.0192037
timew1w3w4	0	(omitted)				
invmillscES	-.0051098	.0069553	-0.73	0.463	-.018742	.0085224
c.timew1w3w4#c.invmillscES	-.0000603	.0010373	-0.06	0.954	-.0020933	.0019727
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.1097862	.138501	0.79	0.428	-.1616707	.3812431
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0038799	.0190374	-0.20	0.839	-.0411925	.0334327
_cons	.8094869	.0715815	11.31	0.000	.6691897	.9497841

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0139025	.0612026	2.49e-06	77.68114
sd(_cons)	.8449703	.0521605	.74868	.9536447
corr(timew1w3w4,_cons)	-.4764686	1.516412	-.9996757	.9974236
sd(Residual)	1.017329	.0251585	.9691955	1.067854

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207 . mi estimate: mixed CES_SC c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovSt

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

> if sample4obs==1 & Race==2 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	2,286
Group variable: HNDID	Number of groups	=	830
	Obs per group:		
	min	=	1
	avg	=	2.8
	max	=	3
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
DF adjustment: Large sample	DF: min	=	.
	avg	=	.
	max	=	.
Model F test: Equal FMI	F(11, .)	=	7.52
	Prob > F	=	0.0000

CES_SC	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.064242	.0311612	-2.06	0.039	-.1253169	-.0031671
w1Agecent48	-.0564846	.016298	-3.47	0.001	-.0884281	-.0245411
c.timew1w3w4#c.w1Agecent48	.0021957	.0021483	1.02	0.307	-.0020149	.0064063
timew1w3w4	0	(omitted)				
Sex						
Men	-.6096478	.3116295	-1.96	0.050	-1.22043	.0011348
Sex#c.timew1w3w4						
Men	-.0233062	.0402167	-0.58	0.562	-.1021294	.0555171
timew1w3w4	0	(omitted)				
Race						
AfrAm	0	(omitted)				
Race#c.timew1w3w4						
AfrAm	0	(omitted)				
timew1w3w4	0	(omitted)				
PovStat						
Below	1.476422	.2959624	4.99	0.000	.8963461	2.056497
PovStat#c.timew1w3w4						
Below	-.0185068	.0381675	-0.48	0.628	-.0933138	.0563001
timew1w3w4	0	(omitted)				
invmillscES	-.0198062	.0228876	-0.87	0.387	-.064665	.0250526
c.timew1w3w4#c.invmillscES	.0019779	.003236	0.61	0.541	-.0043645	.0083202
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.8211834	.4577912	1.79	0.073	-.0760709	1.718438

timew1w3w4	0 (omitted)					
PovStat						
Below	-.2809358	.1677117	-1.68	0.094	-.6096447	.0477731
PovStat#c.timew1w3w4						
Below	-.0826185	.0258421	-3.20	0.001	-.1332681	-.0319689
timew1w3w4	0 (omitted)					
invmillsCES	.0018638	.0130639	0.14	0.887	-.0237411	.0274686
c.timew1w3w4#c.invmillsCES	.0013793	.0021837	0.63	0.528	-.0029006	.0056592
timew1w3w4	0 (omitted)					
Lnw1HCyscenter2p15	-.4467223	.2594223	-1.72	0.085	-.9551808	.0617361
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0144493	.0408865	0.35	0.724	-.0656868	.0945853
_cons	10.01793	.1340393	74.74	0.000	9.755221	10.28065

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.1073772	.038249	.0534201	.2158338
sd(_cons)	1.405283	.1186575	1.190943	1.658198
corr(timew1w3w4,_cons)	.4916215	.4601645	-.5724567	.9387672
sd(Residual)	2.056922	.0532556	1.955147	2.163995

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214 . save "finaldata_imputed_FINAL.dta", replace
file finaldata_imputed_FINAL.dta saved

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219 . //MODEL 2: FULL MODEL///

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221 . mi estimate: mixed CES 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 & Race==2 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates

Imputations = 5

Mixed-effects ML regression

Number of obs = 2,280

Group variable: HNDID

Number of groups = 830

Obs per group:

min = 1

avg = 2.7

max = 3

Average RVI = 0.0659

Largest FMI = 0.2963

DF adjustment: Large sample

DF: min = 54.49

avg = 335,168.72

max = 7604511.59

Model F test: Equal FMI

F(23,16251.9) = 6.84

Prob > F = 0.0000

CES	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.1484278	.2208702	-0.67	0.502	-.5813273	.2844716
w1Agecent48	-.0983353	.0409197	-2.40	0.016	-.1785477	-.018123
c.timew1w3w4#c.w1Agecent48	.0040175	.0050255	0.80	0.424	-.0058335	.0138686
timew1w3w4	0	(omitted)				
Sex						
Men	-2.944794	.7821217	-3.77	0.000	-4.477724	-1.411863
Sex#c.timew1w3w4						
Men	-.0164737	.0936934	-0.18	0.860	-.2001101	.1671626
timew1w3w4	0	(omitted)				
Race						
AfrAm	0	(omitted)				
Race#c.timew1w3w4						
AfrAm	0	(omitted)				
timew1w3w4	0	(omitted)				
PovStat						
Below	2.488242	.748446	3.32	0.001	1.021212	3.955271
PovStat#c.timew1w3w4						
Below	.1035101	.0900136	1.15	0.250	-.0729219	.279942
timew1w3w4	0	(omitted)				
w1edubr						
2	-3.025824	1.782159	-1.70	0.090	-6.520053	.4684051
3	-4.972238	1.837112	-2.71	0.007	-8.574391	-1.370086
w1edubr#c.timew1w3w4						
2	.1530568	.213507	0.72	0.473	-.2654552	.5715688
3	.0987498	.2192218	0.45	0.652	-.3309234	.528423
timew1w3w4	0	(omitted)				
inv millsCES	-.0748141	.0554118	-1.35	0.177	-.1834201	.033792
c.timew1w3w4#c.inv millsCES	.0061132	.0072596	0.84	0.400	-.0081159	.0203423
timew1w3w4	0	(omitted)				
1.w1smoke	2.764601	.7950875	3.48	0.001	1.200589	4.328613

w1smoke#c.timew1w3w4 1	-.1135587	.09973	-1.14	0.255	-.3092904	.0821729
timew1w3w4 1.w1currdrugs	0 (omitted) 3.41064	.9918362	3.44	0.001	1.43178	5.3895
w1currdrugs#c.timew1w3w4 1	-.197647	.1296617	-1.52	0.133	-.4575499	.062256
timew1w3w4 w1hei2010_total_scorecent43	0 (omitted) -.0557611	.0351509	-1.59	0.118	-.1261522	.0146299
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.002558	.004613	-0.55	0.580	-.0116611	.0065451
timew1w3w4 w1BMICent30	0 (omitted) .0820938	.050611	1.62	0.105	-.0171395	.1813272
c.timew1w3w4#c.w1BMICent30	-.0019808	.0060656	-0.33	0.744	-.0138697	.0099082
timew1w3w4 Lnw1HCyscenter2p15	0 (omitted) 2.064348	1.113628	1.85	0.064	-.1183422	4.247037
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0226423	.1360308	-0.17	0.868	-.2892584	.2439739
_cons	15.75471	1.849835	8.52	0.000	12.12677	19.38265

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.443988	.1012788	.283922	.694294
sd(_cons)	7.99255	.3380335	7.356716	8.683337
corr(timew1w3w4,_cons)	-.3838304	.094731	-.5527291	-.1846435
sd(Residual)	6.631289	.175823	6.295407	6.985091

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

> c.timew1w3w4##w1smoke c.timew1w3w4##w1currdrugs c.timew1w3w4##c.w1hei2010_total_scorecent43 ///

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

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

> if sample4obs==1 & Race==2 || HNDID: timew1w3w4

Multiple-imputation estimates

Imputations = 5

Mixed-effects ML regression

Number of obs = 2,286

Group variable: HNDID

Number of groups = 830

Obs per group:

min = 1

avg = 2.8

max = 3

Average RVI = 0.0499

Largest FMI = 0.2831

DF adjustment: Large sample

DF: min = 59.44

avg = 2.87e+11

max = 7.74e+12

Model F test: Equal FMI

F(23,28305.9) = 7.10

Prob > F = 0.0000

CES_DA	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0752107	.0942817	-0.80	0.425	-.2600004	.109579
w1Agecent48	-.0233923	.0173093	-1.35	0.177	-.05732	.0105354
c.timew1w3w4#c.w1Agecent48	-.0014876	.0021568	-0.69	0.490	-.0057152	.00274
timew1w3w4	0	(omitted)				
Sex						
Men	-1.683006	.3319003	-5.07	0.000	-2.333519	-1.032493
Sex#c.timew1w3w4						
Men	.0434779	.0400484	1.09	0.278	-.0350155	.1219714
timew1w3w4	0	(omitted)				
Race						
AfrAm	0	(omitted)				
Race#c.timew1w3w4						
AfrAm	0	(omitted)				
timew1w3w4	0	(omitted)				
PovStat						
Below	1.22841	.3176289	3.87	0.000	.6058251	1.850994
PovStat#c.timew1w3w4						
Below	.0117293	.0384309	0.31	0.760	-.0635956	.0870541
timew1w3w4	0	(omitted)				
w1edubr						
2	-1.153196	.7510921	-1.54	0.125	-2.62547	.3190775
3	-1.888742	.7740932	-2.44	0.015	-3.406137	-.3713467
w1edubr#c.timew1w3w4						
2	.0180259	.0906902	0.20	0.842	-.1597336	.1957855
3	.011055	.0933886	0.12	0.906	-.1719855	.1940955
timew1w3w4	0	(omitted)				
inv millsCES	-.0454499	.0235751	-1.93	0.054	-.0916563	.0007565
c.timew1w3w4#c.inv millsCES	.005178	.0031739	1.63	0.103	-.001043	.0113989
timew1w3w4	0	(omitted)				
1.w1smoke	1.062893	.3407468	3.12	0.002	.392235	1.733552
w1smoke#c.timew1w3w4						
1	-.0556899	.041985	-1.33	0.185	-.1380007	.0266209
timew1w3w4	0	(omitted)				
1.w1currdrugs	1.533543	.4033263	3.80	0.000	.7364241	2.330662
w1currdrugs#c.timew1w3w4						
1	-.0696091	.051575	-1.35	0.179	-.1714312	.0322129
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.0196669	.0150503	-1.31	0.196	-.0497778	.0104439
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0009725	.0019933	-0.49	0.626	-.0049097	.0029647

	timew1w3w4 w1BMICent30	0 (omitted)				
		.0451937	.0213368	2.12	0.034	.0033684 .087019
	c.timew1w3w4#c.w1BMICent30	-.0010361	.0025959	-0.40	0.690	-.0061241 .0040519
	timew1w3w4 Lnw1HCyscenter2p15	0 (omitted)				
		1.013238	.4727023	2.14	0.032	.0867533 1.939724
	c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0391068	.0584244	-0.67	0.503	-.1536167 .0754031
	_cons	5.081583	.776936	6.54	0.000	3.558557 6.60461

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3w4)	9.87e-06	.0016953	5.8e-152	1.7e+141
sd(_cons)	3.185272	.1090734	2.978507	3.406391
sd(Residual)	3.095617	.0580779	2.983846	3.211574

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228 . mi estimate: mixed CES_IP c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovSt
> c.timew1w3w4##w1smoke c.timew1w3w4##w1currdrugs c.timew1w3w4##c.w1hei2010_total_scorecent43 ///
> c.timew1w3w4##c.w1BMICent30 ///
> c.timew1w3w4##c.Lnw1HCyscenter2p15 ///
> if sample4obs==1 & Race==2 || HNDID: timew1w3w4, cov(un)

```

```

Multiple-imputation estimates      Imputations      =      5
Mixed-effects ML regression      Number of obs      =    2,286

Group variable: HNDID
                                Number of groups =      830
                                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( 23,22443.0) =      2.80
                                Prob > F      =      0.0000

```

	CES_IP	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
	timew1w3w4 w1Agecent48	-.0284804	.0307961	-0.92	0.355	-.0888399	.031879
		-.010366	.005055	-2.05	0.040	-.0202742	-.0004579
	c.timew1w3w4#c.w1Agecent48	.0004187	.0007022	0.60	0.551	-.0009575	.0017949
	timew1w3w4	0 (omitted)					
	Sex						
	Men	-.0399106	.0969964	-0.41	0.681	-.2300213	.1502002
	Sex#c.timew1w3w4						

Men	- .0037593	.0131123	-0.29	0.774	- .029459	.0219405
timew1w3w4	0	(omitted)				
Race						
AfrAm	0	(omitted)				
Race#c.timew1w3w4						
AfrAm	0	(omitted)				
timew1w3w4	0	(omitted)				
PovStat						
Below	.2934089	.0922063	3.18	0.001	.1126869	.474131
PovStat#c.timew1w3w4						
Below	- .0002723	.0125755	-0.02	0.983	- .0249202	.0243756
timew1w3w4	0	(omitted)				
wledubr						
2	- .313868	.2210196	-1.42	0.156	- .747198	.1194619
3	- .4503615	.226575	-1.99	0.047	- .8945155	- .0062075
wledubr#c.timew1w3w4						
2	.029873	.0296118	1.01	0.313	- .0281678	.0879139
3	.0225968	.0304457	0.74	0.458	- .0370758	.0822693
timew1w3w4	0	(omitted)				
inv millsCES	- .0052932	.0069068	-0.77	0.443	- .0188303	.0082439
c.timew1w3w4#c.inv millsCES	- .0000114	.0010402	-0.01	0.991	- .0020502	.0020274
timew1w3w4	0	(omitted)				
1.w1smoke	.0862321	.0961035	0.90	0.370	- .102136	.2746003
w1smoke#c.timew1w3w4						
1	- .0026387	.0137778	-0.19	0.848	- .029654	.0243767
timew1w3w4	0	(omitted)				
1.w1curdrugs	.2779566	.1291188	2.15	0.036	.0191431	.5367701
w1curdrugs#c.timew1w3w4						
1	- .0232267	.016716	-1.39	0.166	- .056187	.0097335
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	- .0052808	.0051346	-1.03	0.313	- .0158485	.0052869
c.timew1w3w4#c.w1hei2010_total_scorecent43	- .0001227	.0006293	-0.20	0.845	- .0013601	.0011147
timew1w3w4	0	(omitted)				
w1BMIcent30	.0047091	.0061912	0.76	0.447	- .0074258	.0168439
c.timew1w3w4#c.w1BMIcent30	.0002071	.0008491	0.24	0.807	- .0014572	.0018714
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.0702916	.1377841	0.51	0.610	- .199761	.3403442
c.timew1w3w4#c.Lnw1HCyscenter2p15	- .0028951	.0191119	-0.15	0.880	- .0403537	.0345634
_cons	1.113128	.2285304	4.87	0.000	.6650411	1.561214

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0119064	.	.	.
sd(_cons)	.8241723	.	.	.
corr(timew1w3w4,_cons)	-.4823146	.	.	.
sd(Residual)	1.016329	.	.	.

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232 . mi estimate: mixed CES_SC 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 & Race==2 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates

Imputations = 5

Mixed-effects ML regression

Number of obs = 2,286

Group variable: HNDID

Number of groups = 830

Obs per group:

min = 1

avg = 2.8

max = 3

Average RVI = 0.0665

Largest FMI = 0.3300

DF adjustment: Large sample

DF: min = 44.32

avg = 571,383.70

max = 1.48e+07

Model F test: Equal FMI

F(23,15987.6) = 7.08

Prob > F = 0.0000

CES_SC	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0841422	.098291	-0.86	0.392	-.2767906	.1085062
w1Agecent48	-.0393944	.0163323	-2.41	0.016	-.071409	-.0073799
c.timew1w3w4#c.w1Agecent48	.0024889	.0022374	1.11	0.266	-.0018967	.0068744
timew1w3w4	0 (omitted)					
Sex						
Men	-.8652556	.3119243	-2.77	0.006	-1.476616	-.2538952
Sex#c.timew1w3w4						
Men	-.0208835	.0417968	-0.50	0.617	-.1028046	.0610376
timew1w3w4	0 (omitted)					
Race						
AfrAm	0 (omitted)					
Race#c.timew1w3w4						
AfrAm	0 (omitted)					
timew1w3w4	0 (omitted)					
PovStat						

Below	.9371001	.2977633	3.15	0.002	.3534799	1.52072
PovStat#c.timew1w3w4						
Below	-.006468	.0400615	-0.16	0.872	-.0849901	.0720541
timew1w3w4	0	(omitted)				
wledubr						
2	-.7287191	.7080202	-1.03	0.303	-2.116616	.6591775
3	-1.611778	.7329589	-2.20	0.028	-3.048799	-.1747572
wledubr#c.timew1w3w4						
2	.0406891	.094932	0.43	0.668	-.1453962	.2267744
3	.0617596	.0975009	0.63	0.526	-.1293424	.2528617
timew1w3w4	0	(omitted)				
invmlsCES	-.0215323	.0222012	-0.97	0.332	-.0650461	.0219816
c.timew1w3w4#c.invmlsCES	.0019232	.0032678	0.59	0.556	-.004482	.0083285
timew1w3w4	0	(omitted)				
1.w1smoke	1.199807	.3211394	3.74	0.000	.5688625	1.830751
w1smoke#c.timew1w3w4						
1	-.051291	.045446	-1.13	0.260	-.1406819	.0380999
timew1w3w4	0	(omitted)				
1.w1curdrugs	1.129113	.398415	2.83	0.006	.3374628	1.920764
w1curdrugs#c.timew1w3w4						
1	-.0384434	.0588667	-0.65	0.517	-.1570574	.0801707
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.024257	.0142936	-1.70	0.093	-.0526503	.0041363
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0024714	.0020588	-1.20	0.232	-.0065366	.0015938
timew1w3w4	0	(omitted)				
w1BMICent30	.0267872	.0200483	1.34	0.182	-.0125107	.0660852
c.timew1w3w4#c.w1BMICent30	-.0015727	.0027085	-0.58	0.561	-.0068816	.0037363
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.612412	.4443166	1.38	0.168	-.2584393	1.483263
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0229395	.0607114	0.38	0.706	-.0960531	.1419322
_cons	6.86098	.7367969	9.31	0.000	5.416252	8.305707

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.1740159	.049952	.0991335	.3054622
sd(_cons)	2.880542	.154527	2.593042	3.199918
corr(timew1w3w4,_cons)	-.4467872	.1074347	-.6314199	-.2142139
sd(Residual)	3.035977	.0775028	2.887776	3.191784

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235 .

236 . mi estimate: mixed CES_WB 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 & Race==2 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	2,286
Group variable: HNDID	Number of groups	=	830
	Obs per group:		
	min	=	1
	avg	=	2.8
	max	=	3
	Average RVI	=	0.0500
	Largest FMI	=	0.2471
DF adjustment: Large sample	DF: min	=	77.06
	avg	=	1.18e+08
	max	=	3.30e+09
Model F test: Equal FMI	F(23,26741.4)	=	5.82
	Prob > F	=	0.0000

CES_WB	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0454091	.0665568	-0.68	0.495	-.1758598	.0850417
w1Agecent48	.0222931	.0094111	2.37	0.018	.003847	.0407391
c.timew1w3w4#c.w1Agecent48	-.0023684	.0015065	-1.57	0.116	-.0053214	.0005845
timew1w3w4	0	(omitted)				
Sex						
Men	.4021895	.1804139	2.23	0.026	.0485847	.7557944
Sex#c.timew1w3w4						
Men	.0331894	.0280837	1.18	0.237	-.0218536	.0882325
timew1w3w4	0	(omitted)				
Race						
AfrAm	0	(omitted)				
Race#c.timew1w3w4						
AfrAm	0	(omitted)				
timew1w3w4	0	(omitted)				
PovStat						
Below	-.054365	.1723241	-0.32	0.752	-.3921232	.2833931
PovStat#c.timew1w3w4						
Below	-.0863537	.0268737	-3.21	0.001	-.1390253	-.0336821
timew1w3w4	0	(omitted)				
w1edubr						
2	.8447025	.4080671	2.07	0.038	.0448711	1.644534
3	1.001859	.4184408	2.39	0.017	.1817272	1.82199

wledubr#c.timew1w3w4							
2	-.0608711	.0637872	-0.95	0.340	-.1858933	.0641511	
3	.0005165	.0659296	0.01	0.994	-.1287051	.1297382	
timew1w3w4	0	(omitted)					
inv millsCES	.0028796	.0129178	0.22	0.824	-.0224388	.028198	
c.timew1w3w4#c.inv millsCES	.0010718	.0021832	0.49	0.623	-.0032072	.0053507	
timew1w3w4	0	(omitted)					
1.w1smoke	-.4533657	.1939187	-2.34	0.020	-.8359483	-.070783	
w1smoke#c.timew1w3w4							
1	.0004577	.0296575	0.02	0.988	-.057722	.0586374	
timew1w3w4	0	(omitted)					
1.w1currrdrugs	-.5181836	.2354585	-2.20	0.031	-.987035	-.0493321	
w1currrdrugs#c.timew1w3w4							
1	.0604103	.0360633	1.68	0.096	-.0108202	.1316409	
timew1w3w4	0	(omitted)					
w1hei2010_total_scorecent43	.0111908	.0079576	1.41	0.160	-.004452	.0268337	
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0011082	.0013725	-0.81	0.420	-.0038153	.0015989	
timew1w3w4	0	(omitted)					
w1BM Icent30	-.0070659	.0116288	-0.61	0.543	-.0298612	.0157295	
c.timew1w3w4#c.w1BM Icent30	-.0001824	.0018169	-0.10	0.920	-.0037435	.0033788	
timew1w3w4	0	(omitted)					
Lnw1HCyscenter2p15	-.3528523	.2565641	-1.38	0.169	-.8557089	.1500043	
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0093028	.0408955	0.23	0.820	-.070851	.0894566	
_cons	9.328212	.4203884	22.19	0.000	8.504251	10.15217	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.1023927	.0400953	.0475267	.220597
sd(_cons)	1.340593	.1220204	1.121552	1.602414
corr(timew1w3w4,_cons)	.5607964	.5503465	-.7350479	.9761051
sd(Residual)	2.056024	.0532684	1.954226	2.163125

```

238 .
239 . *****INTERACTION BY RACE*****
240 .
241 .
242 . //MODEL 1: INCLUDE ONLY AGE, SEX, RACE AND POVERTY STATUS///
243 . mi estimate: mixed CES c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovStat
> c.timew1w3w4#c.Lnw1HCyscenter2p15##Race ///
> 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       =    4.22e+65
                                max       =          .
Model F test: Equal FMI          F( 15, 6.5e+64) =    8.92
                                Prob > F      =    0.0000

```

CES	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.2059797	.0637142	-3.23	0.001	-.3308573	-.0811021
w1Agecent48	-.1153638	.0311407	-3.70	0.000	-.1763984	-.0543292
c.timew1w3w4#c.w1Agecent48	.0017253	.0037033	0.47	0.641	-.005533	.0089837
timew1w3w4	0 (omitted)					
Sex						
Men	-2.701741	.5873464	-4.60	0.000	-3.852919	-1.550564
Sex#c.timew1w3w4						
Men	.0748305	.0691023	1.08	0.279	-.0606074	.2102685
timew1w3w4	0 (omitted)					
Race						
AfrAm	-1.537432	.5643155	-2.72	0.006	-2.64347	-.4313936
Race#c.timew1w3w4						
AfrAm	.0941063	.0672397	1.40	0.162	-.0376812	.2258937
timew1w3w4	0 (omitted)					
PovStat						
Below	4.224078	.5833674	7.24	0.000	3.080698	5.367457
PovStat#c.timew1w3w4						
Below	-.0049835	.067768	-0.07	0.941	-.1378063	.1278394
timew1w3w4	0 (omitted)					
invmlsCES	-.0063358	.0252	-0.25	0.801	-.055727	.0430553
c.timew1w3w4#c.invmlsCES	-.001904	.0027803	-0.68	0.493	-.0073533	.0035453
timew1w3w4	0 (omitted)					

Lnw1HCyscenter2p15	1.83607	1.413244	1.30	0.194	-.933838	4.605979
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.1753683	.1753987	-1.00	0.317	-.5191435	.1684069
Race#c.Lnw1HCyscenter2p15 AfrAm	.8174628	1.74985	0.47	0.640	-2.612179	4.247105
Race#c.timew1w3w4#c.Lnw1HCyscenter2p15 AfrAm	.0899918	.2126085	0.42	0.672	-.3267132	.5066968
_cons	14.87368	.5222493	28.48	0.000	13.85009	15.89727

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.1980803	.1809196	.0330661	1.186586
sd(_cons)	8.29703	.2674013	7.789143	8.838034
corr(timew1w3w4,_cons)	-.315337	.1976209	-.6390454	.1032675
sd(Residual)	7.107265	.136146	6.845371	7.379179

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

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

> 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(15, 5.8e+63) = 9.98

Prob > F = 0.0000

CES_DA	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.1038004	.0278257	-3.73	0.000	-.1583379	-.0492629
w1Agecent48	-.0356893	.0136012	-2.62	0.009	-.0623472	-.0090314
c.timew1w3w4#c.w1Agecent48	-.0014047	.0016173	-0.87	0.385	-.0045746	.0017652
timew1w3w4	0 (omitted)					
Sex						
Men	-1.48154	.2564396	-5.78	0.000	-1.984153	-.978928
Sex#c.timew1w3w4						
Men	.0609394	.0301952	2.02	0.044	.001758	.1201209
timew1w3w4	0 (omitted)					

Race							
AfrAm	-.5580684	.2464263	-2.26	0.024	-1.041055	-.0750817	
Race#c.timew1w3w4							
AfrAm	.0064507	.0293962	0.22	0.826	-.0511649	.0640663	
timew1w3w4	0	(omitted)					
PovStat							
Below	1.684208	.2548317	6.61	0.000	1.184747	2.183669	
PovStat#c.timew1w3w4							
Below	-.0182754	.0296523	-0.62	0.538	-.0763928	.0398421	
timew1w3w4	0	(omitted)					
invmillscES	-.0095545	.0110218	-0.87	0.386	-.0311567	.0120477	
c.timew1w3w4#c.invmillscES	.000695	.0012221	0.57	0.570	-.0017003	.0030904	
timew1w3w4	0	(omitted)					
Lnw1HCyscenter2p15	.5521942	.6164848	0.90	0.370	-.6560939	1.760482	
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0831103	.0764634	-1.09	0.277	-.2329758	.0667552	
Race#c.Lnw1HCyscenter2p15							
AfrAm	.6484483	.7639944	0.85	0.396	-.8489532	2.14585	
Race#c.timew1w3w4#c.Lnw1HCyscenter2p15							
AfrAm	.0229332	.0928653	0.25	0.805	-.1590796	.2049459	
_cons	4.813963	.2280875	21.11	0.000	4.36692	5.261006	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3w4)	.0583164	.	.
sd(_cons)	3.5905	.	.
corr(timew1w3w4,_cons)	-1	.	.
sd(Residual)	3.161705	.	.

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

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

> 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(15, 1.2e+66) = **4.42**Prob > F = **0.0000**

CES_IP	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0070686	.0087581	-0.81	0.420	-.0242342	.010097
w1Agecent48	-.0115736	.0036486	-3.17	0.002	-.0187246	-.0044226
c.timew1w3w4#c.w1Agecent48	-.0000644	.0005091	-0.13	0.899	-.0010622	.0009333
timew1w3w4	0 (omitted)					
Sex						
Men	.0894903	.0687854	1.30	0.193	-.0453267	.2243072
Sex#c.timew1w3w4						
Men	-.0133337	.0095055	-1.40	0.161	-.0319641	.0052966
timew1w3w4	0 (omitted)					
Race						
AfrAm	.0189819	.0661163	0.29	0.774	-.1106036	.1485674
Race#c.timew1w3w4						
AfrAm	.0025395	.0092555	0.27	0.784	-.0156011	.02068
timew1w3w4	0 (omitted)					
PovStat						
Below	.3264109	.0684331	4.77	0.000	.1922845	.4605373
PovStat#c.timew1w3w4						
Below	-.0017622	.0093359	-0.19	0.850	-.0200602	.0165358
timew1w3w4	0 (omitted)					
invmlsCES	.0019249	.0029695	0.65	0.517	-.0038952	.0077449
c.timew1w3w4#c.invmlsCES	-.0003573	.0003852	-0.93	0.354	-.0011123	.0003978
timew1w3w4	0 (omitted)					
Lnw1HCyscenter2p15	.1324343	.1651617	0.80	0.423	-.1912767	.4561452
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0112476	.0240696	-0.47	0.640	-.0584231	.035928
Race#c.Lnw1HCyscenter2p15						
AfrAm	-.0761286	.2048638	-0.37	0.710	-.4776543	.3253971
Race#c.timew1w3w4#c.Lnw1HCyscenter2p15						
AfrAm	.0127978	.0292383	0.44	0.662	-.0445083	.0701039
_cons	.7758689	.061106	12.70	0.000	.6561034	.8956344

PovStat#c.timew1w3w4 Below	-.0194913	.0297386	-0.66	0.512	-.0777779	.0387954
timew1w3w4 invmlsCES	0 (omitted)					
c.timew1w3w4#c.invmlsCES	-.004611	.0099631	-0.46	0.644	-.0241383	.0149164
c.timew1w3w4#c.c.invmlsCES	-.0008292	.0012239	-0.68	0.498	-.0032281	.0015696
timew1w3w4 Lnw1HCyscenter2p15	0 (omitted)					
c.timew1w3w4#c.Lnw1HCyscenter2p15	.547557	.5564032	0.98	0.325	-.5429732	1.638087
Race#c.Lnw1HCyscenter2p15 AfrAm	-.0407268	.0766567	-0.53	0.595	-.1909711	.1095176
Race#c.Lnw1HCyscenter2p15 AfrAm	.3876268	.6896975	0.56	0.574	-.9641554	1.739409
Race#c.timew1w3w4#c.Lnw1HCyscenter2p15 AfrAm	.0455528	.0930932	0.49	0.625	-.1369065	.2280122
_cons	6.649796	.2058397	32.31	0.000	6.246357	7.053234

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.1385474	.0480047	.0702537	.2732296
sd(_cons)	3.080273	.1143671	2.864079	3.312786
corr(timew1w3w4,_cons)	-.3631027	.1062387	-.5513379	-.1396896
sd(Residual)	3.055557	.0573992	2.945103	3.170154

255 .
256 .
257 .

258 . mi estimate: mixed CES_WB c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovSt
> c.timew1w3w4##c.Lnw1HCyscenter2p15##Race ///
> 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	=	2.09e+67
	avg	=	1.84e+70
	max	=	.
Model F test: Equal FMI	F(15, 5.2e+69)	=	8.43
	Prob > F	=	0.0000

CES_WB	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	.0035063	.0189658	0.18	0.853	-.033666	.0406786
w1Agecent48	.024112	.0072328	3.33	0.001	.009936	.0382879
c.timew1w3w4#c.w1Agecent48	-.0021782	.0011011	-1.98	0.048	-.0043363	-.00002
timew1w3w4	0	(omitted)				
Sex						
Men	.3366519	.1363559	2.47	0.014	.0693992	.6039046
Sex#c.timew1w3w4						
Men	.0004836	.020554	0.02	0.981	-.0398016	.0407688
timew1w3w4	0	(omitted)				
Race						
AfrAm	.7558367	.1310748	5.77	0.000	.4989349	1.012739
Race#c.timew1w3w4						
AfrAm	-.0791219	.0199821	-3.96	0.000	-.1182861	-.0399577
timew1w3w4	0	(omitted)				
PovStat						
Below	-.5381077	.135687	-3.97	0.000	-.8040494	-.2721661
PovStat#c.timew1w3w4						
Below	-.037057	.0201613	-1.84	0.066	-.0765725	.0024585
timew1w3w4	0	(omitted)				
invmillscES	-.00612	.0058929	-1.04	0.299	-.0176698	.0054298
c.timew1w3w4#c.invmillscES	.0014318	.0008265	1.73	0.083	-.000188	.0030516
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	-.5121784	.3275299	-1.56	0.118	-1.154125	.1297684
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0371234	.0521805	0.71	0.477	-.0651486	.1393953
Race#c.Lnw1HCyscenter2p15						
AfrAm	.0507716	.4062243	0.12	0.901	-.7454133	.8469565
Race#c.timew1w3w4#c.Lnw1HCyscenter2p15						
AfrAm	-.0021394	.0632833	-0.03	0.973	-.1261723	.1218935
_cons	9.347107	.1211394	77.16	0.000	9.109678	9.584536

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0748371	.0427516	.0244264	.229285
sd(_cons)	1.534003	.0856078	1.375066	1.711312
corr(timew1w3w4,_cons)	.7520293	.6973663	-.9741838	.9994762
sd(Residual)	2.085812	.0402352	2.008425	2.166182


```

259 .
260 .
261 . save "finaldata_imputed_FINAL.dta", replace
    file finaldata_imputed_FINAL.dta saved

262 .
263 .
264 .
265 . //MODEL 2: FULL MODEL///
266 .
267 . mi estimate: mixed CES 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##Race ///
    > 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      =    0.0710
                                Largest FMI       =    0.3211
DF adjustment: Large sample      DF:      min      =    46.70
                                    avg           = 526,818.62
                                    max           = 5081371.29
Model F test: Equal FMI          F( 27,17375.0) =      8.48
                                Prob > F         =    0.0000

```

CES	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.2845379	.1557286	-1.83	0.068	-.5897675	.0206917
w1Agecent48	-.0847731	.0310465	-2.73	0.006	-.1456243	-.023922
c.timew1w3w4#c.w1Agecent48	.001015	.0038039	0.27	0.790	-.0064406	.0084705
timew1w3w4	0 (omitted)					
Sex						
Men	-3.085422	.586049	-5.26	0.000	-4.234078	-1.936766
Sex#c.timew1w3w4						
Men	.0934545	.0708462	1.32	0.187	-.0454055	.2323145
timew1w3w4	0 (omitted)					
Race						
AfrAm	-1.689382	.5568189	-3.03	0.002	-2.780761	-.5980032
Race#c.timew1w3w4						
AfrAm	.0831043	.0684273	1.21	0.225	-.0510124	.2172209
timew1w3w4	0 (omitted)					
PovStat						
Below	2.950195	.5954082	4.95	0.000	1.78311	4.117279
PovStat#c.timew1w3w4						
Below	.0115427	.0714841	0.16	0.872	-.1285666	.1516521

timew1w3w4	0	(omitted)					
wledubr							
2	-1.307338	1.169528	-1.12	0.264	-3.600746	.9860702	
3	-3.547191	1.225293	-2.89	0.004	-5.949907	-1.144475	
wledubr#c.timew1w3w4							
2	.1538673	.1468282	1.05	0.295	-.1339183	.4416528	
3	.0983724	.1530555	0.64	0.520	-.2016114	.3983562	
timew1w3w4	0	(omitted)					
inv millsCES	-.0056028	.0245886	-0.23	0.820	-.0537955	.0425899	
c.timew1w3w4#c.inv millsCES	-.0014532	.0027944	-0.52	0.603	-.00693	.0040237	
timew1w3w4	0	(omitted)					
1.w1smoke	1.856709	.6224767	2.98	0.003	.6320623	3.081356	
w1smoke#c.timew1w3w4							
1	-.0373312	.0794869	-0.47	0.639	-.1932919	.1186295	
timew1w3w4	0	(omitted)					
1.w1currrdrugs	2.743498	.8182534	3.35	0.001	1.106052	4.380944	
w1currrdrugs#c.timew1w3w4							
1	-.1611244	.1076075	-1.50	0.140	-.3771551	.0549064	
timew1w3w4	0	(omitted)					
w1hei2010_total_scorecent43	-.0570573	.026325	-2.17	0.035	-.1100253	-.0040892	
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0007562	.0033077	-0.23	0.819	-.0072645	.0057521	
timew1w3w4	0	(omitted)					
w1BM Icent30	.0651913	.0384799	1.69	0.090	-.0102365	.140619	
c.timew1w3w4#c.w1BM Icent30	.0017556	.0046962	0.37	0.709	-.0074489	.0109601	
timew1w3w4	0	(omitted)					
Lnw1HCyscenter2p15	1.233302	1.380499	0.89	0.372	-1.472428	3.939031	
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.2006782	.1775954	-1.13	0.258	-.5487616	.1474052	
Race#c.Lnw1HCyscenter2p15							
AfrAm	.9678179	1.705572	0.57	0.570	-2.375043	4.310679	
Race#c.timew1w3w4#c.Lnw1HCyscenter2p15							
AfrAm	.1280754	.2144295	0.60	0.550	-.2922027	.5483535	
_cons	16.33766	1.22418	13.35	0.000	13.93773	18.7376	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.2030138	.1787284	.0361529	1.140008
sd(_cons)	7.924611	.2680217	7.416329	8.467729
corr(timew1w3w4,_cons)	-.3172683	.1945328	-.636683	.0950742
sd(Residual)	7.110046	.1374829	6.845588	7.384721

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270 . 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##Race ///

> if sample4obs==1 || HNDID: timew1w3w4

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 = 0.0625

Largest FMI = 0.4447

DF adjustment: Large sample

DF: min = 24.79

avg = 7.63e+10

max = 2.37e+12

Model F test: Equal FMI

F(27,22845.7) = 7.83

Prob > F = 0.0000

CES_DA	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.1412663	.0683002	-2.07	0.039	-.2751364	-.0073961
w1Agecent48	-.0238622	.0131762	-1.81	0.070	-.0496874	.001963
c.timew1w3w4#c.w1Agecent48	-.0016927	.0016658	-1.02	0.310	-.0049576	.0015722
timew1w3w4	0	(omitted)				
Sex						
Men	-1.629291	.2482492	-6.56	0.000	-2.115854	-1.142728
Sex#c.timew1w3w4						
Men	.0713004	.0309895	2.30	0.021	.0105613	.1320394
timew1w3w4	0	(omitted)				
Race						
AfrAm	-.630759	.2356613	-2.68	0.007	-1.09265	-.1688682
Race#c.timew1w3w4						
AfrAm	.0019022	.0299622	0.06	0.949	-.0568229	.0606273
timew1w3w4	0	(omitted)				
PovStat						
Below	1.227516	.2527241	4.86	0.000	.7321437	1.722887
PovStat#c.timew1w3w4						
Below	-.0043392	.0312976	-0.14	0.890	-.0656819	.0570036
timew1w3w4	0	(omitted)				
w1edubr						
2	-.3735468	.5020366	-0.74	0.457	-1.358664	.6115707
3	-1.198682	.5185918	-2.31	0.021	-2.215445	-.1819197
w1edubr#c.timew1w3w4						

	2	.0586917	.0644254	0.91	0.362	-.0675861	.1849695
	3	.0628823	.0673455	0.93	0.350	-.0691172	.1948818
	timew1w3w4	0	(omitted)				
	inv millsCES	-.0094307	.0104531	-0.90	0.367	-.0299184	.0110569
	c.timew1w3w4#c.inv millsCES	.0008471	.0012255	0.69	0.489	-.0015547	.003249
	timew1w3w4	0	(omitted)				
	1.w1smoke	.6751344	.2587508	2.61	0.009	.1674086	1.18286
	w1smoke#c.timew1w3w4						
	1	-.0298335	.0342428	-0.87	0.384	-.0969617	.0372947
	timew1w3w4	0	(omitted)				
	1.w1currrdrugs	1.181571	.3287496	3.59	0.000	.5318624	1.83128
	w1currrdrugs#c.timew1w3w4						
	1	-.0495535	.0451765	-1.10	0.276	-.1393694	.0402623
	timew1w3w4	0	(omitted)				
	w1hei2010_total_scorecent43	-.016977	.0122941	-1.38	0.180	-.0423079	.0083539
	c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0002	.0014767	-0.14	0.892	-.0031137	.0027137
	timew1w3w4	0	(omitted)				
	w1BM Icent30	.0258049	.0162342	1.59	0.112	-.0060141	.0576239
	c.timew1w3w4#c.w1BM Icent30	.0014178	.0020602	0.69	0.491	-.0026201	.0054557
	timew1w3w4	0	(omitted)				
	Lnw1HCyscenter2p15	.3381997	.5851222	0.58	0.563	-.8086192	1.485019
	c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0911088	.0777767	-1.17	0.241	-.2435491	.0613315
	Race#c.Lnw1HCyscenter2p15						
	AfrAm	.7001942	.7235814	0.97	0.333	-.718	2.118388
	Race#c.timew1w3w4#c.Lnw1HCyscenter2p15						
	AfrAm	.0395271	.0940056	0.42	0.674	-.1447221	.2237763
	_cons	5.230202	.5196935	10.06	0.000	4.21139	6.249014

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3w4)	3.67e-06	.0005561	5.2e-135	2.6e+123
sd(_cons)	3.247595	.0835827	3.087838	3.415616
sd(Residual)	3.171126	.0446724	3.084762	3.259908

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274 . mi estimate: mixed CES_IP 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##Race ///
> 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(27,61419.2)	=	3.51
	Prob > F	=	0.0000

CES_IP	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0127533	.0213436	-0.60	0.550	-.0545862	.0290796
w1Agecent48	-.0094171	.0037091	-2.54	0.011	-.0166868	-.0021474
c.timew1w3w4#c.w1Agecent48	-.0001747	.0005224	-0.33	0.738	-.0011986	.0008491
timew1w3w4	0	(omitted)				
Sex						
Men	.0640965	.0699601	0.92	0.360	-.0730243	.2012173
Sex#c.timew1w3w4						
Men	-.0116317	.0097154	-1.20	0.231	-.0306736	.0074103
timew1w3w4	0	(omitted)				
Race						
AfrAm	.0091722	.0664189	0.14	0.890	-.1210077	.1393521
Race#c.timew1w3w4						
AfrAm	.0023224	.0093956	0.25	0.805	-.0160926	.0207375
timew1w3w4	0	(omitted)				
PovStat						
Below	.2488841	.070846	3.51	0.000	.1100274	.3877408
PovStat#c.timew1w3w4						
Below	.0000709	.0098303	0.01	0.994	-.0191963	.0193381
timew1w3w4	0	(omitted)				
w1edubr						
2	-.0608854	.1393733	-0.44	0.662	-.3340959	.2123252
3	-.2452804	.1448445	-1.69	0.090	-.5291721	.0386112

wledubr#c.timew1w3w4						
2	.0076016	.0201	0.38	0.705	-.0317938	.046997
3	.0080747	.0211351	0.38	0.702	-.0333516	.0495011
timew1w3w4	0	(omitted)				
inv millsCES	.0021284	.0029527	0.72	0.471	-.0036588	.0079155
c.timew1w3w4#c.inv millsCES	-.0003379	.0003862	-0.87	0.382	-.0010948	.0004191
timew1w3w4	0	(omitted)				
1.w1smoke	.0333644	.0753139	0.44	0.658	-.114507	.1812358
w1smoke#c.timew1w3w4						
1	.0027495	.0106342	0.26	0.796	-.0180935	.0235925
timew1w3w4	0	(omitted)				
1.w1currrdrugs	.2191329	.0981185	2.23	0.028	.0240624	.4142033
w1currrdrugs#c.timew1w3w4						
1	-.0198396	.0132119	-1.50	0.134	-.0458142	.006135
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.0047739	.0033309	-1.43	0.158	-.0114672	.0019194
c.timew1w3w4#c.w1hei2010_total_scorecent43	.0001311	.0004745	0.28	0.783	-.0008094	.0010716
timew1w3w4	0	(omitted)				
w1BM Icent30	.0040624	.0046066	0.88	0.378	-.0049672	.013092
c.timew1w3w4#c.w1BM Icent30	7.46e-06	.0006454	0.01	0.991	-.0012575	.0012724
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.0922081	.1646637	0.56	0.575	-.2305273	.4149434
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0113814	.0243159	-0.47	0.640	-.0590396	.0362769
Race#c.Lnw1HCyscenter2p15						
AfrAm	-.0646676	.2036348	-0.32	0.751	-.4637845	.3344493
Race#c.timew1w3w4#c.Lnw1HCyscenter2p15						
AfrAm	.0144707	.0294074	0.49	0.623	-.0431668	.0721081
_cons	.8914233	.14664	6.08	0.000	.6039808	1.178866

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3w4)	.0072155	.	.
sd(_cons)	.8158749	.	.
corr(timew1w3w4,_cons)	-.9999973	.	.
sd(Residual)	1.001964	.	.

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278 . mi estimate: mixed CES_SC 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##Race ///
> 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	=	0.0544
	Largest FMI	=	0.3256
DF adjustment: Large sample	DF: min	=	45.48
	avg	=	511,260.29
	max	=	7033175.35
Model F test: Equal FMI	F(27,28815.7)	=	10.41
	Prob > F	=	0.0000

CES_SC	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.1335922	.0682865	-1.96	0.050	-.2674398	.0002554
w1Agecent48	-.031657	.0122173	-2.59	0.010	-.0556027	-.0077114
c.timew1w3w4#c.w1Agecent48	.0010185	.0016661	0.61	0.541	-.0022469	.004284
timew1w3w4	0	(omitted)				
Sex						
Men	-1.135574	.2305587	-4.93	0.000	-1.587466	-.6836817
Sex#c.timew1w3w4						
Men	.0314725	.0311233	1.01	0.312	-.0295305	.0924756
timew1w3w4	0	(omitted)				
Race						
AfrAm	-.3092598	.2192792	-1.41	0.158	-.739052	.1205324
Race#c.timew1w3w4						
AfrAm	.0019135	.0300162	0.06	0.949	-.0569182	.0607452
timew1w3w4	0	(omitted)				
PovStat						
Below	1.124973	.2345334	4.80	0.000	.6652631	1.584684
PovStat#c.timew1w3w4						
Below	-.0168989	.0313998	-0.54	0.590	-.0784426	.0446448
timew1w3w4	0	(omitted)				
w1edubr						
2	-.4549978	.4561787	-1.00	0.319	-1.34915	.4391541
3	-1.42723	.4843789	-2.95	0.003	-2.377018	-.477441

wledubr#c.timew1w3w4							
2	.0568725	.0644886	0.88	0.378	-.0695356	.1832807	
3	.0526736	.0671053	0.78	0.432	-.0788523	.1841994	
timew1w3w4	0	(omitted)					
inv millsCES	-.0043322	.0097074	-0.45	0.655	-.0233583	.0146939	
c.timew1w3w4#c.inv millsCES	-.0006384	.0012326	-0.52	0.605	-.0030542	.0017774	
timew1w3w4	0	(omitted)					
1.w1smoke	.8961105	.256174	3.50	0.001	.3906873	1.401534	
w1smoke#c.timew1w3w4							
1	-.0092413	.0348456	-0.27	0.791	-.077618	.0591353	
timew1w3w4	0	(omitted)					
1.w1currrdrugs	.8691995	.3055894	2.84	0.005	.2667901	1.471609	
w1currrdrugs#c.timew1w3w4							
1	-.026235	.0476553	-0.55	0.585	-.12219	.0697201	
timew1w3w4	0	(omitted)					
w1hei2010_total_scorecent43	-.024969	.0099769	-2.50	0.013	-.0446853	-.0052527	
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0012819	.0014452	-0.89	0.376	-.0041257	.0015618	
timew1w3w4	0	(omitted)					
w1BM Icent30	.0264968	.0151883	1.74	0.081	-.0032754	.0562691	
c.timew1w3w4#c.w1BM Icent30	.0005848	.0020662	0.28	0.777	-.003465	.0046346	
timew1w3w4	0	(omitted)					
Lnw1HCyscenter2p15	.296417	.5428116	0.55	0.585	-.7674748	1.360309	
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0555983	.0776541	-0.72	0.474	-.2077988	.0966022	
Race#c.Lnw1HCyscenter2p15							
AfrAm	.4506317	.6711676	0.67	0.502	-.864833	1.766096	
Race#c.timew1w3w4#c.Lnw1HCyscenter2p15							
AfrAm	.0612954	.0939044	0.65	0.514	-.1227551	.2453459	
_cons	7.177199	.4844738	14.81	0.000	6.227398	8.127	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.1437266	.0467928	.075927	.2720681
sd(_cons)	2.915678	.1155222	2.697825	3.151122
corr(timew1w3w4,_cons)	-.406065	.1023854	-.5857586	-.1883208
sd(Residual)	3.056429	.0577622	2.945277	3.171775

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282 . mi estimate: mixed CES_WB 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##Race ///
> 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	=	0.0672
	Largest FMI	=	0.2949
DF adjustment: Large sample	DF: min	=	54.99
	avg	=	1216047.94
	max	=	1.50e+07
Model F test: Equal FMI	F(27,18867.0)	=	6.69
	Prob > F	=	0.0000

CES_WB	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0125863	.0462243	-0.27	0.785	-.1031898	.0780172
w1Agecent48	.0184712	.0073146	2.53	0.012	.0041347	.0328077
c.timew1w3w4#c.w1Agecent48	-.0018628	.001132	-1.65	0.100	-.0040816	.000356
timew1w3w4	0 (omitted)					
Sex						
Men	.4103098	.1379057	2.98	0.003	.1400171	.6806026
Sex#c.timew1w3w4						
Men	-.0038092	.0209363	-0.18	0.856	-.0448437	.0372254
timew1w3w4	0 (omitted)					
Race						
AfrAm	.768776	.1312228	5.86	0.000	.5115771	1.025975
Race#c.timew1w3w4						
AfrAm	-.0766413	.0202368	-3.79	0.000	-.1163049	-.0369778
timew1w3w4	0 (omitted)					
PovStat						
Below	-.3311813	.1402092	-2.36	0.018	-.6059974	-.0563652
PovStat#c.timew1w3w4						
Below	-.0311911	.0211872	-1.47	0.141	-.072718	.0103358
timew1w3w4	0 (omitted)					
w1edubr						
2	.3157736	.2739279	1.15	0.249	-.2211464	.8526936
3	.5705756	.2874064	1.99	0.047	.007236	1.133915

wledubr#c.timew1w3w4						
2	-.0200316	.0435219	-0.46	0.645	-.1053368	.0652737
3	.039225	.0454184	0.86	0.388	-.0497947	.1282447
timew1w3w4	0	(omitted)				
inv millsCES	-.0061502	.0058324	-1.05	0.292	-.0175816	.0052812
c.timew1w3w4#c.inv millsCES	.001301	.0008272	1.57	0.116	-.0003203	.0029222
timew1w3w4	0	(omitted)				
1.w1smoke	-.2821467	.1516468	-1.86	0.064	-.5804733	.0161799
w1smoke#c.timew1w3w4						
1	-.0025846	.0247228	-0.10	0.917	-.0513895	.0462203
timew1w3w4	0	(omitted)				
1.w1currrdrugs	-.4960876	.200767	-2.47	0.017	-.8984351	-.09374
w1currrdrugs#c.timew1w3w4						
1	.0571006	.0305614	1.87	0.065	-.0037178	.117919
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	.0148026	.0058646	2.52	0.012	.0032762	.026329
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0007897	.0010145	-0.78	0.438	-.0027988	.0012194
timew1w3w4	0	(omitted)				
w1BM Icent30	-.0103363	.0090703	-1.14	0.254	-.0281148	.0074422
c.timew1w3w4#c.w1BM Icent30	.0002347	.0013891	0.17	0.866	-.002488	.0029573
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	-.3981259	.3245946	-1.23	0.220	-1.03432	.2380679
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0387183	.0526811	0.73	0.462	-.0645361	.1419726
Race#c.Lnw1HCyscenter2p15						
AfrAm	.0271168	.4015459	0.07	0.946	-.7598988	.8141323
Race#c.timew1w3w4#c.Lnw1HCyscenter2p15						
AfrAm	-.0080956	.0634705	-0.13	0.899	-.1324956	.1163044
_cons	9.057319	.2876968	31.48	0.000	8.493436	9.621203

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0712329	.0450639	.0206148	.2461405
sd(_cons)	1.48138	.0871473	1.320053	1.662422
corr(timew1w3w4,_cons)	.794035	.9775145	-.9994539	.9999928
sd(Residual)	2.085636	.0402907	2.008143	2.16612

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286 . *****BY ANXIETY STATUS*****
287 .
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291 . *****NON-ANXIOUS*****
292 .
293 . //MODEL 1: INCLUDE ONLY AGE, SEX, RACE AND POVERTY STATUS///
294 .
295 . mi estimate: mixed CES c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovStat
> c.timew1w3w4##c.Lnw1HCyscenter2p15 ///
> if sample4obs==1 & w1ANXIETYbr==1 || HNDID: timew1w3w4

```

```

Multiple-imputation estimates      Imputations      =      5
Mixed-effects ML regression      Number of obs    =    1,678

Group variable: HNDID              Number of groups =    610
                                   Obs per group:
                                   min =      1
                                   avg =     2.8
                                   max =      3
                                   Average RVI      =    0.0000
                                   Largest FMI       =    0.0000
DF adjustment: Large sample      DF: min        =    3.39e+57
                                   avg              =    1.50e+66
                                   max              =      .
Model F test: Equal FMI          F( 13, 1.5e+65) =    2.74
                                   Prob > F        =    0.0007

```

CES	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	.1037292	.0860856	1.20	0.228	-.0649955	.272454
w1Agecent48	-.0364892	.035438	-1.03	0.303	-.1059463	.032968
c.timew1w3w4#c.w1Agecent48	.0007252	.0048165	0.15	0.880	-.0087151	.0101654
timew1w3w4	0	(omitted)				
Sex						
Men	-.1163424	.6529592	-0.18	0.859	-1.396119	1.163434
Sex#c.timew1w3w4						
Men	-.099597	.0890192	-1.12	0.263	-.2740715	.0748775
timew1w3w4	0	(omitted)				
Race						
AfrAm	.9614928	.6548538	1.47	0.142	-.3219971	2.244983
Race#c.timew1w3w4						
AfrAm	.024294	.0897661	0.27	0.787	-.1516444	.2002323
timew1w3w4	0	(omitted)				
PovStat						
Below	1.296049	.6994121	1.85	0.064	-.0747734	2.666872
PovStat#c.timew1w3w4						
Below	.1658171	.0935052	1.77	0.076	-.0174496	.3490839

Race						
AfrAm	.2770483	.2543558	1.09	0.276	-.2214798	.7755765
Race#c.timew1w3w4						
AfrAm	-.0134597	.038043	-0.35	0.723	-.0880227	.0611033
timew1w3w4	0	(omitted)				
PovStat						
Below	.6187973	.272052	2.27	0.023	.0855852	1.152009
PovStat#c.timew1w3w4						
Below	.0214367	.039645	0.54	0.589	-.056266	.0991393
timew1w3w4	0	(omitted)				
invmlsCES	.0203949	.0286548	0.71	0.477	-.0357675	.0765572
c.timew1w3w4#c.invmlsCES	-.0011271	.0043574	-0.26	0.796	-.0096675	.0074133
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.0522225	.3975858	0.13	0.895	-.7270313	.8314764
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0286922	.0596547	0.48	0.631	-.088229	.1456133
_cons	1.910603	.2406061	7.94	0.000	1.439023	2.382182

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0749387	.0213589	.0428646	.1310129
sd(_cons)	1.837062	.1248968	1.607878	2.098914
corr(timew1w3w4,_cons)	.9999984	.0004837	-1	1
sd(Residual)	2.571156	.0557391	2.464198	2.682757

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302 . 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 & w1ANXIETYbr==1 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates

Imputations = 5

Mixed-effects ML regression

Number of obs = 1,684

Group variable: HNDID

Number of groups = 610

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, 7.2e+69) = 2.48

Prob > F = 0.0022

CES_IP	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.003391	.0110764	-0.31	0.759	-.0251005	.0183184
w1Agecent48	-.0045191	.0041731	-1.08	0.279	-.0126982	.0036599
c.timew1w3w4#c.w1Agecent48	.0001561	.0006199	0.25	0.801	-.0010589	.0013711
timew1w3w4	0	(omitted)				
Sex						
Men	.2046637	.0768613	2.66	0.008	.0540183	.3553091
Sex#c.timew1w3w4						
Men	-.0191186	.0114709	-1.67	0.096	-.0416012	.003364
timew1w3w4	0	(omitted)				
Race						
AfrAm	-.0123648	.077065	-0.16	0.873	-.1634094	.1386797
Race#c.timew1w3w4						
AfrAm	.0139855	.0115683	1.21	0.227	-.0086879	.0366589
timew1w3w4	0	(omitted)				
PovStat						
Below	.1573035	.0824889	1.91	0.057	-.0043717	.3189788
PovStat#c.timew1w3w4						
Below	.0122843	.0120566	1.02	0.308	-.0113461	.0359147
timew1w3w4	0	(omitted)				
invmillscES	-.002963	.0086971	-0.34	0.733	-.020009	.014083
c.timew1w3w4#c.invmillscES	.0002052	.0013411	0.15	0.878	-.0024233	.0028338
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	-.0387356	.1205338	-0.32	0.748	-.2749776	.1975064
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0430552	.0181528	2.37	0.018	.0074763	.078634
_cons	.4074102	.0728676	5.59	0.000	.2645924	.5502281

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0030365	.	.	.
sd(_cons)	.5278934	.	.	.
corr(timew1w3w4,_cons)	.9999999	.	.	.
sd(Residual)	.8050968	.	.	.

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306 . mi estimate: mixed CES_SC c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovSt

> c.timew1w3w4##c.Lnw1HCyscenter2p15 ///
 > if sample4obs==1 & w1ANXIETYbr==1 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	1,684
Group variable: HNDID	Number of groups	=	610
	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, 2.2e+65)	=	1.97
	Prob > F	=	0.0191

CES_SC	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	.0142005	.0390565	0.36	0.716	-.0623488	.0907499
w1Agecent48	-.0080581	.0153786	-0.52	0.600	-.0381996	.0220834
c.timew1w3w4#c.w1Agecent48	.0004687	.0021828	0.21	0.830	-.0038095	.0047469
timew1w3w4	0	(omitted)				
Sex						
Men	.0717302	.2832627	0.25	0.800	-.4834544	.6269149
Sex#c.timew1w3w4						
Men	-.0286769	.0404086	-0.71	0.478	-.1078763	.0505225
timew1w3w4	0	(omitted)				
Race						
AfrAm	.6808653	.2840462	2.40	0.017	.1241449	1.237586
Race#c.timew1w3w4						
AfrAm	-.0127429	.0407324	-0.31	0.754	-.092577	.0670911
timew1w3w4	0	(omitted)				
PovStat						
Below	.4803198	.3037595	1.58	0.114	-.1150378	1.075677
PovStat#c.timew1w3w4						
Below	.0493667	.0424378	1.16	0.245	-.0338099	.1325432
timew1w3w4	0	(omitted)				
invmillscES	.0277316	.0319959	0.87	0.386	-.0349792	.0904424
c.timew1w3w4#c.invmillscES	.0003835	.0046888	0.08	0.935	-.0088065	.0095734
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.8171605	.4439375	1.84	0.066	-.0529411	1.687262

c.timew1w3w4#c.Lnw1HCyscenter2p15	.0211188	.0638953	0.33	0.741	-.1041136	.1463513
_cons	3.966527	.2686849	14.76	0.000	3.439914	4.49314

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Unstructured					
sd(timew1w3w4)	.0432003
sd(_cons)	2.136759
corr(timew1w3w4,_cons)	.9999995
sd(Residual)	2.798352

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310 . 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 & w1ANXIETYbr==1 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	1,684
Group variable: HNDID	Number of groups	=	610
	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, .)	=	4.74
	Prob > F	=	0.0000

CES_WB	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0433225	.0266817	-1.62	0.104	-.0956177	.0089728
w1Agecent48	.0144235	.0086922	1.66	0.097	-.0026129	.0314599
c.timew1w3w4#c.w1Agecent48	-.0020486	.0014902	-1.37	0.169	-.0049694	.0008722
timew1w3w4	0 (omitted)					
Sex						
Men	.0531572	.1601196	0.33	0.740	-.2606714	.3669858
Sex#c.timew1w3w4						
Men	.033022	.0275997	1.20	0.232	-.0210725	.0871165
timew1w3w4	0 (omitted)					
Race						
AfrAm	-.024827	.1605886	-0.15	0.877	-.339575	.2899209
Race#c.timew1w3w4						
AfrAm	-.0377411	.0277846	-1.36	0.174	-.0921979	.0167158

CES	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	.2570609	.2568587	1.00	0.317	-.2463948	.7605166
w1Agecent48	-.0191197	.0353005	-0.54	0.588	-.0883089	.0500696
c.timew1w3w4#c.w1Agecent48	.0009659	.004921	0.20	0.844	-.0086794	.0106113
timew1w3w4	0	(omitted)				
Sex						
Men	-.623856	.6637005	-0.94	0.347	-1.924797	.6770847
Sex#c.timew1w3w4						
Men	-.0816052	.0922849	-0.88	0.377	-.262488	.0992777
timew1w3w4	0	(omitted)				
Race						
AfrAm	.8494929	.6496007	1.31	0.191	-.4238031	2.122789
Race#c.timew1w3w4						
AfrAm	-.0116563	.0915254	-0.13	0.899	-.191055	.1677424
timew1w3w4	0	(omitted)				
PovStat						
Below	.564885	.7066464	0.80	0.424	-.8202168	1.949987
PovStat#c.timew1w3w4						
Below	.1430585	.0956588	1.50	0.135	-.0444296	.3305465
timew1w3w4	0	(omitted)				
w1edubr						
2	-1.681632	1.664658	-1.01	0.312	-4.9445	1.581237
3	-2.270768	1.661554	-1.37	0.172	-5.527355	.9858182
w1edubr#c.timew1w3w4						
2	-.0895081	.2547505	-0.35	0.725	-.5888698	.4098537
3	-.2371293	.254147	-0.93	0.351	-.735293	.2610344
timew1w3w4	0	(omitted)				
invmillscES	.0323857	.0722285	0.45	0.654	-.1091819	.1739533
c.timew1w3w4#c.invmillsCES	-.0009548	.010355	-0.09	0.927	-.021253	.0193435
timew1w3w4	0	(omitted)				
1.w1smoke	1.256473	.7002616	1.79	0.073	-.117779	2.630725
w1smoke#c.timew1w3w4						
1	.1170085	.1031871	1.13	0.257	-.0857415	.3197586
timew1w3w4	0	(omitted)				
1.w1currdrugs	1.872896	.9478362	1.98	0.051	-.0098653	3.755657
w1currdrugs#c.timew1w3w4						
1	-.0703431	.1405906	-0.50	0.619	-.3514648	.2107785
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.0513226	.0288365	-1.78	0.078	-.1084513	.0058062

c.timew1w3w4#c.w1hei2010_total_scorecent43	.0010369	.00422	0.25	0.806	-.0072755	.0093493
timew1w3w4	0 (omitted)					
w1BMICent30	-.0322486	.0465766	-0.69	0.489	-.1235435	.0590464
c.timew1w3w4#c.w1BMICent30	.0095304	.0064779	1.47	0.141	-.003167	.0222278
timew1w3w4	0 (omitted)					
Lnw1HCyscenter2p15	.9183289	1.008367	0.91	0.362	-1.05807	2.894728
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0378673	.1417584	0.27	0.789	-.2399799	.3157145
_cons	9.284853	1.680037	5.53	0.000	5.991977	12.57773

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3w4)	.2457123	.1114136	.1010269	.5976084
sd(_cons)	5.134848	.2492441	4.668854	5.647352
sd(Residual)	5.944354	.1495883	5.65821	6.244968

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

> c.timew1w3w4##w1smoke c.timew1w3w4##w1currdrugs c.timew1w3w4##c.w1hei2010_total_scorecent43 ///

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

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

> if sample4obs==1 & w1ANXIETYbr==1 || HNDID: timew1w3w4

Multiple-imputation estimates

Imputations = 5

Mixed-effects ML regression

Number of obs = 1,684

Group variable: HNDID

Number of groups = 610

Obs per group:

min = 1

avg = 2.8

max = 3

Average RVI = 0.0422

Largest FMI = 0.2822

DF adjustment: Large sample

DF: min = 59.80

avg = 5.44e+07

max = 1.56e+09

Model F test: Equal FMI

F(25,43075.7) = 1.97

Prob > F = 0.0026

CES_DA	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	.0744293	.1080383	0.69	0.491	-.1373256	.2861842
w1Agecent48	-.0033942	.0147585	-0.23	0.818	-.0323207	.0255324
c.timew1w3w4#c.w1Agecent48	-.001687	.0020585	-0.82	0.412	-.0057217	.0023476
timew1w3w4	0 (omitted)					
Sex						
Men	-.528456	.2761673	-1.91	0.056	-1.069741	.0128286
Sex#c.timew1w3w4						

Men	- .0079889	.0386452	-0.21	0.836	-.0837358	.0677579
timew1w3w4	0	(omitted)				
Race						
AfrAm	.2130527	.2707564	0.79	0.431	-.3176343	.7437397
Race#c.timew1w3w4						
AfrAm	-.0206675	.0382485	-0.54	0.589	-.095635	.0542999
timew1w3w4	0	(omitted)				
PovStat						
Below	.4005247	.2948038	1.36	0.174	-.1772927	.9783422
PovStat#c.timew1w3w4						
Below	.0169891	.0400791	0.42	0.672	-.0615646	.0955428
timew1w3w4	0	(omitted)				
wledubr						
2	-.2054142	.6952759	-0.30	0.768	-1.568151	1.157323
3	-.3750249	.6963342	-0.54	0.590	-1.739815	.9897653
wledubr#c.timew1w3w4						
2	-.0214396	.1070186	-0.20	0.841	-.2312021	.1883229
3	-.0434157	.1066681	-0.41	0.684	-.2524858	.1656543
timew1w3w4	0	(omitted)				
inv millsCES	.0150607	.0302002	0.50	0.618	-.0441307	.0742521
c.timew1w3w4#c.inv millsCES	-.0012436	.004363	-0.29	0.776	-.0097953	.0073081
timew1w3w4	0	(omitted)				
1.w1smoke	.3955747	.3064211	1.29	0.198	-.2083616	.999511
w1smoke#c.timew1w3w4						
1	.0178432	.0430811	0.41	0.679	-.0667759	.1024623
timew1w3w4	0	(omitted)				
1.w1curdrugs	.812141	.3709122	2.19	0.029	.0836429	1.540639
w1curdrugs#c.timew1w3w4						
1	.0062213	.0590212	0.11	0.916	-.1118466	.1242892
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.0084671	.0123614	-0.68	0.495	-.0330257	.0160916
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0005693	.0018352	-0.31	0.757	-.0042078	.0030692
timew1w3w4	0	(omitted)				
w1BM Icent30	-.0249988	.0194374	-1.29	0.198	-.0630965	.0130989
c.timew1w3w4#c.w1BM Icent30	.0054336	.0027075	2.01	0.045	.0001269	.0107404
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	-.0241074	.4217201	-0.06	0.954	-.8506734	.8024587
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0113833	.0594464	0.19	0.848	-.105131	.1278976
_cons	2.115895	.7029307	3.01	0.003	.7381683	3.493622

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3w4)	2.83e-06	.0009469	8.9e-291	9.0e+278
sd(_cons)	2.046483	.0979532	1.863228	2.247761
sd(Residual)	2.595669	.0563713	2.487501	2.708541

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326 . mi estimate: mixed CES_IP 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 & w1ANXIETYbr==1 || HNDID: timew1w3w4

Multiple-imputation estimates

Imputations = 5

Mixed-effects ML regression

Number of obs = 1,684

Group variable: HNDID

Number of groups = 610

Obs per group:

min = 1

avg = 2.8

max = 3

Average RVI = 0.0318

Largest FMI = 0.1751

DF adjustment: Large sample

DF: min = 148.65

avg = 1.58e+11

max = 4.57e+12

Model F test: Equal FMI

F(25,73001.2) = 1.56

Prob > F = 0.0370

CES_IP	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0424239	.0332256	-1.28	0.202	-.1075449	.0226971
w1Agecent48	-.0036944	.0042809	-0.86	0.388	-.0120847	.004696
c.timew1w3w4#c.w1Agecent48	.0001487	.0006329	0.23	0.814	-.0010918	.0013892
timew1w3w4	0 (omitted)					
Sex						
Men	.1740862	.0801466	2.17	0.030	.0170006	.3311719
Sex#c.timew1w3w4						
Men	-.0180868	.0118718	-1.52	0.128	-.0413554	.0051818
timew1w3w4	0 (omitted)					
Race						
AfrAm	-.0090816	.0783179	-0.12	0.908	-.1625821	.1444188
Race#c.timew1w3w4						
AfrAm	.0107001	.0117573	0.91	0.363	-.0123438	.033744
timew1w3w4	0 (omitted)					
PovStat						
Below	.1398343	.0854286	1.64	0.102	-.027603	.3072717

PovStat#c.timew1w3w4						
Below	.0122495	.0123733	0.99	0.322	-.0120018	.0365008
timew1w3w4	0	(omitted)				
wledubr						
2	-.0956556	.20202	-0.47	0.636	-.4916088	.3002975
3	-.095487	.2026189	-0.47	0.637	-.4926127	.3016388
wledubr#c.timew1w3w4						
2	.0422798	.0328387	1.29	0.198	-.0220829	.1066425
3	.031263	.0327946	0.95	0.340	-.0330133	.0955394
timew1w3w4	0	(omitted)				
inv mills CES	-.0035326	.0087769	-0.40	0.687	-.020735	.0136699
c.timew1w3w4#c.inv mills CES	.0001479	.0013434	0.11	0.912	-.0024851	.0027809
timew1w3w4	0	(omitted)				
1.w1smoke	-.0632036	.0899311	-0.70	0.483	-.2404544	.1140471
w1smoke#c.timew1w3w4						
1	.0162275	.0132308	1.23	0.220	-.0097526	.0422075
timew1w3w4	0	(omitted)				
1.w1currrdrugs	.086899	.1113803	0.78	0.436	-.1323784	.3061763
w1currrdrugs#c.timew1w3w4						
1	-.0101471	.0171296	-0.59	0.555	-.0439961	.023702
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.0029837	.0035059	-0.85	0.396	-.0098976	.0039301
c.timew1w3w4#c.w1hei2010_total_scorecent43	.0004474	.0005348	0.84	0.403	-.000604	.0014988
timew1w3w4	0	(omitted)				
w1BM Icent30	-.0080487	.0056433	-1.43	0.154	-.0191095	.0030122
c.timew1w3w4#c.w1BM Icent30	.0006669	.0008343	0.80	0.424	-.0009683	.0023021
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	-.0420351	.122186	-0.34	0.731	-.2815153	.1974451
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0413641	.0182902	2.26	0.024	.0055159	.0772123
_cons	.5269723	.2049758	2.57	0.010	.1252206	.9287239

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3w4)	.0000124	.0014168	1.6e-102	9.61e+91
sd(_cons)	.5385338	.0295378	.483644	.5996531
sd(Residual)	.8033568	.017313	.7701306	.8380165

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330 . mi estimate: mixed CES_SC 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 & w1ANXIETYbr==1 || HNDID: timew1w3w4

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	1,684
Group variable: HNDID	Number of groups	=	610
	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(25,16666.0)	=	3.43
	Prob > F	=	0.0000

CES_SC	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	.073778	.1168113	0.63	0.528	-.1551781	.302734
w1Agecent48	-.0007496	.0157194	-0.05	0.962	-.0315597	.0300604
c.timew1w3w4#c.w1Agecent48	.0005286	.0022196	0.24	0.812	-.0038218	.004879
timew1w3w4	0	(omitted)				
Sex						
Men	-.0754924	.2968478	-0.25	0.799	-.6574214	.5064367
Sex#c.timew1w3w4						
Men	-.0271835	.0417978	-0.65	0.515	-.1091136	.0547466
timew1w3w4	0	(omitted)				
Race						
AfrAm	.6279375	.2892557	2.17	0.030	.0609576	1.194917
Race#c.timew1w3w4						
AfrAm	-.0281275	.0414527	-0.68	0.497	-.1093811	.0531261
timew1w3w4	0	(omitted)				
PovStat						
Below	.1207718	.3153987	0.38	0.702	-.4974622	.7390058
PovStat#c.timew1w3w4						
Below	.037421	.043262	0.86	0.387	-.0473712	.1222131
timew1w3w4	0	(omitted)				
w1edubr						
2	-.7653457	.7402771	-1.03	0.301	-2.216283	.685592
3	-1.198536	.7419136	-1.62	0.106	-2.652662	.2555901

wledubr#c.timew1w3w4							
2	-.0432933	.1156916	-0.37	0.708	-.2700639	.1834773	
3	-.0990951	.1155174	-0.86	0.391	-.3255227	.1273325	
timew1w3w4	0	(omitted)					
inv millsCES	.0211143	.0322715	0.65	0.513	-.0421386	.0843671	
c.timew1w3w4#c.inv millsCES	.0001781	.0047415	0.04	0.970	-.0091169	.0094731	
timew1w3w4	0	(omitted)					
1.w1smoke	.7463444	.3352082	2.23	0.028	.0829974	1.409692	
w1smoke#c.timew1w3w4							
1	.060455	.0459701	1.32	0.189	-.0297583	.1506682	
timew1w3w4	0	(omitted)					
1.w1currrdrugs	.4971407	.4124612	1.21	0.230	-.3172108	1.311492	
w1currrdrugs#c.timew1w3w4							
1	-.0192594	.0623174	-0.31	0.758	-.1433224	.1048037	
timew1w3w4	0	(omitted)					
w1hei2010_total_scorecent43	-.0296646	.0137301	-2.16	0.035	-.0571791	-.0021502	
c.timew1w3w4#c.w1hei2010_total_scorecent43	.0012516	.0019568	0.64	0.524	-.0026199	.0051232	
timew1w3w4	0	(omitted)					
w1BM Icent30	.0110247	.0208811	0.53	0.598	-.0299113	.0519606	
c.timew1w3w4#c.w1BM Icent30	.0023166	.0029356	0.79	0.430	-.0034375	.0080708	
timew1w3w4	0	(omitted)					
Lnw1HCyscenter2p15	.5986571	.4496557	1.33	0.183	-.282677	1.479991	
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0177729	.0642626	0.28	0.782	-.1081836	.1437293	
_cons	4.787893	.7504495	6.38	0.000	3.316998	6.258787	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3w4)	9.85e-07	.	.	.
sd(_cons)	2.135981	.1048996	1.939963	2.351804
sd(Residual)	2.802084	.0612725	2.684509	2.924808

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334 . mi estimate: mixed CES_WB 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 & w1ANXIETYbr==1 || HNDID: timew1w3w4, cov(un)

```

```

Multiple-imputation estimates      Imputations      =      5
Mixed-effects ML regression      Number of obs    =    1,684

Group variable: HNDID
                                Number of groups =    610
                                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( 25,15353.0) =    3.65
                                    Prob > F      =    0.0000

```

CES_WB	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.1447118	.0795145	-1.82	0.069	-.300569	.0111455
w1Agecent48	.0108458	.0087918	1.23	0.217	-.0063868	.0280783
c.timew1w3w4#c.w1Agecent48	-.002003	.0015251	-1.31	0.189	-.0049922	.0009863
timew1w3w4	0	(omitted)				
Sex						
Men	.1804592	.1648585	1.09	0.274	-.1426891	.5036074
Sex#c.timew1w3w4						
Men	.0265241	.0285277	0.93	0.352	-.0293893	.0824376
timew1w3w4	0	(omitted)				
Race						
AfrAm	-.0148553	.1612221	-0.09	0.927	-.3308677	.3011571
Race#c.timew1w3w4						
AfrAm	-.0318725	.0282473	-1.13	0.259	-.0872373	.0234922
timew1w3w4	0	(omitted)				
PovStat						
Below	.0645869	.1759617	0.37	0.714	-.2803204	.4094942
PovStat#c.timew1w3w4						
Below	-.0714176	.0297135	-2.40	0.016	-.1296554	-.0131798
timew1w3w4	0	(omitted)				
w1edubr						
2	.5879115	.4219946	1.39	0.164	-.2395631	1.415386
3	.6367746	.4204489	1.51	0.130	-.1874285	1.460978
w1edubr#c.timew1w3w4						
2	.0789358	.0784137	1.01	0.314	-.0747589	.2326305

3	.1265673	.0784335	1.61	0.107	-.0271689	.2803035
timew1w3w4	0 (omitted)					
invmillscES	.0009818	.0179938	0.05	0.956	-.0342859	.0362495
c.timew1w3w4#c.invmillscES	-.0000179	.0031651	-0.01	0.995	-.0062216	.0061857
timew1w3w4	0 (omitted)					
1.w1smoke	-.1548247	.1791105	-0.86	0.388	-.5065698	.1969204
w1smoke#c.timew1w3w4						
1	-.0241684	.0340968	-0.71	0.480	-.0918916	.0435548
timew1w3w4	0 (omitted)					
1.w1curdrugs	-.5175671	.2630534	-1.97	0.057	-1.05122	.0160855
w1curdrugs#c.timew1w3w4						
1	.0416731	.0416051	1.00	0.319	-.0407925	.1241386
timew1w3w4	0 (omitted)					
w1hei2010_total_scorecent43	.0118875	.0072238	1.65	0.101	-.0023577	.0261326
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.000048	.0012673	-0.04	0.970	-.0025375	.0024416
timew1w3w4	0 (omitted)					
w1BMICent30	.013367	.0115543	1.16	0.247	-.0092799	.036014
c.timew1w3w4#c.w1BMICent30	-.0013764	.0020063	-0.69	0.493	-.0053089	.0025562
timew1w3w4	0 (omitted)					
Lnw1HCyscenter2p15	-.3229303	.2507212	-1.29	0.198	-.8143422	.1684817
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0403778	.0438404	0.92	0.357	-.0455482	.1263039
_cons	10.1343	.4250975	23.84	0.000	9.300912	10.96769

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3w4)	.0982101	.	.
sd(_cons)	.8798212	.	.
corr(timew1w3w4,_cons)	1	.	.
sd(Residual)	1.78793	.	.

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340 . //MODEL 1: INCLUDE ONLY AGE, SEX, RACE AND POVERTY STATUS///

341 . mi estimate: mixed CES c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovStat

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

> if sample4obs==1 & w1ANXIETYbr==2 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	1,576
Group variable: HNDID	Number of groups	=	571
	Obs per group:		
	min	=	1
	avg	=	2.8
	max	=	3
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
DF adjustment: Large sample	DF: min	=	9.72e+63
	avg	=	9.72e+63
	max	=	.
Model F test: Equal FMI	F(13, 3.0e+66)	=	5.83
	Prob > F	=	0.0000

CES	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.344079	.1117756	-3.08	0.002	-.5631552	-.1250028
w1Agecent48	-.0179767	.0512186	-0.35	0.726	-.1183633	.0824099
c.timew1w3w4#c.w1Agecent48	-.0086754	.0069297	-1.25	0.211	-.0222574	.0049065
timew1w3w4	0 (omitted)					
Sex						
Men	-2.84996	.9768048	-2.92	0.004	-4.764462	-.9354575
Sex#c.timew1w3w4						
Men	.0729586	.1280718	0.57	0.569	-.1780576	.3239748
timew1w3w4	0 (omitted)					
Race						
AfrAm	-1.34081	.9082751	-1.48	0.140	-3.120996	.4393769
Race#c.timew1w3w4						
AfrAm	.1012879	.1201575	0.84	0.399	-.1342166	.3367923
timew1w3w4	0 (omitted)					
PovStat						
Below	4.768553	.9097713	5.24	0.000	2.985434	6.551672
PovStat#c.timew1w3w4						
Below	-.1045532	.119331	-0.88	0.381	-.3384375	.1293312
timew1w3w4	0 (omitted)					
invmlsCES	-.0014279	.0277645	-0.05	0.959	-.0558454	.0529896
c.timew1w3w4#c.invmlsCES	-.0034684	.0033592	-1.03	0.302	-.0100524	.0031156
timew1w3w4	0 (omitted)					
Lnw1HCyscenter2p15	4.015199	1.461419	2.75	0.006	1.15087	6.879528

c.timew1w3w4#c.Lnw1HCyscenter2p15	-.1775871	.1944972	-0.91	0.361	-.5587947	.2036205
_cons	19.31004	.8084456	23.89	0.000	17.72551	20.89456

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.3828591	.1796215	.1526479	.9602561
sd(_cons)	7.938292	.4646224	7.07794	8.903223
corr(timew1w3w4,_cons)	-.1820861	.2030828	-.5340713	.2236975
sd(Residual)	7.809664	.2336577	7.364872	8.281319

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344 . 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 & w1ANXIETYbr==2 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates Imputations = 5

Mixed-effects ML regression Number of obs = 1,579

Group variable: HNDID Number of groups = 571

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, 2.3e+64) = 7.39

Prob > F = 0.0000

CES_DA	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.1929192	.0488118	-3.95	0.000	-.2885886	-.0972498
w1Agecent48	.0132503	.023348	0.57	0.570	-.0325109	.0590115
c.timew1w3w4#c.w1Agecent48	-.0064295	.0030259	-2.12	0.034	-.0123601	-.0004988
timew1w3w4	0 (omitted)					
Sex						
Men	-1.677754	.4445389	-3.77	0.000	-2.549034	-.8064738
Sex#c.timew1w3w4						
Men	.0705436	.0558373	1.26	0.206	-.0388954	.1799827
timew1w3w4	0 (omitted)					
Race						
AfrAm	-.497138	.4139084	-1.20	0.230	-1.308384	.3141076
Race#c.timew1w3w4						
AfrAm	-.0011213	.0525823	-0.02	0.983	-.1041808	.1019381
timew1w3w4	0 (omitted)					

PovStat							
Below	1.960629	.4147241	4.73	0.000	1.147784	2.773473	
PovStat#c.timew1w3w4							
Below	-.0295548	.0522399	-0.57	0.572	-.1319431	.0728334	
timew1w3w4	0	(omitted)					
invmlsCES	-.0057055	.0126722	-0.45	0.653	-.0305426	.0191315	
c.timew1w3w4#c.invmlsCES	-.0001794	.0014757	-0.12	0.903	-.0030717	.0027129	
timew1w3w4	0	(omitted)					
Lnw1HCyscenter2p15	1.834463	.6655598	2.76	0.006	.5299895	3.138936	
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0949209	.0849241	-1.12	0.264	-.2613691	.0715273	
_cons	6.662186	.3683711	18.09	0.000	5.940192	7.38418	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0461136	.	.	.
sd(_cons)	3.595886	.	.	.
corr(timew1w3w4,_cons)	-1	.	.	.
sd(Residual)	3.600028	.	.	.

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348 . 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 & w1ANXIETYbr==2 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	1,579
Group variable: HNDID	Number of groups	=	571
	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, 4.7e+65)	=	3.07
	Prob > F	=	0.0001

CES_IP	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	.0006323	.0153472	0.04	0.967	-.0294477	.0307124
w1Agecent48	-.0068407	.006413	-1.07	0.286	-.0194099	.0057284
c.timew1w3w4#c.w1Agecent48	-.0012793	.0009514	-1.34	0.179	-.0031441	.0005854
timew1w3w4	0	(omitted)				
Sex						
Men	.1230504	.1220651	1.01	0.313	-.1161928	.3622936
Sex#c.timew1w3w4						
Men	-.0181329	.017558	-1.03	0.302	-.0525459	.0162801
timew1w3w4	0	(omitted)				
Race						
AfrAm	.2163463	.1137086	1.90	0.057	-.0065185	.439211
Race#c.timew1w3w4						
AfrAm	-.0082058	.0165364	-0.50	0.620	-.0406164	.0242049
timew1w3w4	0	(omitted)				
PovStat						
Below	.389091	.1139608	3.41	0.001	.165732	.61245
PovStat#c.timew1w3w4						
Below	-.0150366	.0164291	-0.92	0.360	-.0472371	.0171638
timew1w3w4	0	(omitted)				
invmillscES	.0028791	.0034955	0.82	0.410	-.003972	.0097302
c.timew1w3w4#c.invmillscES	-.0004829	.0004643	-1.04	0.298	-.0013929	.0004271
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.3999618	.1827589	2.19	0.029	.0417609	.7581627
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0437545	.0267075	-1.64	0.101	-.0961002	.0085913
_cons	.9196468	.1009689	9.11	0.000	.7217515	1.117542

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0015427	.	.	.
sd(_cons)	.8447328	.	.	.
corr(timew1w3w4,_cons)	-.9999966	.	.	.
sd(Residual)	1.136312	.	.	.

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352 . mi estimate: mixed CES_SC c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovSt

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

> if sample4obs==1 & w1ANXIETYbr==2 || HNDID: timew1w3w4, cov(un)

```

Multiple-imputation estimates      Imputations      =      5
Mixed-effects ML regression      Number of obs    =    1,579

Group variable: HNDID
                                Number of groups   =    571
                                Obs per group:
                                    min =      1
                                    avg =     2.8
                                    max =      3
                                Average RVI        =    0.0000
                                Largest FMI         =    0.0000
DF adjustment: Large sample      DF: min       =    1.00e+61
                                    avg             =    5.79e+65
                                    max             =      .
Model F test: Equal FMI          F( 13, 4.4e+63) =    6.87
                                    Prob > F        =    0.0000

```

CES_SC	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.1356159	.0473265	-2.87	0.004	-.2283742	-.0428577
w1Agecent48	-.0239087	.0192623	-1.24	0.215	-.061662	.0138447
c.timew1w3w4#c.w1Agecent48	-.0011115	.0029407	-0.38	0.705	-.0068752	.0046523
timew1w3w4	0 (omitted)					
Sex						
Men	-1.148991	.3667472	-3.13	0.002	-1.867802	-.43018
Sex#c.timew1w3w4						
Men	.0143878	.0545248	0.26	0.792	-.0924789	.1212545
timew1w3w4	0 (omitted)					
Race						
AfrAm	-.068211	.3414984	-0.20	0.842	-.7375355	.6011136
Race#c.timew1w3w4						
AfrAm	.0146891	.0511219	0.29	0.774	-.0855079	.1148861
timew1w3w4	0 (omitted)					
PovStat						
Below	1.819362	.3422128	5.32	0.000	1.148638	2.490087
PovStat#c.timew1w3w4						
Below	-.0553478	.0508446	-1.09	0.276	-.1550015	.0443058
timew1w3w4	0 (omitted)					
invmillsCES	-.0043048	.0104614	-0.41	0.681	-.0248087	.0161992
c.timew1w3w4#c.invmillsCES	-.0014517	.0014381	-1.01	0.313	-.0042704	.001367
timew1w3w4	0 (omitted)					
Lnw1HCyscenter2p15	1.119727	.5490841	2.04	0.041	.043542	2.195912

c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0286977	.0828096	-0.35	0.729	-.1910016	.1336063
_cons	8.267457	.303649	27.23	0.000	7.672316	8.862598

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.2376274	.0518321	.1549635	.3643875
sd(_cons)	2.789729	.1927064	2.436484	3.194189
corr(timew1w3w4,_cons)	-.3279602	.1348013	-.5625724	-.0444636
sd(Residual)	3.156004	.0948861	2.975404	3.347566

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356 . 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 & w1ANXIETYbr==2 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates Imputations = 5
Mixed-effects ML regression Number of obs = 1,579

Group variable: **HNDID** Number of groups = 571
Obs per group:

min = 1
avg = 2.8
max = 3

Average RVI = 0.0000

Largest FMI = 0.0000

DF adjustment: **Large sample**

DF: min = 4.56e+67

avg = 4.56e+67

max = .

Model F test: **Equal FMI**

F(13, 3.9e+70) = 3.22

Prob > F = 0.0001

CES_WB	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	.0190426	.0311193	0.61	0.541	-.0419501	.0800354
w1Agecent48	.0020085	.0123682	0.16	0.871	-.0222327	.0262497
c.timew1w3w4#c.w1Agecent48	-.0002005	.0019291	-0.10	0.917	-.0039815	.0035805
timew1w3w4	0 (omitted)					
Sex						
Men	.1355932	.235408	0.58	0.565	-.325798	.5969844
Sex#c.timew1w3w4						
Men	-.0008302	.0356041	-0.02	0.981	-.0706131	.0689526
timew1w3w4	0 (omitted)					
Race						
AfrAm	1.007375	.2192864	4.59	0.000	.5775815	1.437169
Race#c.timew1w3w4						
AfrAm	-.1025955	.0334715	-3.07	0.002	-.1681984	-.0369926

timew1w3w4	0 (omitted)					
PovStat						
Below	-.5927695	.2197702	-2.70	0.007	-1.023511	-.1620278
PovStat#c.timew1w3w4						
Below	-.0006122	.0332501	-0.02	0.985	-.0657812	.0645569
timew1w3w4	0 (omitted)					
invmillsCES	-.0061341	.0067423	-0.91	0.363	-.0193487	.0070806
c.timew1w3w4#c.invmillsCES	.0014299	.0009352	1.53	0.126	-.000403	.0032628
timew1w3w4	0 (omitted)					
Lnw1HCyscenter2p15	-.6944592	.3524293	-1.97	0.049	-1.385208	-.0037104
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0117409	.0541689	0.22	0.828	-.0944281	.11791
_cons	8.541286	.1947048	43.87	0.000	8.159672	8.922901

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0597852	.0951323	.0026432	1.352245
sd(_cons)	1.559138	.1509394	1.289675	1.884903
corr(timew1w3w4,_cons)	.8949293	2.013561	-1	1
sd(Residual)	2.245705	.0683341	2.115688	2.383712

```

357 .
358 .
359 . save "finaldata_imputed_FINAL.dta", replace
    file finaldata_imputed_FINAL.dta saved

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362 .
363 . //MODEL 2: FULL MODEL///
364 .
365 . mi estimate: mixed CES 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 & w1ANXIETYbr==2 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates      Imputations      =      5
Mixed-effects ML regression      Number of obs      =     1,576

Group variable: HNDID
Number of groups      =     571
Obs per group:
    min      =      1
    avg      =     2.8
    max      =      3
Average RVI      =     0.0477
Largest FMI      =     0.2773
DF adjustment: Large sample
DF:    min      =     61.86
    avg      = 1381172.91
    max      =     2.23e+07
Model F test: Equal FMI
F( 25,32765.2)      =     3.84
Prob > F      =     0.0000

```

CES	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.2736613	.263754	-1.04	0.300	-.7907462	.2434236
w1Agecent48	.0013225	.0519571	0.03	0.980	-.1005119	.1031568
c.timew1w3w4#c.w1Agecent48	-.0095129	.007139	-1.33	0.183	-.0235051	.0044793
timew1w3w4	0	(omitted)				
Sex						
Men	-3.094239	.9822233	-3.15	0.002	-5.019396	-1.169082
Sex#c.timew1w3w4						
Men	.0787385	.1301392	0.61	0.545	-.1763335	.3338105
timew1w3w4	0	(omitted)				
Race						
AfrAm	-1.616577	.9087444	-1.78	0.075	-3.397703	.164548
Race#c.timew1w3w4						
AfrAm	.0950384	.1227616	0.77	0.439	-.1455733	.33565
timew1w3w4	0	(omitted)				
PovStat						
Below	3.866975	.9511654	4.07	0.000	2.002693	5.731258
PovStat#c.timew1w3w4						
Below	-.0973854	.1287745	-0.76	0.450	-.3497937	.155023
timew1w3w4	0	(omitted)				
w1edubr						
2	-.3543762	1.787761	-0.20	0.843	-3.858462	3.14971
3	-1.972586	1.944443	-1.01	0.310	-5.783766	1.838594
w1edubr#c.timew1w3w4						
2	.0231866	.239268	0.10	0.923	-.4457745	.4921478
3	-.0187861	.2661537	-0.07	0.944	-.5405561	.502984
timew1w3w4	0	(omitted)				
inv millsCES	.0005491	.0275236	0.02	0.984	-.0533962	.0544944
c.timew1w3w4#c.inv millsCES	-.0031483	.0033811	-0.93	0.352	-.0097752	.0034785
timew1w3w4	0	(omitted)				
1.w1smoke	1.101997	1.075636	1.02	0.307	-1.021808	3.225803
w1smoke#c.timew1w3w4						
1	-.1385856	.1556231	-0.89	0.375	-.446194	.1690228
timew1w3w4	0	(omitted)				
1.w1currdrugs	2.029863	1.256125	1.62	0.109	-.4556732	4.5154
w1currdrugs#c.timew1w3w4						
1	-.0517515	.1745182	-0.30	0.767	-.3964538	.2929507
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.0568892	.045059	-1.26	0.211	-.146965	.0331865

c.timew1w3w4#c.w1hei2010_total_scorecent43	- .0042069	.0063271	-0.66	0.507	- .0167245	.0083106
timew1w3w4	0 (omitted)					
w1BMICent30	.057762	.0611903	0.94	0.345	- .0621832	.1777073
c.timew1w3w4#c.w1BMICent30	- .0024718	.008477	-0.29	0.771	- .0190903	.0141467
timew1w3w4	0 (omitted)					
Lnw1HCyscenter2p15	3.587454	1.451137	2.47	0.013	.7432744	6.431634
c.timew1w3w4#c.Lnw1HCyscenter2p15	- .1952292	.1966853	-0.99	0.321	- .5807258	.1902673
_cons	19.77863	1.920487	10.30	0.000	16.01411	23.54315

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.393736	.1762695	.1637306	.946848
sd(_cons)	7.756056	.4659949	6.894448	8.725341
corr(timew1w3w4,_cons)	- .2026903	.1977434	- .543925	.1960678
sd(Residual)	7.795347	.2340608	7.349828	8.267873

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

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

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

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

> if sample4obs==1 & w1ANXIETYbr==2 || HNDID: timew1w3w4

Multiple-imputation estimates

Imputations = 5

Mixed-effects ML regression

Number of obs = 1,579

Group variable: HNDID

Number of groups = 571

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(25,30825.0) = 4.36

Prob > F = 0.0000

CES_DA	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	- .1153394	.1148367	-1.00	0.315	- .3404367	.1097579
w1Agecent48	.0233553	.0231461	1.01	0.313	- .0220104	.068721
c.timew1w3w4#c.w1Agecent48	- .0071897	.0031229	-2.30	0.021	- .0133105	- .0010689
timew1w3w4	0 (omitted)					
Sex						
Men	-1.797323	.4364097	-4.12	0.000	-2.652681	- .9419653

Sex#c.timew1w3w4						
Men	.0780871	.0567439	1.38	0.169	-.0331299	.1893041
timew1w3w4	0	(omitted)				
Race						
AfrAm	-.632278	.4043641	-1.56	0.118	-1.424822	.1602659
Race#c.timew1w3w4						
AfrAm	-.0011901	.0538209	-0.02	0.982	-.1066786	.1042984
timew1w3w4	0	(omitted)				
PovStat						
Below	1.641888	.4230623	3.88	0.000	.8126957	2.47108
PovStat#c.timew1w3w4						
Below	-.0281333	.0562527	-0.50	0.617	-.1383881	.0821215
timew1w3w4	0	(omitted)				
wledubr						
2	.1314007	.7965494	0.16	0.869	-1.429863	1.692664
3	-.4020221	.8703318	-0.46	0.644	-2.108043	1.303998
wledubr#c.timew1w3w4						
2	-.0340354	.1045299	-0.33	0.745	-.2389109	.17084
3	-.055168	.1167565	-0.47	0.637	-.284077	.173741
timew1w3w4	0	(omitted)				
inv millsCES	-.0054576	.0122782	-0.44	0.657	-.0295223	.0186072
c.timew1w3w4#c.inv millsCES	-1.29e-07	.0014818	-0.00	1.000	-.0029043	.0029041
timew1w3w4	0	(omitted)				
1.w1smoke	.4636809	.4607354	1.01	0.315	-.4413621	1.368724
w1smoke#c.timew1w3w4						
1	-.0666073	.0653576	-1.02	0.309	-.1950128	.0617983
timew1w3w4	0	(omitted)				
1.w1curdrugs	1.040512	.544005	1.91	0.057	-.0311434	2.112168
w1curdrugs#c.timew1w3w4						
1	-.0419927	.074273	-0.57	0.572	-.1880677	.1040823
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.0177201	.0213997	-0.83	0.413	-.0611994	.0257593
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0014326	.0029091	-0.49	0.624	-.0072489	.0043836
timew1w3w4	0	(omitted)				
w1BM Icent30	.0194394	.0271955	0.71	0.475	-.0338665	.0727453
c.timew1w3w4#c.w1BM Icent30	-.0002418	.0036923	-0.07	0.948	-.007479	.0069954
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	1.678736	.6465389	2.60	0.009	.4115346	2.945937
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0993767	.0860828	-1.15	0.248	-.2680961	.0693428
_cons	6.511725	.8547944	7.62	0.000	4.836211	8.187239

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3w4)	2.42e-06	.	.	.
sd(_cons)	3.350434	.1456811	3.076732	3.648483
sd(Residual)	3.59905	.0805601	3.444567	3.760461

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372 . mi estimate: mixed CES_IP c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovStat
> c.timew1w3w4##w1smoke c.timew1w3w4##w1currrdrugs c.timew1w3w4##c.w1hei2010_total_scorecent43 ///
> c.timew1w3w4##c.w1BMICent30 ///
> c.timew1w3w4##c.lnw1HCyscenter2p15 ///
> if sample4obs==1 & w1ANXIETYbr==2 || HNDID: timew1w3w4

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	1,579
Group variable: HNDID	Number of groups	=	571
	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(25,50903.2)	=	1.90
	Prob > F	=	0.0043

CES_IP	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	.0207947	.035914	0.58	0.563	-.0495992	.0911886
w1Agecent48	-.004769	.006558	-0.73	0.467	-.0176225	.0080845
c.timew1w3w4#c.w1Agecent48	-.0014657	.0009788	-1.50	0.134	-.0033842	.0004527
timew1w3w4	0 (omitted)					
Sex						
Men	.0883849	.1231466	0.72	0.473	-.1529782	.329748
Sex#c.timew1w3w4						
Men	-.0166482	.0177657	-0.94	0.349	-.0514683	.018172
timew1w3w4	0 (omitted)					
Race						
AfrAm	.1892895	.1145191	1.65	0.098	-.0351662	.4137452
Race#c.timew1w3w4						
AfrAm	-.0068066	.0168502	-0.40	0.686	-.0398323	.0262192
timew1w3w4	0 (omitted)					
PovStat						

Below	.3239086	.12024	2.69	0.007	.0882314	.5595857
PovStat#c.timew1w3w4						
Below	-.0148456	.0176453	-0.84	0.400	-.04943	.0197388
timew1w3w4	0	(omitted)				
wledubr						
2	.0738625	.2289042	0.32	0.747	-.3749226	.5226476
3	-.0942489	.2461954	-0.38	0.702	-.5767947	.3882969
wledubr#c.timew1w3w4						
2	-.0251875	.0328898	-0.77	0.444	-.0896524	.0392775
3	-.016865	.0362335	-0.47	0.642	-.0878846	.0541547
timew1w3w4	0	(omitted)				
inv mills CES	.0030397	.0034851	0.87	0.383	-.0037909	.0098704
c.timew1w3w4#c.inv mills CES	-.0004797	.0004665	-1.03	0.304	-.0013941	.0004346
timew1w3w4	0	(omitted)				
1.w1smoke	.0181403	.1398925	0.13	0.897	-.2585293	.2948098
w1smoke#c.timew1w3w4						
1	.0008951	.0202003	0.04	0.965	-.0387477	.0405378
timew1w3w4	0	(omitted)				
1.w1currdugs	.1646654	.1647109	1.00	0.320	-.1624065	.4917373
w1currdugs#c.timew1w3w4						
1	-.0053781	.0226874	-0.24	0.813	-.0498954	.0391392
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.0066914	.0055925	-1.20	0.233	-.0177425	.0043596
c.timew1w3w4#c.w1hei2010_total_scorecent43	.0002061	.0008589	0.24	0.811	-.0014909	.0019032
timew1w3w4	0	(omitted)				
w1BM Icent30	-.0018807	.0077176	-0.24	0.807	-.0170081	.0132468
c.timew1w3w4#c.w1BM Icent30	.0003161	.0011513	0.27	0.784	-.0019404	.0025726
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.3622363	.1825339	1.98	0.047	.0044764	.7199962
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0428491	.026973	-1.59	0.112	-.0957153	.0100171
_cons	.912319	.2439168	3.74	0.000	.4341623	1.390476

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3w4)	4.79e-07	.	.	.
sd(_cons)	.8298898	.0434359	.748978	.9195424
sd(Residual)	1.135036	.0252979	1.08652	1.185717

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376 . mi estimate: mixed CES_SC 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 & w1ANXIETYbr==2 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	1,579
Group variable: HNDID	Number of groups	=	571
	Obs per group:		
	min	=	1
	avg	=	2.8
	max	=	3
	Average RVI	=	0.0434
	Largest FMI	=	0.1987
DF adjustment: Large sample	DF: min	=	116.72
	avg	=	1345820.36
	max	=	2.65e+07
Model F test: Equal FMI	F(25,39662.2)	=	5.01
	Prob > F	=	0.0000

CES_SC	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.1848372	.1124206	-1.64	0.100	-.4052697	.0355954
w1Agecent48	-.0177242	.0194586	-0.91	0.362	-.0558624	.0204139
c.timew1w3w4#c.w1Agecent48	-.000849	.0030233	-0.28	0.779	-.0067747	.0050766
timew1w3w4	0	(omitted)				
Sex						
Men	-1.254358	.3669826	-3.42	0.001	-1.973639	-.5350769
Sex#c.timew1w3w4						
Men	.0140512	.0552854	0.25	0.799	-.0943085	.1224108
timew1w3w4	0	(omitted)				
Race						
AfrAm	-.1697934	.3405522	-0.50	0.618	-.8372738	.4976869
Race#c.timew1w3w4						
AfrAm	.009368	.0521044	0.18	0.857	-.0927573	.1114932
timew1w3w4	0	(omitted)				
PovStat						
Below	1.381912	.3562628	3.88	0.000	.6836424	2.080183
PovStat#c.timew1w3w4						
Below	-.0432211	.054607	-0.79	0.429	-.1502537	.0638116
timew1w3w4	0	(omitted)				
w1edubr						
2	-.6006669	.6723688	-0.89	0.372	-1.918521	.7171868
3	-1.368926	.7326301	-1.87	0.062	-2.804914	.0670617

wledubr#c.timew1w3w4							
2	.0692131	.1024395	0.68	0.499	-.1315832	.2700094	
3	.0983705	.1126507	0.87	0.383	-.122445	.319186	
timew1w3w4	0	(omitted)					
inv millsCES	-.0035711	.0103288	-0.35	0.730	-.0238152	.016673	
c.timew1w3w4#c.inv millsCES	-.0013152	.0014437	-0.91	0.362	-.0041448	.0015143	
timew1w3w4	0	(omitted)					
1.w1smoke	.5210338	.4165196	1.25	0.213	-.3030106	1.345078	
w1smoke#c.timew1w3w4							
1	-.0546527	.0638024	-0.86	0.392	-.1802215	.0709162	
timew1w3w4	0	(omitted)					
1.w1currrdrugs	.7569546	.4819708	1.57	0.119	-.1971776	1.711087	
w1currrdrugs#c.timew1w3w4							
1	.0047714	.0750575	0.06	0.949	-.1438798	.1534226	
timew1w3w4	0	(omitted)					
w1hei2010_total_scorecent43	-.0236982	.0161642	-1.47	0.144	-.0555094	.0081129	
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.003433	.0025565	-1.34	0.180	-.0084591	.001593	
timew1w3w4	0	(omitted)					
w1BM Icent30	.0188757	.0229978	0.82	0.412	-.0262061	.0639575	
c.timew1w3w4#c.w1BM Icent30	.000016	.0036168	0.00	0.996	-.0070768	.0071088	
timew1w3w4	0	(omitted)					
Lnw1HCyscenter2p15	.927303	.5429064	1.71	0.088	-.1367748	1.991381	
c.timew1w3w4#c.Lnw1HCyscenter2p15	-.0393269	.0834826	-0.47	0.638	-.2029501	.1242963	
_cons	8.91905	.7244861	12.31	0.000	7.498839	10.33926	

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.2361158	.0525575	.1526324	.3652611
sd(_cons)	2.686736	.1951074	2.330297	3.097696
corr(timew1w3w4,_cons)	-.3610654	.1345198	-.5923608	-.0747857
sd(Residual)	3.155936	.0950174	2.975092	3.347774

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380 . mi estimate: mixed CES_WB 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 & w1ANXIETYbr==2 || HNDID: timew1w3w4

Multiple-imputation estimates

Imputations = 5

Mixed-effects ML regression

Number of obs = 1,579

Group variable: HNDID

Number of groups = 571

Obs per group:

min = 1

avg = 2.8

max = 3

Average RVI = 0.0638

Largest FMI = 0.3801

DF adjustment: Large sample

DF: min = 33.72

avg = 2717526.86

max = 6.36e+07

Model F test: Equal FMI

F(25,19593.2) = 1.98

Prob > F = 0.0024

CES_WB	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0106783	.0750979	-0.14	0.887	-.1578989	.1365422
w1Agecent48	-.0001818	.0129904	-0.01	0.989	-.0256429	.0252792
c.timew1w3w4#c.w1Agecent48	-6.48e-07	.0020311	-0.00	1.000	-.0039815	.0039802
timew1w3w4	0	(omitted)				
Sex						
Men	.1325088	.2442525	0.54	0.587	-.3462217	.6112393
Sex#c.timew1w3w4						
Men	-.0005559	.0369538	-0.02	0.988	-.0729842	.0718723
timew1w3w4	0	(omitted)				
Race						
AfrAm	1.01568	.2262705	4.49	0.000	.5721975	1.459163
Race#c.timew1w3w4						
AfrAm	-.0955518	.0349178	-2.74	0.006	-.1639901	-.0271136
timew1w3w4	0	(omitted)				
PovStat						
Below	-.5186905	.2372405	-2.19	0.029	-.9836788	-.0537023
PovStat#c.timew1w3w4						
Below	.0131387	.0367071	0.36	0.720	-.0588108	.0850882
timew1w3w4	0	(omitted)				
w1edubr						
2	-.0892757	.4466763	-0.20	0.842	-.9647507	.7861993
3	.0213618	.4868651	0.04	0.965	-.9328925	.975616
w1edubr#c.timew1w3w4						

2	-.0151208	.0683891	-0.22	0.825	-.1491636	.118922
3	.0579786	.0757163	0.77	0.444	-.0904437	.2064008
timew1w3w4	0 (omitted)					
inv millsCES	-.0070245	.0068858	-1.02	0.308	-.0205205	.0064715
c.timew1w3w4#c.inv millsCES	.0014	.0009647	1.45	0.147	-.0004908	.0032907
timew1w3w4	0 (omitted)					
1.w1smoke	-.0852481	.2785291	-0.31	0.760	-.6368155	.4663193
w1smoke#c.timew1w3w4						
1	.0119338	.0450282	0.27	0.792	-.0773883	.101256
timew1w3w4	0 (omitted)					
1.w1currrdrugs	-.1144736	.3078405	-0.37	0.710	-.7201546	.4912073
w1currrdrugs#c.timew1w3w4						
1	.0120883	.0522095	0.23	0.818	-.092069	.1162455
timew1w3w4	0 (omitted)					
w1hei2010_total_scorecent43	.0145423	.0124705	1.17	0.252	-.0108086	.0398933
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0008895	.0018342	-0.48	0.629	-.004535	.0027559
timew1w3w4	0 (omitted)					
w1BM Icent30	-.021848	.0152555	-1.43	0.152	-.0517501	.0080542
c.timew1w3w4#c.w1BM Icent30	.0024377	.0024299	1.00	0.316	-.0023272	.0072027
timew1w3w4	0 (omitted)					
Lnw1HCyscenter2p15	-.6282102	.3615071	-1.74	0.082	-1.336752	.0803313
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0148601	.0561624	0.26	0.791	-.0952177	.124938
_cons	8.636366	.4801551	17.99	0.000	7.695221	9.577512

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3w4)	.1248096	.0286763	.0795565	.1958035
sd(_cons)	1.692822	.0916288	1.52243	1.882284
sd(Residual)	2.194249	.0557314	2.087691	2.306245

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383 . *****INTERACTION BY ANXIETY STATUS*****

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386 . //MODEL 1: INCLUDE ONLY AGE, SEX, RACE AND POVERTY STATUS///
387 . mi estimate: mixed CES c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovStat
> c.timew1w3w4##c.Lnw1HCyscenter2p15##w1ANXIETYbr ///
> if sample4obs==1 || HNDID: timew1w3w4, cov(un)

```

```

Multiple-imputation estimates      Imputations      =      5
Mixed-effects ML regression      Number of obs    =    3,254

Group variable: HNDID
Number of groups =    1,181
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( 17, 1.1e+65) =    32.06
                                Prob > F    =    0.0000

```

	CES	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4		.0919032	.077717	1.18	0.237	-.0604193	.2442257
w1Agecent48		-.0292207	.0301406	-0.97	0.332	-.0882951	.0298537
c.timew1w3w4#c.w1Agecent48		-.0034402	.0040487	-0.85	0.395	-.0113755	.0044952
timew1w3w4		0 (omitted)					
Sex							
Men		-1.357075	.5644055	-2.40	0.016	-2.46329	-.2508606
Sex#c.timew1w3w4							
Men		-.0272558	.0748436	-0.36	0.716	-.1739466	.119435
timew1w3w4		0 (omitted)					
Race							
AfrAm		-.2710105	.5459298	-0.50	0.620	-1.341013	.7989922
Race#c.timew1w3w4							
AfrAm		.0663102	.0729939	0.91	0.364	-.0767552	.2093757
timew1w3w4		0 (omitted)					
PovStat							
Below		3.109445	.5626455	5.53	0.000	2.00668	4.21221
PovStat#c.timew1w3w4							
Below		.0217123	.0739115	0.29	0.769	-.1231516	.1665762
timew1w3w4		0 (omitted)					
invmillsCES		-.0005032	.0227413	-0.02	0.982	-.0450753	.0440689
c.timew1w3w4#c.invmillsCES		-.0029268	.0028007	-1.05	0.296	-.0084161	.0025625
timew1w3w4		0 (omitted)					
Lnw1HCyscenter2p15		1.709719	1.16376	1.47	0.142	-.5712087	3.990647

c.timew1w3w4#c.Lnw1HCyscenter2p15	.0480484	.1548092	0.31	0.756	-.255372	.3514688
2.w1ANXIETYbr	10.55059	.5537632	19.05	0.000	9.465235	11.63595
w1ANXIETYbr#c.timew1w3w4 2	-.4317362	.0740227	-5.83	0.000	-.5768179	-.2866544
w1ANXIETYbr#c.Lnw1HCyscenter2p15 2	1.865125	1.629944	1.14	0.253	-1.329507	5.059756
w1ANXIETYbr#c.timew1w3w4#c.Lnw1HCyscenter2p15 2	-.2281951	.2194181	-1.04	0.298	-.6582467	.2018566
_cons	8.429865	.5785703	14.57	0.000	7.295888	9.563842

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Unstructured					
sd(timew1w3w4)	.090899
sd(_cons)	6.390006
corr(timew1w3w4,_cons)	.9999996
sd(Residual)	7.046841

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

> c.timew1w3w4##c.Lnw1HCyscenter2p15##w1ANXIETYbr ///

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

```

Multiple-imputation estimates      Imputations      =      5
Mixed-effects ML regression      Number of obs      =    3,263

Group variable: HNDID
                                Number of groups =    1,181
                                Obs per group:
                                    min =      1
                                    avg =     2.8
                                    max =      3
                                Average RVI      =      .
                                Largest FMI       =      .
                                DF: min          =     0.00
                                    avg          =      .
                                    max          =      .
DF adjustment: Large sample
                                F( 17, 1.3e+66) =    28.19
Model F test: Equal FMI         Prob > F          =    0.0000

```

CES_DA	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	.0313663	.0341352	0.92	0.358	-.0355374	.0982701
w1Agecent48	.0006765	.0133839	0.05	0.960	-.0255554	.0269083
c.timew1w3w4#c.w1Agecent48	-.0039227	.0017766	-2.21	0.027	-.0074047	-.0004408
timew1w3w4	0 (omitted)					
Sex						
Men	-.9308489	.2504089	-3.72	0.000	-1.421641	-.4400564
Sex#c.timew1w3w4						

Men	.0216376	.0328721	0.66	0.510	-.0427905	.0860658
timew1w3w4	0	(omitted)				
Race						
AfrAm	-.1423588	.2423308	-0.59	0.557	-.6173185	.3326009
Race#c.timew1w3w4						
AfrAm	-.0065175	.0320808	-0.20	0.839	-.0693947	.0563596
timew1w3w4	0	(omitted)				
PovStat						
Below	1.315815	.2498513	5.27	0.000	.8261151	1.805514
PovStat#c.timew1w3w4						
Below	-.0055695	.032516	-0.17	0.864	-.0692997	.0581607
timew1w3w4	0	(omitted)				
invmillscES	-.0056445	.0101037	-0.56	0.576	-.0254474	.0141584
c.timew1w3w4#c.invmillscES	-1.34e-06	.0012364	-0.00	0.999	-.0024246	.0024219
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	.2212777	.5167444	0.43	0.668	-.7915227	1.234078
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0230527	.0681358	0.34	0.735	-.110491	.1565964
2.w1ANXIETYbr	4.229078	.2457951	17.21	0.000	3.747328	4.710827
w1ANXIETYbr#c.timew1w3w4						
2	-.2098614	.0325177	-6.45	0.000	-.273595	-.1461278
w1ANXIETYbr#c.Lnw1HCyscenter2p15						
2	1.419876	.7236219	1.96	0.050	.0016027	2.838148
w1ANXIETYbr#c.timew1w3w4#c.Lnw1HCyscenter2p15						
2	-.1137145	.0964985	-1.18	0.239	-.3028481	.0754191
_cons	2.262064	.256804	8.81	0.000	1.758737	2.765391

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3w4)	.0013129	.	.
sd(_cons)	2.843394	.	.
corr(timew1w3w4,_cons)	.9997941	.	.
sd(Residual)	3.128288	.	.

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394 . mi estimate: mixed CES_IP c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovStat
> c.timew1w3w4##c.Lnw1HCyscenter2p15##w1ANXIETYbr ///
> if sample4obs==1 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	3,263
Group variable: HNDID	Number of groups	=	1,181
	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(17, 1.7e+65)	=	12.78
	Prob > F	=	0.0000

CES_IP	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	.0091754	.0106421	0.86	0.389	-.0116827	.0300335
w1Agecent48	-.0056333	.0037785	-1.49	0.136	-.013039	.0017723
c.timew1w3w4#c.w1Agecent48	-.0005149	.000554	-0.93	0.353	-.0016008	.0005709
timew1w3w4	0 (omitted)					
Sex						
Men	.1734868	.0706879	2.45	0.014	.0349412	.3120325
Sex#c.timew1w3w4						
Men	-.0199806	.0102526	-1.95	0.051	-.0400754	.0001141
timew1w3w4	0 (omitted)					
Race						
AfrAm	.096554	.0684218	1.41	0.158	-.0375503	.2306582
Race#c.timew1w3w4						
AfrAm	.0032512	.0100099	0.32	0.745	-.0163679	.0228702
timew1w3w4	0 (omitted)					
PovStat						
Below	.2784672	.0705946	3.94	0.000	.1401043	.4168302
PovStat#c.timew1w3w4						
Below	-.0020137	.0101484	-0.20	0.843	-.0219042	.0178768
timew1w3w4	0 (omitted)					
invmillsCES	.002435	.0028633	0.85	0.395	-.0031769	.008047
c.timew1w3w4#c.invmillsCES	-.0003941	.000387	-1.02	0.309	-.0011526	.0003645
timew1w3w4	0 (omitted)					
Lnw1HCyscenter2p15	-.0195689	.1459815	-0.13	0.893	-.3056875	.2665496

c.timew1w3w4#c.Lnw1HCyscenter2p15	.0473337	.0212618	2.23	0.026	.0056612	.0890061
2.w1ANXIETYbr	.6979092	.0694003	10.06	0.000	.5618871	.8339313
w1ANXIETYbr#c.timew1w3w4 2	-.0187312	.0101433	-1.85	0.065	-.0386117	.0011494
w1ANXIETYbr#c.Lnw1HCyscenter2p15 2	.4058104	.2044032	1.99	0.047	.0051875	.8064334
w1ANXIETYbr#c.timew1w3w4#c.Lnw1HCyscenter2p15 2	-.0952976	.0301038	-3.17	0.002	-.1543	-.0362953
_cons	.3185539	.0724478	4.40	0.000	.1765588	.460549

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Unstructured					
sd(timew1w3w4)	.0002628
sd(_cons)	.703078
corr(timew1w3w4,_cons)	-.9925612
sd(Residual)	.9810715

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398 . mi estimate: mixed CES_SC c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovSt
> c.timew1w3w4##c.Lnw1HCyscenter2p15##w1ANXIETYbr ///
> if sample4obs==1 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	3,263
Group variable: HNDID	Number of groups	=	1,181
	Obs per group:		
	min =		1
	avg =		2.8
	max =		3
	Average RVI	=	0.0000
	Largest FMI	=	0.0000
DF adjustment: Large sample	DF: min	=	5.65e+65
	avg	=	5.65e+65
	max	=	.
Model F test: Equal FMI	F(17, 3.4e+68)	=	28.97
	Prob > F	=	0.0000

CES_SC	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	.0137793	.0336942	0.41	0.683	-.0522602	.0798188
w1Agecent48	-.0163399	.0121847	-1.34	0.180	-.0402215	.0075418
c.timew1w3w4#c.w1Agecent48	-.0001524	.0017531	-0.09	0.931	-.0035884	.0032835
timew1w3w4	0 (omitted)					
Sex						
Men	-.4894917	.2279624	-2.15	0.032	-.9362899	-.0426935

Sex#c.timew1w3w4						
Men	-.0118335	.032446	-0.36	0.715	-.0754264	.0517595
timew1w3w4	0	(omitted)				
Race						
AfrAm	.2701867	.2206411	1.22	0.221	-.1622618	.7026353
Race#c.timew1w3w4						
AfrAm	.0032824	.0316543	0.10	0.917	-.0587589	.0653237
timew1w3w4	0	(omitted)				
PovStat						
Below	1.170769	.2275751	5.14	0.000	.7247302	1.616808
PovStat#c.timew1w3w4						
Below	-.0086987	.0320904	-0.27	0.786	-.0715947	.0541974
timew1w3w4	0	(omitted)				
invmillisCES	-.0025421	.0092186	-0.28	0.783	-.0206102	.0155259
c.timew1w3w4#c.invmillisCES	-.0013015	.0012199	-1.07	0.286	-.0036924	.0010895
timew1w3w4	0	(omitted)				
Lnw1HCyscenter2p15	1.072989	.4706018	2.28	0.023	.1506262	1.995351
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0159874	.0672189	0.24	0.812	-.1157593	.1477341
2.w1ANXIETYbr	3.877253	.2237933	17.33	0.000	3.438626	4.31588
w1ANXIETYbr#c.timew1w3w4						
2	-.1553292	.0320869	-4.84	0.000	-.2182184	-.0924401
w1ANXIETYbr#c.Lnw1HCyscenter2p15						
2	-.2060851	.6590075	-0.31	0.754	-1.497716	1.085546
w1ANXIETYbr#c.timew1w3w4#c.Lnw1HCyscenter2p15						
2	-.0467946	.0952088	-0.49	0.623	-.2334005	.1398112
_cons	4.297088	.2337123	18.39	0.000	3.83902	4.755155

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0673618	.1019234	.0034712	1.307208
sd(_cons)	2.384407	.1340017	2.135717	2.662057
corr(timew1w3w4,_cons)	.2773869	.8544797	-.9103395	.9704054
sd(Residual)	3.053656	.0637458	2.931238	3.181187

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402 . mi estimate: mixed CES_WB c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovSta
> c.timew1w3w4##c.Lnw1HCyscenter2p15##w1ANXIETYbr ///
> if sample4obs==1 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	3,263
Group variable: HNDID	Number of groups	=	1,181
	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(17, 5.6e+62)	=	18.11
	Prob > F	=	0.0000

CES_WB	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0275533	.022994	-1.20	0.231	-.0726208	.0175141
w1Agecent48	.0088266	.0074983	1.18	0.239	-.0058698	.023523
c.timew1w3w4#c.w1Agecent48	-.0012704	.0011956	-1.06	0.288	-.0036138	.001073
timew1w3w4	0 (omitted)					
Sex						
Men	.0937416	.1402773	0.67	0.504	-.1811968	.36868
Sex#c.timew1w3w4						
Men	.0184056	.0221336	0.83	0.406	-.0249754	.0617867
timew1w3w4	0 (omitted)					
Race						
AfrAm	.498837	.1357997	3.67	0.000	.2326744	.7649996
Race#c.timew1w3w4						
AfrAm	-.0720064	.0215707	-3.34	0.001	-.1142843	-.0297286
timew1w3w4	0 (omitted)					
PovStat						
Below	-.3650265	.1401254	-2.60	0.009	-.6396672	-.0903858
PovStat#c.timew1w3w4						
Below	-.0379125	.0218709	-1.73	0.083	-.0807786	.0049537
timew1w3w4	0 (omitted)					
invmillsCES	-.0055884	.0056877	-0.98	0.326	-.0167361	.0055594
c.timew1w3w4#c.invmillsCES	.0012852	.0008285	1.55	0.121	-.0003385	.002909
timew1w3w4	0 (omitted)					
Lnw1HCyscenter2p15	-.3761527	.2896977	-1.30	0.194	-.9439497	.1916443

c.timew1w3w4#c.Lnw1HCyscenter2p15	.040555	.0457999	0.89	0.376	-.0492112	.1303212
2.w1ANXIETYbr	-1.716425	.1377334	-12.46	0.000	-1.986377	-1.446472
w1ANXIETYbr#c.timew1w3w4 2	.0396519	.0218742	1.81	0.070	-.0032208	.0825246
w1ANXIETYbr#c.Lnw1HCyscenter2p15 2	-.3349953	.4057048	-0.83	0.409	-1.130162	.4601715
w1ANXIETYbr#c.timew1w3w4#c.Lnw1HCyscenter2p15 2	-.0279865	.0648937	-0.43	0.666	-.1551758	.0992028
_cons	10.43977	.1437729	72.61	0.000	10.15798	10.72156

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Unstructured					
sd(timew1w3w4)	.0728641
sd(_cons)	1.278079
corr(timew1w3w4,_cons)	1
sd(Residual)	2.035211

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405 . save, replace

file finaldata_imputed_FINAL.dta saved

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409 . //MODEL 2: FULL MODEL///

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411 . mi estimate: mixed CES 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##w1ANXIETYbr ///

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

Multiple-imputation estimates

Imputations = 5

Mixed-effects ML regression

Number of obs = 3,254

Group variable: HNDID

Number of groups = 1,181

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(29,34845.2) = 20.36

Prob > F = 0.0000

CES	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	.160942	.1836807	0.88	0.381	-.1991095	.5209934
w1Agecent48	-.0104676	.0303985	-0.34	0.731	-.0700486	.0491134
c.timew1w3w4#c.w1Agecent48	-.0037322	.0041429	-0.90	0.368	-.011852	.0043877
timew1w3w4	0	(omitted)				
Sex						
Men	-1.699617	.5710647	-2.98	0.003	-2.818923	-.5803104
Sex#c.timew1w3w4						
Men	-.0171376	.0768015	-0.22	0.823	-.1676709	.1333957
timew1w3w4	0	(omitted)				
Race						
AfrAm	-.4781677	.5466791	-0.87	0.382	-1.549716	.5933806
Race#c.timew1w3w4						
AfrAm	.0515218	.0746056	0.69	0.490	-.0947074	.197751
timew1w3w4	0	(omitted)				
PovStat						
Below	2.323655	.578825	4.01	0.000	1.189107	3.458203
PovStat#c.timew1w3w4						
Below	.0056652	.0773484	0.07	0.942	-.1459372	.1572675
timew1w3w4	0	(omitted)				
w1edubr						
2	-.9936025	1.205263	-0.82	0.410	-3.356139	1.368934
3	-2.120411	1.247607	-1.70	0.089	-4.56573	.3249079
w1edubr#c.timew1w3w4						
2	.0040372	.169024	0.02	0.981	-.3272792	.3353536
3	-.0845895	.1754629	-0.48	0.630	-.4285159	.2593369
timew1w3w4	0	(omitted)				
invmillscES	-.0015524	.0224573	-0.07	0.945	-.045568	.0424632
c.timew1w3w4#c.invmillscES	-.0024954	.0028113	-0.89	0.375	-.0080055	.0030148
timew1w3w4	0	(omitted)				
1.w1smoke	1.239926	.6153744	2.01	0.045	.0287785	2.451073
w1smoke#c.timew1w3w4						
1	-.0075228	.0857163	-0.09	0.930	-.1757233	.1606778
timew1w3w4	0	(omitted)				
1.w1currdrugs	1.866007	.8133033	2.29	0.026	.2332824	3.498731
w1currdrugs#c.timew1w3w4						
1	-.0684828	.1211894	-0.57	0.576	-.3152471	.1782816
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.0535647	.0247792	-2.16	0.033	-.1026106	-.0045189
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0010191	.003435	-0.30	0.767	-.0077588	.0057206

timew1w3w4 w1BMIcent30	0 (omitted)					
	.0207736	.0379312	0.55	0.584	-.0535807	.0951279
c.timew1w3w4#c.w1BMIcent30	.0025626	.005191	0.49	0.622	-.0076123	.0127376
timew1w3w4 Lnw1HCyscenter2p15	0 (omitted)					
	1.25447	1.153446	1.09	0.277	-1.006254	3.515195
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0427418	.1560233	0.27	0.784	-.2630602	.3485437
2.w1ANXIETYbr	10.09002	.5535665	18.23	0.000	9.005017	11.17501
w1ANXIETYbr#c.timew1w3w4 2	-.4393877	.0750411	-5.86	0.000	-.5864663	-.2923091
w1ANXIETYbr#c.Lnw1HCyscenter2p15 2	1.930368	1.607587	1.20	0.230	-1.22045	5.081187
w1ANXIETYbr#c.timew1w3w4#c.Lnw1HCyscenter2p15 2	-.2408865	.2202187	-1.09	0.274	-.6725103	.1907373
_cons	9.712588	1.294813	7.50	0.000	7.174705	12.25047

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]
HNDID: Unstructured			
sd(timew1w3w4)	.0837344	.	.
sd(_cons)	6.180169	.	.
corr(timew1w3w4,_cons)	.9999989	.	.
sd(Residual)	7.052052	.	.

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

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

> c.timew1w3w4#c.w1BMIcent30 ///

> c.timew1w3w4#c.Lnw1HCyscenter2p15##w1ANXIETYbr ///

> if sample4obs==1 || HNDID: timew1w3w4

Multiple-imputation estimates

Imputations = 5

Mixed-effects ML regression

Number of obs = 3,263

Group variable: HNDID

Number of groups = 1,181

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(29,56209.4) = 17.42

Prob > F = 0.0000

CES_DA	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	.073593	.0804749	0.91	0.360	-.0841426	.2313285
w1Agecent48	.0088811	.0135622	0.65	0.513	-.0177006	.0354628
c.timew1w3w4#c.w1Agecent48	-.0041928	.0018199	-2.30	0.021	-.0077599	-.0006258
timew1w3w4	0	(omitted)				
Sex						
Men	-1.087651	.2540529	-4.28	0.000	-1.58559	-.589713
Sex#c.timew1w3w4						
Men	.02986	.0336747	0.89	0.375	-.0361422	.0958622
timew1w3w4	0	(omitted)				
Race						
AfrAm	-.2401803	.2433037	-0.99	0.324	-.7170593	.2366987
Race#c.timew1w3w4						
AfrAm	-.0098986	.032773	-0.30	0.763	-.0741338	.0543366
timew1w3w4	0	(omitted)				
PovStat						
Below	1.058544	.2582507	4.10	0.000	.5523583	1.56473
PovStat#c.timew1w3w4						
Below	-.0073542	.0340123	-0.22	0.829	-.0740176	.0593093
timew1w3w4	0	(omitted)				
w1edubr						
2	-.0806256	.5388018	-0.15	0.881	-1.136793	.9755415
3	-.4452982	.5570432	-0.80	0.424	-1.537102	.6465056
w1edubr#c.timew1w3w4						
2	-.0191639	.0741361	-0.26	0.796	-.164476	.1261482
3	-.0374763	.0770212	-0.49	0.627	-.1884414	.1134887
timew1w3w4	0	(omitted)				
invmillscES	-.0065871	.0100278	-0.66	0.511	-.0262412	.013067
c.timew1w3w4#c.invmillscES	.0002106	.0012404	0.17	0.865	-.0022205	.0026417
timew1w3w4	0	(omitted)				
1.w1smoke	.441181	.2716798	1.62	0.105	-.0927181	.9750801
w1smoke#c.timew1w3w4						
1	-.0201446	.0375285	-0.54	0.592	-.0937641	.0534749
timew1w3w4	0	(omitted)				
1.w1currdrugs	.8955058	.3425977	2.61	0.010	.2168705	1.574141
w1currdrugs#c.timew1w3w4						
1	-.0195737	.0508962	-0.38	0.702	-.1218891	.0827418
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.0126621	.0113143	-1.12	0.266	-.0351381	.0098139
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0008684	.0014916	-0.58	0.560	-.0037932	.0020563

	timew1w3w4 w1BMICent30	0 (omitted) -.0000697 .0168508	-0.00	0.997	-.033098	.0329586
	c.timew1w3w4#c.w1BMICent30	.0025235 .0022813	1.11	0.269	-.0019481	.006995
	timew1w3w4 Lnw1HCyscenter2p15	0 (omitted) .0760159 .5145613	0.15	0.883	-.9325078	1.08454
	c.timew1w3w4#c.Lnw1HCyscenter2p15	.0192035 .0686118	0.28	0.780	-.1152734	.1536803
	2.w1ANXIETYbr	4.082121 .2470583	16.52	0.000	3.597883	4.566359
	w1ANXIETYbr#c.timew1w3w4 2	-.2120356 .0329534	-6.43	0.000	-.2766233	-.1474479
	w1ANXIETYbr#c.Lnw1HCyscenter2p15 2	1.45373 .7171645	2.03	0.043	.0481133	2.859347
	w1ANXIETYbr#c.timew1w3w4#c.Lnw1HCyscenter2p15 2	-.1171873 .0967606	-1.21	0.226	-.3068351	.0724604
	_cons	2.410925 .5767298	4.18	0.000	1.280544	3.541306

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3w4)	6.44e-07	.	.	.
sd(_cons)	2.784035	.0868689	2.618876	2.959609
sd(Residual)	3.128516	.0487904	3.034334	3.225622

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

> c.timew1w3w4##w1smoke c.timew1w3w4##w1currdrugs c.timew1w3w4#c.w1hei2010_total_scorecent43 ///

> c.timew1w3w4#c.w1BMICent30 ///

> c.timew1w3w4#c.Lnw1HCyscenter2p15##w1ANXIETYbr ///

> if sample4obs==1 || HNDID: timew1w3w4

Multiple-imputation estimates

Imputations = 5

Mixed-effects ML regression

Number of obs = 3,263

Group variable: HNDID

Number of groups = 1,181

Obs per group:

min = 1

avg = 2.8

max = 3

Average RVI = 0.0313

Largest FMI = 0.2475

DF adjustment: Large sample

DF: min = 76.85

avg = 5.26e+11

max = 1.74e+13

Model F test: Equal FMI

F(29,92165.2) = 7.66

Prob > F = 0.0000

CES_IP	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	.0069326	.0251318	0.28	0.783	-.0423285	.0561937
w1Agecent48	-.0041605	.0038546	-1.08	0.280	-.0117154	.0033944
c.timew1w3w4#c.w1Agecent48	-.0005862	.0005673	-1.03	0.301	-.001698	.0005257
timew1w3w4	0	(omitted)				
Sex						
Men	.1405748	.0722506	1.95	0.052	-.0010353	.2821848
Sex#c.timew1w3w4						
Men	-.0185149	.010484	-1.77	0.077	-.0390633	.0020335
timew1w3w4	0	(omitted)				
Race						
AfrAm	.0846252	.0690358	1.23	0.220	-.0506833	.2199338
Race#c.timew1w3w4						
AfrAm	.0026258	.0101983	0.26	0.797	-.0173626	.0226142
timew1w3w4	0	(omitted)				
PovStat						
Below	.242289	.0732472	3.31	0.001	.0987255	.3858525
PovStat#c.timew1w3w4						
Below	-.0022684	.0106156	-0.21	0.831	-.0230747	.0185379
timew1w3w4	0	(omitted)				
w1edubr						
2	-.0069809	.1549163	-0.05	0.964	-.3107232	.2967614
3	-.0821709	.1592433	-0.52	0.606	-.394293	.2299512
w1edubr#c.timew1w3w4						
2	.000405	.0231238	0.02	0.986	-.0449196	.0457296
3	-.0004735	.0240097	-0.02	0.984	-.0475334	.0465864
timew1w3w4	0	(omitted)				
invmillscES	.0023345	.0028604	0.82	0.414	-.0032717	.0079408
c.timew1w3w4#c.invmillscES	-.0003779	.0003882	-0.97	0.330	-.0011387	.0003829
timew1w3w4	0	(omitted)				
1.w1smoke	-.0179301	.0786294	-0.23	0.820	-.1724511	.136591
w1smoke#c.timew1w3w4						
1	.0089558	.011431	0.78	0.433	-.0134494	.031361
timew1w3w4	0	(omitted)				
1.w1currdrugs	.1329943	.101925	1.30	0.196	-.0699705	.3359591
w1currdrugs#c.timew1w3w4						
1	-.0080249	.0143297	-0.56	0.576	-.0362501	.0202003
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.0044622	.0033232	-1.34	0.183	-.0110639	.0021395
c.timew1w3w4#c.w1hei2010_total_scorecent43	.000305	.0004939	0.62	0.538	-.0006697	.0012797

	timew1w3w4	0 (omitted)				
	w1BMICent30	-.0044397	.0048103	-0.92	0.356	-.0138685 .0049892
	c.timew1w3w4#c.w1BMICent30	.0004342	.0007078	0.61	0.540	-.0009531 .0018215
	timew1w3w4	0 (omitted)				
	Lnw1HCyscenter2p15	-.0432185	.1463624	-0.30	0.768	-.3300839 .2436469
	c.timew1w3w4#c.Lnw1HCyscenter2p15	.0478684	.0213984	2.24	0.025	.0059283 .0898084
	2.w1ANXIETYbr	.6771888	.0700215	9.67	0.000	.5399489 .8144288
	w1ANXIETYbr#c.timew1w3w4					
	2	-.0188356	.0102684	-1.83	0.067	-.0389612 .0012901
	w1ANXIETYbr#c.Lnw1HCyscenter2p15					
	2	.4089403	.2039506	2.01	0.045	.0092045 .8086762
	w1ANXIETYbr#c.timew1w3w4#c.Lnw1HCyscenter2p15					
	2	-.0954104	.0301618	-3.16	0.002	-.1545265 -.0362943
	_cons	.3811689	.1669426	2.28	0.022	.0538548 .7084829

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Independent				
sd(timew1w3w4)	4.83e-08	.0000162	3.2e-294	7.3e+278
sd(_cons)	.6967121	.0259841	.6476008	.7495477
sd(Residual)	.9808439	.0151894	.9515206	1.011071

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422 . mi estimate: mixed CES_SC c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovSt

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

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

> c.timew1w3w4##c.Lnw1HCyscenter2p15##w1ANXIETYbr ///

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

Multiple-imputation estimates

Imputations = 5

Mixed-effects ML regression

Number of obs = 3,263

Group variable: HNDID

Number of groups = 1,181

Obs per group:

min = 1

avg = 2.8

max = 3

Average RVI = 0.0447

Largest FMI = 0.3515

DF adjustment: Large sample

DF: min = 39.24

avg = 175,132.93

max = 2246123.32

Model F test: Equal FMI

F(29,46615.8) = 20.13

Prob > F = 0.0000

CES_SC	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0008323	.0801165	-0.01	0.992	-.1578912	.1562267
w1Agecent48	-.009334	.0122199	-0.76	0.445	-.0332848	.0146168
c.timew1w3w4#c.w1Agecent48	.0000156	.001799	0.01	0.993	-.0035104	.0035416
timew1w3w4	0	(omitted)				
Sex						
Men	-.6120851	.2293025	-2.67	0.008	-1.061518	-.1626519
Sex#c.timew1w3w4						
Men	-.0126707	.0334253	-0.38	0.705	-.0781864	.052845
timew1w3w4	0	(omitted)				
Race						
AfrAm	.1921924	.2197692	0.87	0.382	-.2385707	.6229555
Race#c.timew1w3w4						
AfrAm	-.0054337	.0324488	-0.17	0.867	-.0690345	.058167
timew1w3w4	0	(omitted)				
PovStat						
Below	.7732591	.2329244	3.32	0.001	.3167137	1.229805
PovStat#c.timew1w3w4						
Below	-.013389	.0337213	-0.40	0.691	-.0794834	.0527054
timew1w3w4	0	(omitted)				
w1edubr						
2	-.6924208	.4835477	-1.43	0.152	-1.640166	.2553247
3	-1.293497	.5045697	-2.56	0.010	-2.282472	-.3045224
w1edubr#c.timew1w3w4						
2	.0349094	.0740509	0.47	0.637	-.1102765	.1800954
3	.0191606	.0764429	0.25	0.802	-.1306812	.1690023
timew1w3w4	0	(omitted)				
invmillscES	-.0027046	.0090621	-0.30	0.765	-.020466	.0150569
c.timew1w3w4#c.invmillscES	-.0011192	.001229	-0.91	0.362	-.0035279	.0012896
timew1w3w4	0	(omitted)				
1.w1smoke	.6788547	.253899	2.67	0.008	.1785812	1.179128
w1smoke#c.timew1w3w4						
1	.0040445	.0369595	0.11	0.913	-.0684488	.0765378
timew1w3w4	0	(omitted)				
1.w1currdrugs	.6213705	.3130055	1.99	0.049	.0016003	1.241141
w1currdrugs#c.timew1w3w4						
1	-.0115111	.0514235	-0.22	0.824	-.1155045	.0924822
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	-.0263534	.0105075	-2.51	0.014	-.0472409	-.005466
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0008624	.0015327	-0.56	0.574	-.0038781	.0021533

	timew1w3w4	0 (omitted)				
	w1BMICent30	.0168501	.0152485	1.11	0.269	-.0130391 .0467393
	c.timew1w3w4#c.w1BMICent30	.0008433	.0022627	0.37	0.709	-.003592 .0052787
	timew1w3w4	0 (omitted)				
	Lnw1HCyscenter2p15	.8589448	.4651149	1.85	0.065	-.0526796 1.770569
	c.timew1w3w4#c.Lnw1HCyscenter2p15	.0118256	.0680565	0.17	0.862	-.1215654 .1452167
	2.w1ANXIETYbr	3.643544	.2228128	16.35	0.000	3.206826 4.080263
	w1ANXIETYbr#c.timew1w3w4					
	2	-.1565257	.0326499	-4.79	0.000	-.2205191 -.0925323
	w1ANXIETYbr#c.Lnw1HCyscenter2p15					
	2	-.1948606	.6474057	-0.30	0.763	-1.463758 1.074036
	w1ANXIETYbr#c.timew1w3w4#c.Lnw1HCyscenter2p15					
	2	-.049582	.0958846	-0.52	0.605	-.2375149 .1383509
	_cons	5.139805	.5227166	9.83	0.000	4.115264 6.164346

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]	
HNDID: Unstructured				
sd(timew1w3w4)	.0816019	.0898365	.0094299	.7061428
sd(_cons)	2.272631	.1365947	2.020073	2.556764
corr(timew1w3w4,_cons)	.1056413	.5425613	-.7484478	.827921
sd(Residual)	3.049327	.0643192	2.925808	3.178061

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426 . mi estimate: mixed CES_WB c.timew1w3w4##c.w1Agecent48 c.timew1w3w4##Sex c.timew1w3w4##Race c.timew1w3w4##PovSta
> c.timew1w3w4##w1smoke c.timew1w3w4##w1curdrugs c.timew1w3w4##c.w1hei2010_total_scorecent43 ///
> c.timew1w3w4##c.w1BMICent30 ///
> c.timew1w3w4##c.Lnw1HCyscenter2p15##w1ANXIETYbr ///
> if sample4obs==1 || HNDID: timew1w3w4, cov(un)

Multiple-imputation estimates	Imputations	=	5
Mixed-effects ML regression	Number of obs	=	3,263
Group variable: HNDID	Number of groups	=	1,181
	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(29,22137.4)	=	10.99
	Prob > F	=	0.0000

CES_WB	Coefficient	Std. err.	t	P>|t|	[95% conf. interval]	
timew1w3w4	-.0676454	.0539532	-1.25	0.210	-.1733952	.0381045
w1Agecent48	.0060449	.0076645	0.79	0.430	-.008978	.0210677
c.timew1w3w4#c.w1Agecent48	-.0011649	.001223	-0.95	0.341	-.0035618	.0012321
timew1w3w4	0	(omitted)				
Sex						
Men	.1363577	.1436316	0.95	0.342	-.1451702	.4178855
Sex#c.timew1w3w4						
Men	.0173831	.0225937	0.77	0.442	-.0268999	.0616661
timew1w3w4	0	(omitted)				
Race						
AfrAm	.5146277	.1370979	3.75	0.000	.2459125	.7833429
Race#c.timew1w3w4						
AfrAm	-.0666539	.0219256	-3.04	0.002	-.1096275	-.0236803
timew1w3w4	0	(omitted)				
PovStat						
Below	-.2608081	.1452376	-1.80	0.073	-.5454739	.0238578
PovStat#c.timew1w3w4						
Below	-.026704	.0227932	-1.17	0.241	-.071378	.0179699
timew1w3w4	0	(omitted)				
w1edubr						
2	.1939668	.3031799	0.64	0.522	-.4002693	.7882028
3	.301621	.314868	0.96	0.338	-.3155135	.9187556
w1edubr#c.timew1w3w4						
2	.007496	.0496218	0.15	0.880	-.0897622	.1047543
3	.0623312	.05178	1.20	0.229	-.0391616	.1638241
timew1w3w4	0	(omitted)				
invmillscES	-.0056422	.0056734	-0.99	0.320	-.0167618	.0054775
c.timew1w3w4#c.invmillscES	.0012054	.0008297	1.45	0.146	-.0004207	.0028315
timew1w3w4	0	(omitted)				
1.w1smoke	-.1196508	.1561461	-0.77	0.444	-.426563	.1872615
w1smoke#c.timew1w3w4						
1	-.0070131	.0258784	-0.27	0.787	-.0579282	.043902
timew1w3w4	0	(omitted)				
1.w1currdrugs	-.24704	.2112988	-1.17	0.248	-.6723303	.1782504
w1currdrugs#c.timew1w3w4						
1	.0254996	.0353908	0.72	0.476	-.0464035	.0974026
timew1w3w4	0	(omitted)				
w1hei2010_total_scorecent43	.0132075	.0067718	1.95	0.056	-.0003237	.0267387
c.timew1w3w4#c.w1hei2010_total_scorecent43	-.0005499	.0010577	-0.52	0.604	-.0026368	.0015369

timew1w3w4	0 (omitted)					
w1BMICent30	-.006739	.0095492	-0.71	0.480	-.0254575	.0119795
c.timew1w3w4#c.w1BMICent30	.0007862	.0015222	0.52	0.606	-.0021973	.0037696
timew1w3w4	0 (omitted)					
Lnw1HCyscenter2p15	-.2966205	.2900213	-1.02	0.306	-.8650536	.2718125
c.timew1w3w4#c.Lnw1HCyscenter2p15	.0391494	.0460007	0.85	0.395	-.0510104	.1293092
2.w1ANXIETYbr	-1.64828	.1389651	-11.86	0.000	-1.92065	-1.375911
w1ANXIETYbr#c.timew1w3w4						
2	.0439598	.0221163	1.99	0.047	.0006126	.087307
w1ANXIETYbr#c.Lnw1HCyscenter2p15						
2	-.3480219	.4041421	-0.86	0.389	-1.140126	.4440826
w1ANXIETYbr#c.timew1w3w4#c.Lnw1HCyscenter2p15						
2	-.0217281	.0649103	-0.33	0.738	-.14895	.1054938
_cons	10.21136	.3266962	31.26	0.000	9.571037	10.85169

Random-effects parameters	Estimate	Std. err.	[95% conf. interval]		
HNDID: Unstructured					
sd(timew1w3w4)	.070676	.	.	.	.
sd(_cons)	1.257272	.	.	.	.
corr(timew1w3w4,_cons)	.9999999	.	.	.	.
sd(Residual)	2.034229	.	.	.	.

```

427 .
428 .
429 .
430 .
431 . save, replace
    file finaldata_imputed_FINAL.dta saved

432 .
433 .
434 . capture log close

```